VOLUME II

TWENTY-FOURTH BIENNIAL REPORT

DEPARTMENT OF ROADS & IRRIGATION

TO THE

GOVERNOR OF NEBRASKA

1941 - 1942

TWENTY-FOURTH BIENNIAL REPORT

OF THE

DEPARTMENT OF ROADS AND IRRIGATION

VOLUME II

BUREAU OF IRRIGATION WATER POWER AND DRAINAGE

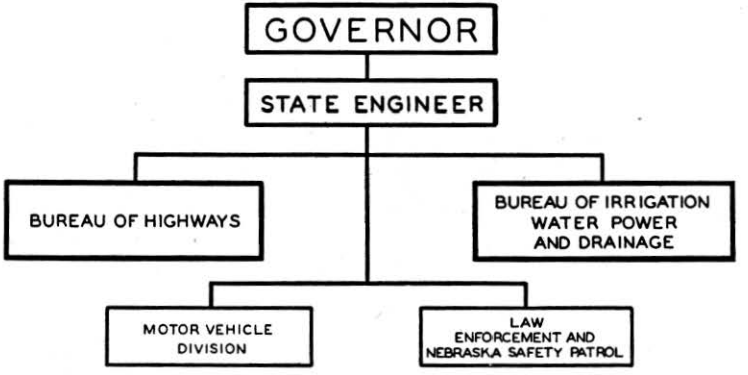
TO

HONORABLE DWIGHT GRISWOLD

GOVERNOR OF THE STATE OF NEBRASKA

LINCOLN, NEBRASKA

1941-1942



ORGANIZATION
OF THE
DEPARTMENT OF ROADS AND IRRIGATION
STATE OF NEBRASKA
1942

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of the

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John J. Rasmussen, Superintendent Division No. 2-D	Crawford

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Guy Roberts	Lewellen
Albert McDermott, 1941 Irrigation Season	North Platte
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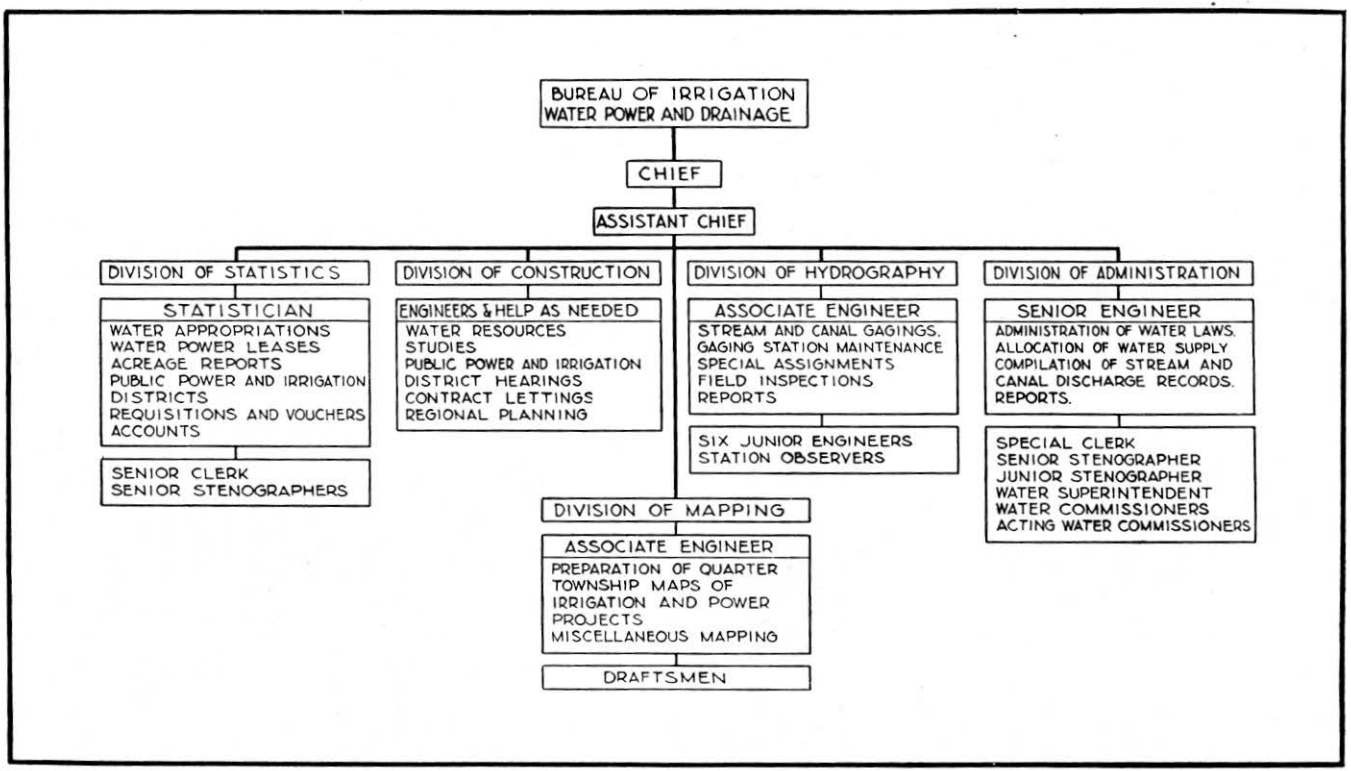
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SPECIAL ASSIGNMENTS
FIELD INSPECTIONS
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SIX JUNIOR ENGINEERS
STATION OBSERVERS
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ALLOCATION OF WATER SUPPLY
COMPILATION OF STREAM AND CANAL DISCHARGE RECORDS.
REPORTS.
SPECIAL CLERK
SENIOR STENOGRAPHER
JUNIOR STENOGRAPHER
WATER SUPERINTENDENT
WATER COMMISSIONERS
ACTING WATER COMMISSIONERS
DIVISION OF MAPPING
ASSOCIATE ENGINEER
PREPARATION OF QUARTER TOWNSHIP MAPS OF IRRIGATION AND POWER PROJECTS
MISCELLANEOUS MAPPING
DRAFTSMEN

ADMINISTRATION

This Bureau is charged with the administration of the State laws governing the use of water for irrigation, water power and drainage. This involves the determination of priorities of right to use of the public waters of the State and the maintenance of records relative to water appropriations, the allocation of the available water supply, the measurement of the quantity of water flowing in the streams and canals of the State and the making of records thereof.

This portion of the report deals with the activities of the Bureau and the water supply of the State for the biennium ending September 30, 1942.

WATER SUPPLY

The water supply of the Platte River basin for 1942 was satisfactory, but for the 1941 year it was inadequate. The following comments on the water supply of the Platte River basin gives a better understanding by making comparisons with the 17-year—1925-1941—mean.

The combined run-off above the Seminoe, Pathfinder, and Alcova Reservoirs for the 1941 water year was approximately 868,000 acre-feet, or 77 per cent of the 17-year mean; and approximately 1,102,000 acre-feet for the 1942 water year, or 98 per cent of the mean. The studies of the run-off above these reservoirs were based on the United States Reclamation Service records.

The annual flow through the Alcova Dam ending September 30, 1941, was approximately 732,000 acre-feet, or 66 per cent of the 17-year mean; and for the year ending September 30, 1942, was approximately 798,000 acre-feet, or 82 per cent of the 17-year mean. The quantity of water passed through the Guernsey Dam during the water year ending September 30, 1941, was 1,008,000 acre-feet, and in 1942 was 1,176,000 acre-feet, or 76 and 89 per cent respectively of the 17-year mean.

The quantity passing the Wyoming-Nebraska gaging station in the North Platte River plus the Mitchell Canal diversion for 1941 was 498,960 acre-feet, and for 1942 it was 707,100 acre-feet. Of the above amount 57,300 acre-feet were storage water for 1941, and 100,200 acre-feet were impounded for 1942. The flow of water passing Mitchell, Nebraska, during the 1941 water year was 40 per cent of the 17-year mean, and 80 per cent for 1942.

The flow of the river at Overton during the 1941 water year was 11 per cent of the 17-year mean, and 80 per cent for 1942. The mean

annual quantity of water in the Platte River passing Overton for the period from 1931 to 1941 was 55 per cent of the 17-year mean. The annual flow for the water year of 1941 is the lowest of record, approximately 11 per cent of the 17-year mean. For the seventeen years prior to 1931 the mean annual flow was 169 per cent of the 1925-1941 mean. In other words, there was three times more water passing Overton annually prior to 1931 than has been flowing since.

The South Platte River discharge at North Platte, Nebraska, for the 1941 water year was 106,000 acre-feet and for 1942 it was 1,092,000 acre-feet, 33 per cent and 345 per cent of the 25-year—1918-1942—mean respectively. The 1942 flow of the South Platte is the greatest of record. The lowest of record was 56,300 acre-feet in the water year of 1936.

The average flow of the river from Guernsey, Wyoming, to Overton, Nebraska, during the 1941 water year was approximately 45 per cent of the 17-year mean, and 85 per cent for the 1942 water year.

The following tabulation shows, in per cent of mean, the flow of several streams for 1942 as compared with 1940:

Stream and Location	1940 Per Cent of Mean	1942 Per Cent of Mean
White River near Crawford	78	136
Elkhorn River at Waterloo	96	113
Big Blue River at Barnston	60	202
Little Blue River near Endicott	42	144
Republican River at Bloomington	64	145
Platte River near Ashland	58	112

The mean flow of the Republican River below the junction with the Frenchman River is based on a 17-year record of the Republican and Frenchman Rivers at Culbertson. The combined flow of the two rivers at the junction for the water year ending September 30, 1941, was approximately 128 per cent of the 17-year—1925-1941—mean, and 125 per cent for the 1942 water year. About 15 per cent of the mean annual flow is available for irrigation below the confluence of the two rivers during July, August and September, however, the Meeker Canal is the only active project east of Culbertson diverting from the Republican River having fair diversion records. It is obvious from the studies made of the water supply in the Republican River basin that there is a large quantity of water flowing to the Gulf of Mexico, unused. Plans are now underway to make beneficial use of this water.

The combined discharge of the Middle Loup and North Loup Rivers at St. Paul for the 1941 water year was 76 per cent of the 29-year mean ending with 1936, and 85 per cent for the 1942 water

year. The flow of the Loup River above the Columbus Power Diversion Works was 75 per cent of the 29-year mean for the 1941 water year, and 87 per cent for the 1942 water year. The records of the water flow immediately above the Columbus Diversion Works show that it is approximately 26 per cent greater than the combined flow of the North Loup and the Middle Loup Rivers at St. Paul.

The flow of the Niobrara at Dunlap for the 1941 water year was 75 per cent of the 18-year mean ending with 1941, and 131 per cent for the 1942 water year. The mean annual flow at Dunlap is approximately 34,000 acre-feet and at Spencer it is approximately 879,000 acre-feet. The quantity of flow at Spencer was 91 per cent of mean for the 1941 water year, and 129 per cent of mean for the 1942 water year.

There is very little variation in the annual flow of Lodegpole Creek. For the 1941 water year the flow at Bushnell, Nebraska, was 89 per cent of mean, and for 1942 it was 90 per cent of mean. The normal water supply is over-appropriated.

The water supply of Pumpkinseed Creek is very dependable, although the annual quantities vary slightly. The normal flow of this stream is slightly over-appropriated. The quantity of water reaching the North Platte River is practically all re-used water during the growing season. The annual flow for the 1941 water year was 81 per cent of mean, and 113 per cent for 1942.

PRECIPITATION

The United States Weather Bureau with the Forest Service cooperating, reported that the snowfall in the high elevations of the North Platte basin from October 1, 1940, to April 1, 1941, was 80 per cent of normal, and that from October 1, 1941, to April 1, 1942, it was 106 per cent of normal.

A study of all available records of precipitation and stream flow will show a close relation between precipitation and the quantity of water in the streams and canals used for irrigation and power. It will reveal that the increased or decreased precipitation is reflected in the stream flow. Also the relation between precipitation and diversions of water to supplement the precipitation for crop requirements is clearly discernible. The less the precipitation the greater the demand for diversions of water from the stream to supplement the rainfall. However, when there are successive years of scanty precipitation the natural flow of the stream is diminished to such an extent that there is not sufficient stream flow to supplement the rainfall for the production of crops. Under such circumstances there should be ample reserve storage to build up the stream flow.

The approximate average precipitation west of the 102nd Meridian in Nebraska during the 1941 water year was 1.8 feet in depth. For

the 1942 water year it was 1.83 feet in depth. Based on a recent 10-year mean, only about 55 per cent of the annual precipitation in this area is effective, in other words, of the 1.8 foot depth of annual precipitation, about one foot depth on the crop is a beneficial contribution to growing vegetation. Enough more water must be diverted from streams and conveyed to the crop for complete maturity.

It appears from a casual study that the effectiveness of the precipitation covering the eastern half of the State is about 75 to 80 per cent of the annual, and normally there is sufficient rainfall to mature crops without irrigation east of the 98th Meridian.

RESERVOIRS

The combined quantities of water currently intercepted for storage in the Seminoe, Pathfinder, and Alcova Reservoirs for the biennium ending September 30, 1942, totaled approximately 1,467,000 acre-feet.

The quantity of water currently intercepted for storage in the Kingsley Reservoir during the 1941 water year was approximately 171,200 acre-feet and about 830,300 acre-feet were intercepted for storage during the 1942 water year. The quantity withdrawn for irrigation and power during the 1941 water year was approximately 138,500 acre-feet and for 1942 about 220,880 acre-feet. The water intercepted for storage in the Kingsley Reservoir during the biennium was a portion of the water allotted by the Department under Applications 2350 and 2361.

The Sutherland, Regulator, and Forebay Reservoirs were apparently operated as regulators. The approximate quantity intercepted for storage in this system during the 1941 water year was 123,000 acre-feet, and 106,000 acre-feet were withdrawn. For the 1942 water year the quantity intercepted for storage was 95,000 acre-feet, and 88,000 acre-feet were withdrawn. The daily storage tabulations show fluctuations occurring as often as a few days apart to three or four weeks apart. It is quite a complicated procedure to follow the operation of this system of regulating reservoirs. Without close study the water impounded appears to be mostly re-storage from the Kingsley Reservoir, and not natural flow from the river direct to the reservoirs for storage.

The Oliver Reservoir is an on-channel reservoir astride Lodgepole Creek about eight miles west of Kimball, Nebraska. There were about 5,300 acre-feet of water currently intercepted for storage during the 1941 water year, and about 4,400 acre-feet during the 1942 water year.

The Whitney Reservoir is an off-channel reservoir which receives water from the White River through a wooden-stave pipeline about 6 miles in length. This reservoir currently intercepted about 7,100

acre-feet of water for storage during the 1941 water year, and 7,000 acre-feet during the 1942 water year.

ADMINISTRATIVE PROBLEMS

The administration of the distribution of waters flowing in the streams of the State during the 1941-1942 biennium was accomplished with less difficulties than in any previous biennium since 1931. The precipitation covering the entire State was slightly above normal in 1941 and from 30 to 40 per cent above normal in 1942 and this is reflected in the small number of closing orders. There were 28 formal closing orders issued in the Platte River Basin in 1941 and ten in 1942. The precipitation for the two years of this biennium is the paramount cause for reducing the difficulties pertinent to administration. The 1941 precipitation in the Platte River Basin from the Wyoming Line to Kearney, Nebraska, was 109 per cent of normal and 132 per cent for 1942. At Fort Robinson, Nebraska, the precipitation for 1941 was 118 per cent of normal and 163 per cent for 1942. At Culbertson, Nebraska, the 1941 precipitation was 135 per cent of normal and 128 per cent for 1942. The more precipitation the greater the stream flow, hence the administration is less arduous.

Administration has never been of any consequence in the basins of the Little Blue, Big Blue, Salt Creek, and the Nemahas, as the precipitation is usually ample. The Department of Geography of the Nebraska University reported that the precipitation in the area covering these basins receives twenty-five inches or more annually, fifty per cent of the time.

Recent decisions of the Nebraska Supreme Court brought about much clarification of the State laws governing the administrative activities of the Department. The exchange of daily reports of the Nebraska Bureau of Irrigation with the Wyoming State Engineer and the United States Bureau of Reclamation forms the basis for the distribution of water of the Platte River Basin in the order of priority from the Wyoming Line to Kearney, Nebraska.

The Nebraska Supreme Court decision in the suit entitled State ex rel Cary vs. Cochran, directed the Department to deliver water to senior canals by closing junior canals in the order of priority, providing, however, that a usable quantity will reach the headgate of the senior canal—a practice that has been followed by the Bureau for many years. The Department was further directed not to close junior canals until the water entering the headgate of the senior canal has diminished below the legal quantity it is entitled to divert.

The decisions of the Nebraska Supreme Court in the Loup River Public Power District vs. The North Loup River Public Power and Irrigation District, and the Middle Loup Public Irrigation District, directed the Department to limit the diversion to one acre-foot per

acre to each acre of land to which water is usefully applied, measured at the headgate on the bank of the stream. These decisions are published in full elsewhere in this volume.

In the case of the United States vs. Tilley, the United States Circuit Court of Appeals held that the drainage originating above the Tri-State Canal is government-owned water to be delivered to the Northport Irrigation District using the Tri-State Canal as a carrier. There is no additional water for either the area under the Tri-State Canal or under the Northport Canal. This government-owned drain water is in effect private water and the Northport District is the beneficiary instead of the lands under the Tri-State Canal. The Farmers' Irrigation District operates the Tri-State Canal and is a Warren Act contractor. By reason of this contract the Farmers' Irrigation District will receive storage water from the government reservoirs in lieu of the drainage water to offset the deficiency created by transferring government-owned drain water to Northport Irrigation District. Seemingly this decision does not produce any more water but does involve more bookkeeping. Both projects will be served with an equivalent supply of water as in the past.

The Nebraska Supreme Court held that the orders issued by the Bureau of Irrigation to the operators of irrigation projects to close are not enough but the Bureau official must physically close and lock or seal the headgates. This practice of locking or sealing headgates was followed in the "nineties" and was not successful. The State officials would find the locks or seals torn off and thrown away, and it was never possible to determine the offender. Today there are large canals having modern structures for regulating the diversions of water. These structures have heavy steel gates operated by motor or hand-geared lifting devices, and State officials would hesitate to operate them for fear of harm to the operating equipment or to themselves. The statutes provide that the officers or owners are held responsible for carrying out the orders of the Bureau of Irrigation, and they can be found when wanted.

The problem of administration is complicated by storage water mingling with natural flow in the Platte River Basin. The office engineers in the Bridgeport office are required to segregate the natural flow from the storage water flowing in the river from the Seminoe Reservoir in Wyoming to Kearney, Nebraska, compute losses, analyze and compile data pertinent to the daily disposal of the water supply.

For the 1941 water year there were 1,444,000 acre-feet diverted for irrigation only, between Guernsey, Wyoming, and Odessa, Nebraska, during the May-September period, and 1,443,000 acre-feet during a similar period in 1942, which was 52 and 51 per cent more, respectively, than in 1940.

HYDROGRAPHY

Hydrography is a scientific procedure for the determination of the quantity of water flowing in natural streams and artificial channels. The stream-flow data are the basis for necessary information needed by the Bureau of Irrigation in its studies of water supply, administration of its distribution and disposal.

The demand for water is greatest in the North, South, and Platte Basins, hence the greater need for the services of hydrographers. Other basins of the State have less demands, and receive services of hydrographers approximately in proportion to the needs of the water users. Hydraulic engineers engaged in making measurements of flowing water throughout the State are assigned to basins where their services are most urgently needed. The degree of urgency depends upon the demand for water which will be applied to some useful purpose.

The Bureau of Irrigation maintained under its supervision during the past biennium, five hydrographers assigned to the following basins:—One operating in the Hat Creek, White River, Niobrara River, Pumpkinseed and Lodgepole Creek Basins; one operating in the Loup River Basin; and three operating in the South Platte, North Platte, and Platte River Basin as far east as Kearney.

Under the co-operative agreement entered into on July 1, 1941, between the Nebraska Bureau of Irrigation, Water Power and Drainage, and the United States Geological Survey, a district Survey office has been maintained in Lincoln during this biennium. This agreement provides for an annual expenditure of approximately $20,000 of Federal funds, to be matched on a 50-50 basis with State funds. Previously, Federal co-operation in Nebraska had been through the Denver District Office, with an annual expenditure of about $11,500 of Federal funds.

In addition to the District Engineer, the Survey has maintained a personnel of from two to five federal engineers for work in the State. One junior engineer and one senior clerk, employed by the State, have been assigned to work under the direction of the District Engineer. The Geological Survey has done the hydrographic work in the following basins: Republican, Little Blue, Elkhorn, Loup and Platte River from Grand Island east to Ashland. In addition, the Survey has assisted in the computation of the discharge records for all of the co-operative stations in the State.

The Nebraska hydrographers make measurements of canal diversions as well as stream flow, while the United States Geological Survey makes only stream measurements.

As of September 30, 1942, there are 61 automatic recorders in operation at stream-gaging stations. Of this number 37 were installed and are maintained by the United States Geological Survey; 13 by

Nebraska; 3 by Colorado; 7 by the United States Reclamation Service; and one by the United States Weather Bureau. In addition to the stations having recorders, there are 17 stations equipped with staff or chain gages.

The demand for hydrographic data in the Republican River Basin has increased considerably during the last few years. Flood-control studies and potential possibilities for irrigation development are responsible for the demand. Administration in that basin is not an important problem as yet. The data received by the Department has been too fragmentary to use as a basis for compiling the quantity of water available or diverted during the past few years ending September 30, 1942. The Frenchman Valley Irrigation District is the operator of the only project in the basin having a recorder. About seven other canals receive water but the diversion records were indifferent and have no practical value.

Hydrography in the basins of the Big and Little Blue, the Elkhorn, and that part of the Niobrara River east of Dunlap is carried on mainly for the purpose of building up a long-time record of the quantity of water available in those basins. Administrative problems in these basins are practically non-existent up to the present time. There are about 1,000 acres in the vicinity of Dunlap under irrigation on the Niobrara River, which requires the administrative services of the Department. Hydrography is also necessary in the White River Basin, but diversion records are lacking because of scanty co-operation.

The services of a hydrographer in the Loup River Basin is growing in importance. Within the last few years new projects have been constructed and are now operating. With the Loup River Public Power District together with the Middle Loup and North Loup Irrigation Districts operating, the normal water supply of this basin is overappropriated during the growing season.

WATER COMMISSIONERS

The services of four acting water commissioners were required in the Platte River Basin from the Wyoming-Nebraska line to Kearney, from May 1 to September 30 of each year of the biennium.

During the season of 1942, many of the tires on cars driven by water commissioners were becoming so worn that, in order to avoid accidents, it was necessary to drive at speeds below the 35-mile-per-hour limit that had been established. As a result, the water commissioners' hours were increased from 12 to 14 or 15 hours per day.

The importance of having more dependable reports than have been obtained from the water commissioners should not be ignored. We find when compiling discharge records that reports of the commissioners are often unreliable.

The services of our water commissioner on Lodgepole Creek in Kimball County have been quite satisfactory. The water commissioner

in the Republican and Frenchman Basin supervised the distribution of water to the satisfaction of the water users. The superintendent in Water Division No. 2 has handled some rather difficult administrative problems in the Hat Creek and Niobrara River Basins. In this area, stock water is an important factor, and the water supply is very limited while the demands are great. Therefore the services of an administrator for those basins are more necessary than for any other part of the State, with the exception of the Platte River Basin.

The demands for the waters of the Loup River Basin may soon necessitate the services of a full time water commissioner during the growing season. The situation in that basin is rather delicate due to the power demands for more than the normal flow of the Loup River. Irrigation use is classed as superior to power use, but priority controls the allocation of water.

USE OF WATER BY PUBLIC POWER AND IRRIGATION DISTRICTS

The quantity of water diverted from the Loup River by the Loup River Public Power District during the water year of 1941 was 1,104,000 acre-feet, and for 1942 it was 1,133,000 acre-feet. The quantity diverted during the 1941 water year was 69 per cent of the entire flow of the river, and in 1942 it was 61 per cent of the river flow. The flow of the Loup River at Columbus was 75 per cent of the 29-year mean for the 1941 water year and 87 per cent of the 29-year mean for 1942.

The Tri-County project diverted from the Platte River at Maxwell during the 1941 water year, 550,000 acre-feet of natural flow and storage. Of this quantity 22,000 acre-feet were delivered at the farm, and 168,000 acre-feet were spilled back to the river after passing the power wheels. During the 1942 water year, 815,000 acre-feet of natural flow and storage were diverted at the Maxwell headgate. Of this quantity 42,000 acre-feet were delivered at the farm, and 283,000 acre-feet were spilled back to the river after being used for power.

The Sutherland project diverted from the North Platte River during the 1941 water year, 539,000 acre-feet of natural flow and storage water at the Keystone diversion dam, and spilled back to the river 333,000 acre-feet after passing through the power wheels at North Platte. Of this spill there were 21,800 acre-feet of storage water delivered through the headgates of eight canals for irrigation. For the 1942 water year 370,000 acre-feet of natural flow and storage water were diverted into the Sutherland Supply Canal, and 209,000 acre-feet were spilled back to the river after passing through the power wheels. Of this spill there were 10,500 acre-feet of storage water delivered through the headgates of six canals for irrigation.

The Middle Loup Public Power and Irrigation District operates four headgates for the control of water diverted from the Middle

Loup River. There were 43,400 acre-feet diverted through the four headgates for irrigation of approximately 24,700 acres during the 1941 water year, and 7,500 acre-feet were spilled back to the river through the four tailraces. For the 1942 water year there were 25,500 acre-feet diverted for use on 24,700 acres, and 4,300 acre-feet were spilled back to the river through the four tailraces. This district maintains one automatic recorder on each of the four diversions and one on each tailrace.

The North Loup River Public Power and Irrigation District operates three diversion works, and maintains one automatic recorder near the headgate of each canal and one recorder on each tailrace. The operators of this project diverted 66,500 acre-feet during the 1941 water year for use on 24,200 acres of land, and spilled back to the river 5,000 acre-feet through the three tailraces. During the 1942 water year there were 42,000 acre-feet diverted for use on 25,300 acres, and approximately 1,650 acre-feet were spilled back to the river through the three tailraces.

LITIGATION

Nebraska vs. Wyoming. During the biennium ending September 30, 1942 there were four hearings in this litigation, namely: October 7 to October 23, 1940 in Denver; again in Denver from April 15 to April 29, 1941; in Lincoln from July 8 to July 25, 1941; and a final session for taking testimony was held in Denver November 24 to December 19, 1941, at which session all parties offered rebuttal testimony. Thereafter, the filing of briefs before the master was proceeding at the end of this biennium. It is possible that the final decision of the United States Supreme Court will not be available before another year.

United States of America vs. Tilley, et al. This case was argued and submitted before the United States Circuit Court of Appeals, Eighth Circuit, at St. Louis, Missouri, in December of 1940. It had been appealed by the United States of America from the decision of the United States District Court. The principal issues before the court were two, first, whether under the Warren Act Contract between the United States of America and the Farmers' Irrigation District, the Farmers' Irrigation District was limited in its diversions of water from all sources, by the schedule in its Warren Act Contract, and second, whether the water flowing in the drainage ditches on the north side of the North Platte River in Scotts Bluff and Morrill Counties and intercepted into the Tri-State Canal was under the control of the Nebraska State Irrigation authorities so that it could be furnished to the farmers under the Tri-State Canal on the optional diversion principal, or whether it was under the control of the United States so that the drainage could be furnished to the

farmers under the Northport Canal (a government-constructed unit) as a part of the obligation of the United States to furnish water for the Northport Irrigation District under its contracts. The case was decided on December 23, 1941.

The decision of the court was in favor of the Farmers' Irrigation District on the first issue. The court held that the Warren Act Contract did not constitute any limitation upon the natural flow rights of the Farmers' Irrigation District, but that within the amount and priority date of its appropriation, the Farmers' Irrigation District was entitled to such natural flow as was available to it, provided the district had beneficial use for it.

On the second issue, the court decided against the State Irrigation authorities, holding that since the water thus intercepted from the drains by the Farmers' Irrigation District Canal (Tri-State) came originally from the Interstate Canal (a government constructed unit) and from lands watered with waters carried in the Interstate Canal, the United States had control thereof and was entitled to direct it, at its option, that any part or all of such water should go to the Northport Irrigation District.

Rehearing was applied for but denied January 28, 1942, and the application made to the United States Supreme Court for certiorari was denied May 25, 1942.

CANCELLATION OF INACTIVE WATER APPROPRIATIONS

Hearings on 114 inactive water appropriations in the Republican Valley were held during December 1941 and February 1942. These hearings, which largely covered appropriations that have not been used for from 15 to 45 years, were held at the request of the United States Bureau of Reclamation which is planning a program of basin wide development. At the time of this report no orders of cancellation have been issued, but it is probable that final action will be taken in the first part of 1943.

TOWNSHIP MAPS

Maps have been made available to the Department during the first quarter of this biennium covering a portion of the irrigated sections of the State. These maps were prepared mainly from aerial surveys and drawn to a scale of 1,500 feet to the inch.

The Platte River valley from Range 13 West to the Wyoming-Nebraska and Colorado-Nebraska line, and also the Republican valley is partly covered. These maps have been of much help to the Bureau, and they are dependable as a guide in the field when investigations are made of irrigation and power projects.

The preparation of these maps was carried on under a Works Progress Administration project instituted by the Nebraska State

Planning Board. Upon the expiration of the Planning Board on June 30, 1941, the Bureau sponsored the project, employing an associate engineer to supervise the work. The project was discontinued on March 31, 1942, along with all WPA projects not considered vital to the war effort, leaving the maps of several areas in various stages of completion. All of the assembled data are being preserved so that the work may proceed when personnel becomes available after the war.

STATISTICAL SUMMARY

The following is a summary of statistics for the biennium ending September 30, 1942:

Applications for water appropriations	308
Permits issued	268
Appropriations canceled	78
Applications dismissed	21
Total applications pending	149
Certificates of perfected appropriations issued by request	89
Hearings held	146
Relocation permits	12
Optional diversion permits	4
Water power lease	0
Deeds recorded	163
Districts organized under Chapter 86, Laws 1933, Amended 1937, 1939 and 1941. (Senate File 310)	1
Field investigations	291
Maps and plans filed	325
Stream gagings made by Nebraska	6,889*
Canal gagings made by Nebraska	4,674*
Stream gagings made by United States Geological Survey	1,664*
Canal gagings made by United States Geological Survey	205*
Gaging stations with automatic recorders	61
Gaging stations with observers	17
Fees collected covering:	
Applications, plans, water power fees, deeds, petitions and copying records	$27,829.51

* Measurements of streams and canals by David B. Ender are excluded from the Nebraska measurements and included in measurements by the United States Geological Survey.

MISCELLANEOUS ACTIVITIES

GROUND-WATER STUDY

Since June 1, 1942, this Bureau has carried on ground-water studies in co-operation with the Conservation and Survey Division of the University of Nebraska and the Ground-water Division of the United States Geological Survey. The small drill rig owned by the University was manned and operated by the Bureau of Irrigation, and test drilling was done in the Lodgepole Valley in Cheyenne, Deuel and Kimball Counties and in the Republican Valley in Red Willow, Hitchcock, Dundy, Chase and Hayes Counties. In addition to this test drilling, six deep wells, for use in observing ground-water levels, were drilled and cased in the Platte Valley near North Platte.

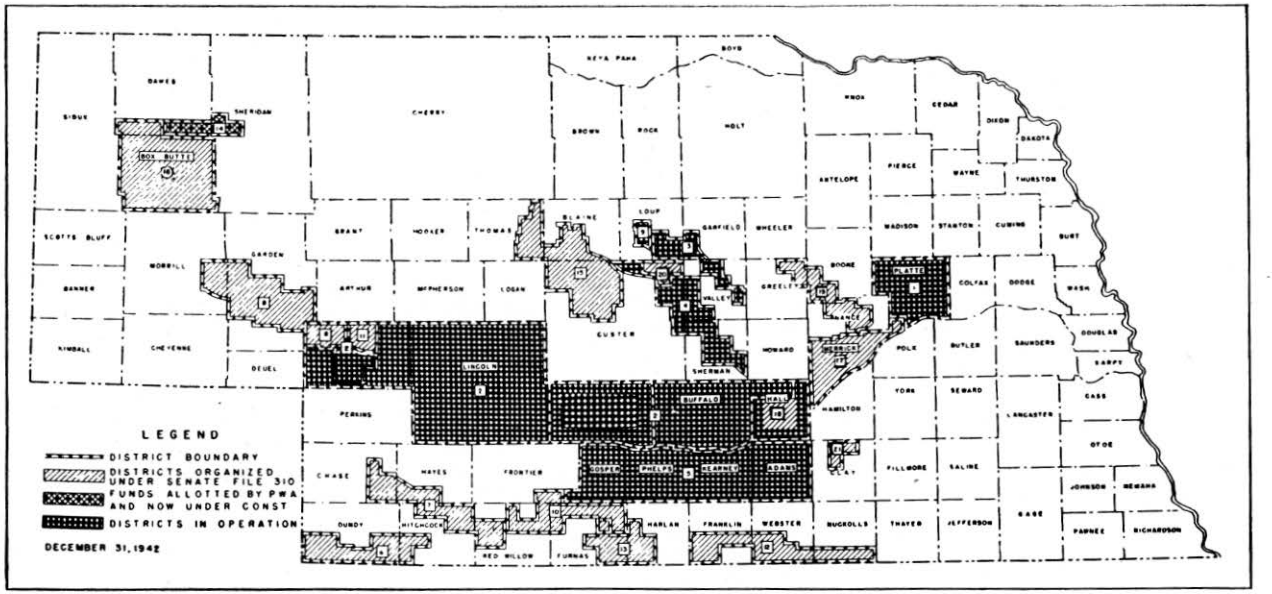
The drilling program was designed to extend test drilling into areas where pump irrigation appears feasible and to supplement the information concerning the availability of ground-water which is already of record.

During this year's operations, some 255 test holes were drilled, besides the drilling of three dam sites in the Republican Basin at the request of the United States Bureau of Reclamation. Samples were taken of all materials and they are being studied in the University Laboratory. A complete report of the studies cannot be made at this time, as field engineers are still engaged in gathering data.

PUBLIC POWER AND IRRIGATION DISTRICTS

Chapter 86 of the 1933 laws, as amended, provides that the Department of Roads and Irrigation shall investigate proposed public power and irrigation districts, and if such proposed districts are deemed feasible and conforming to public convenience and welfare, shall approve their petitions for organization. The law also provides that this Department may authorize amendments to such petitions, shall supervise the letting of contracts by the districts for labor and materials if the estimated cost exceeds $500.00, and shall have authority to approve the dissolution of a district.

Since April 1, 1941, the Bureau of Irrigation, Water Power and Drainage has been responsible for all of the duties enumerated above. The period covered by this report is from December 1, 1940 to September 30, 1942, the first date being the end of the period covered in the last biennial report and the latter being the end of the current seasonal biennium. During this period, departmental approval has been given to the organization of one public power and irrigation district, the amendment of the creative petitions of 15 and the dis-



NEBRASKA PUBLIC POWER AND IRRIGATION DISTRICTS

1. LOUP RIVER PUB. POW. DIST.
2. PLATTE VALLEY PUB. POW. & IRR. DIST.
3. NORTH LOUP PUB. POW. & IRR. DIST.
4. MIDDLE LOUP PUB. POW. & IRR. DIST.
5. THE CENTRAL NEBR. PUB. POW. & IRR. DIST.
6. BENKELMAN-HAIGLER-ARIKAREE PUB. POW. & IRR. DIST.
7. IMPERIAL VALLEY PUB. POW. & IRR. DIST.
8. BLUE CREEK PUB. POW. & IRR. DIST.
9. ALMERIA PUB. POW. & IRR. DIST.
10. UNITED PUB. POW. & IRR. DIST.
11. WHITE TAIL PUB. POW. & IRR. DIST.
12. REPUBLICAN RIVER PUB. POW. & IRR. DIST.
13. BEAVER-SAPPA PUB. POW. & IRR. DIST.
14. MIRAGE FLATS PUB. POW. & IRR. DIST.
15. DISMAL RIVER PUB. IRR. DIST.
16. PANHANDLE PUB. PUMP IRR. DIST.
17. MERRICK COUNTY PUB. PUMP IRR. DIST.
18. HALL COUNTY PUB. PUMP IRR. DIST.
19. CEDAR VALLEY PUB. POW. & IRR. DIST.
20. SARGENT PUB. IRR. DIST.
21. HARVARD PUB. POW. & IRR. DIST.

The following abbreviations are arbitrarily used in the above titles:—*Pub.*, Public; *Pow.*, Power; *Irr.*, Irrigation; *Dist.*, District.

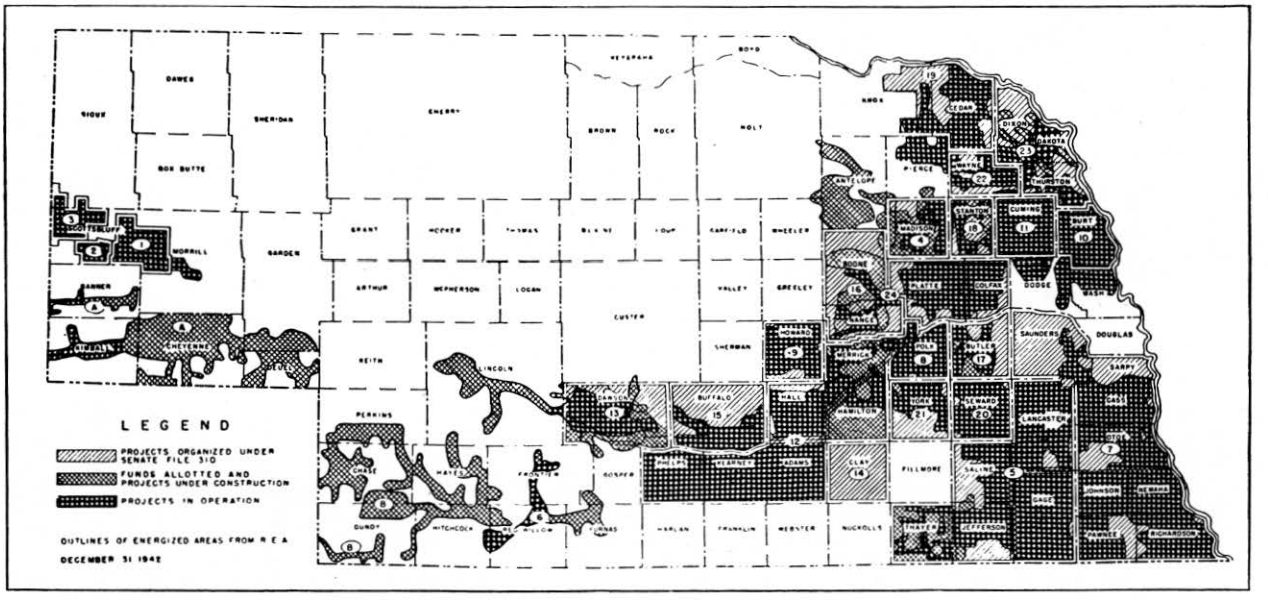
solution of 6 districts. During the same period 62 contract lettings were supervised by this Bureau with the aid, in some instances, of the Bureau of Highways. Fifty-five contract awards were approved for a total amount of $2,776,892. Since November, 1941, when strategic materials were frozen on account of the war effort, only 11 lettings, for construction in connection with defense projects, have been held. The following table shows the districts which let contracts under the supervision of the Bureau during the period, the number of lettings and the amounts of the contracts.

LETTINGS HELD BY PUBLIC DISTRICTS
UNDER SUPERVISION OF DEPARTMENT OF ROADS AND IRRIGATION
December 1, 1940 to September 30, 1942

Name of District	Address	Contracts	
		No. of Lettings	Amounts
Burt County Rural Public Power District	Tekamah	2	$ 46,023.37
Butler County Rural Public Power District	David City	2	29,243.48
Cedar-Knox County Rural Public Power District	Hartington	1	36,987.80
The Central Nebraska Public Power and Irrigation District	Hastings	11	831,637.38
Consumers Public Power District	Columbus	2	49,896.34
Cuming County Rural Public Power District	West Point	2	22,351.05
Dawson County Public Power District	Lexington	4	367,846.40
Loup River Public Power District	Columbus	12	898,649.15
McCook Public Power District	McCook	1	46,978.93
Norris Rural Public Power District	Fairbury	2	104,396.86
Northeast Rural Public Power District	Emerson	2	113,283.83
Platte Valley Public Power and Irrigation District	North Platte	4	26,052.16
Polk County Rural Public Power District	Stromsburg	2	33,050.30
Seward County Rural Public Power District	Seward	2	14,837.60
Southern Nebraska Rural Public Power District	Grand Island	2	103,168.10
Stanton County Rural Public Power District	Stanton	2	26,037.15
York County Rural Public Power District	York	2	26,442.10
Total		55	$2,776,892.00

From the time the first districts began operation in 1934 to September 30, 1942, the Department has approved 226 contracts let by six Public Works Administration Districts in a total amount of $43,719,660.94 and 123 contracts let by 29 Rural Electrification Administration Districts in a total amount of $7,661,836.75, for a grand total of $51,381,497.69. This does not represent the total construction costs of the districts as several districts have let contracts without the supervision of the Department under the emergency clause of the law.

Within the period covered by this report, the Department has approved several consolidations of districts. The Hall, Hamilton and Merrick County districts were combined with the Southern Nebraska



NEBRASKA RURAL ELECTRIFICATION DISTRICTS

1. CHIMNEY ROCK PUB. POW. DIST.
2. GERING VALLEY RURAL PUB. POW. DIST.
3. ROOSEVELT RURAL PUB. POW. DIST.
4. MADISON COUNTY RURAL PUB. POW. DIST.
5. NORRIS RURAL PUB. POW. DIST.
6. MCCOOK PUB. POW. DIST.
7. EASTERN NEBR. PUB. POW. DIST.
8. POLK COUNTY RURAL PUB. POW. DIST.
9. HOWARD COUNTY RURAL PUB. POW. DIST.
10. BURT COUNTY RURAL PUB. POW. DIST.
11. CUMING COUNTY RURAL PUB. POW. DIST.
12. SOUTHERN NEBR. RURAL PUB. POW. DIST.
13. DAWSON COUNTY PUB. POW. DIST.
14. CLAY COUNTY RURAL PUB. POW. DIST.
15. BUFFALO COUNTY PUB. POW. DIST.
16. BOONE-NANCE COUNTY RURAL PUB. POW. DIST.
17. BUTLER COUNTY RURAL PUB. POW. DIST.
18. STANTON COUNTY RURAL PUB. POW. DIST.
19. CEDAR-KNOX RURAL PUB. POW. DIST.
20. SEWARD COUNTY RURAL PUB. POW. DIST.
21. YORK COUNTY RURAL PUB. POW. DIST.
22. WAYNE COUNTY RURAL PUB. POW. DIST.
23. NORTHEAST NEBR. RURAL PUB. POW. DIST.
24. CORNHUSKER RURAL PUB. POW. DIST.

A. AREA SERVED BY A WYO. R. E. A. DIST.
B. AREA SERVED BY A COLO. R. E. A. DIST.

The following abbreviations are arbitrarily used in the above titles:—*Pub.*, Public; *Pow.*, Power; *Dist.*, District; *R.E.A.*, Rural Electrification Administration.

Rural Public Power District and the Lancaster County, the Thayer County and the Southeastern Nebraska Districts were taken over by the Norris Rural Public Power District. Although no formal proceedings have as yet been held, a physical consolidation of the Buffalo County and the Dawson County Districts, under the name of the Dawson County Public Power District, has been effected.

In addition to the aforementioned duties specifically assigned by statute, the Bureau of Irrigation, Water Power and Drainage, has received the annual audit reports of the Public Districts, and after reviewal has transmitted them to the Governor. These audits are returned to this office and placed in the files.

INTERSTATE RIVERS

Republican River. A compact, providing for an equitable division of the waters of the Republican River Basin, was signed on March 19, 1941, by the Compact Commissioners for Colorado, Kansas and Nebraska. The allocations of the virgin water supply of the basin for beneficial consumptive use, as established in the compact are as follows: Colorado, 54,100 acre-feet; Kansas, 190,300 acre-feet and Nebraska, 234,500 acre-feet.

This compact was ratified by the 1941 Legislatures of the three States and was consented to by the 77th Congress of the United States. The consenting legislation, however, was vetoed by the President because of certain language of the compact relating to navigation to which the Federal Power Commission objected.

In order to eliminate the objectionable language it becomes necessary for the signatory States to re-negotiate the compact. Legislation giving Congressional consent to the three States to enter into a compact relative to the Republican River Basin, and providing for the appointment of a Federal representative to sit with the Compact Commissioners was enacted by the 77th Congress. In September 1942, the President appointed Mr. Glenn L. Parker, Chief Hydraulic Engineer, United States Geological Survey, as the Federal Representative. At the time of the report, it appears from preliminary conferences that a compact, in language satisfactory to all concerned, can be ready for consideration by the legislatures of the signatory States when they convene in January 1943.

North Platte River. During the summer of 1942, the State Engineer met with representatives of the States of Colorado and Wyoming and with Federal Representatives at two conferences to discuss the possibility of settling the North Platte River litigation by compact. These meetings were held subsequent to the taking of evidence and the filings of briefs in the suit.

Although there is a desire on the part of all interested parties to settle the matter by compact, it was the opinion of the majority

of the conferees that compact negotiations should be deferred until the opinion of the Federal Master is handed down.

REGIONAL PLANNING

The State Engineer is a member of the following planning groups, all of which are sponsored by the National Resources Planning Board:

The Middle and Lower Missouri Drainage Basin Committees.

The Platte River Drainage Basin Committee.

The Missouri River States Committee.

The membership of these various committees is composed of a State representative from each of the States within the region and a representative of each Federal Agency which is concerned with the development and conservation of natural resources.

Several meetings of each of the groups were held during the biennium, as a result of which favorable progress is being made toward the ultimate realization of a unified plan of development of the regions' natural resources.

During the past year the State Engineers of the States of Colorado, Kansas and Nebraska have held conferences with the District Engineer of the United States Engineers at Kansas City, the Division Engineer at Omaha and the Chief of Engineers in Washington, relative to the construction of multiple purpose reservoirs in the Republican Basin. As a result of these conferences, the Army Engineers have advised us that they are ready to proceed with not only the detail plans and specifications for the construction of the Harlan County Reservoir but also with certain other structures in the upper portions of the basin. Under this plan, flood protection and irrigation facilities will be afforded to all portions of the basin instead of to only the lower portion as originally planned by the Army Engineers.

The Bureau of Reclamation has been making a basin-wide investigation of the irrigation possibilities in the Republcan Valley. Representatives of this Bureau have attended a number of conferences with Reclamation officials and water users, and assisted in their attempts to reach agreements whereby proposed projects might be constructed.

COURT DECISIONS

Following are reports of cases heard before the United States Circuit Court of Appeals and the Nebraska Supreme Court. These reports are being published in this volume because the important issues involved are of particular interest to those who use the appropriated waters of the State.

UNITED STATES v. TILLEY, STATE ENGINEER OF NEBRASKA, ET AL

No. 11587

Circuit Court of Appeals, Eighth Circuit
December 23, 1941.

Rehearing Denied January 28, 1942.

1. **Waters and Water Courses.** Testimony of supervising engineer for Bureau of Reclamation who participated in controlling conferences and negotiations leading up to execution of contract between irrigation district's predecessor and United States regarding irrigation waters was entitled to consideration in determining whether an express assignment provision of the predecessor's appropriative rights was intentionally omitted and in weighing the significance and interpretation to be given provision of contract that delivery of water supply provided for in the contract would be accepted by the predecessor as full satisfaction of all its rights to water.
2. **Waters and Water Courses.** Where for period of almost 25 years irrigation district had used natural flow of river as it saw fit and had merely called upon the United States for a release of storage waters as an auxiliary supply when there was a shortage in amount fixed by contract schedule and at no time during such period did the United States dispute the district's right to use the natural flow of waters as such or in an amount up to the limit of its claimed appropriative rights in the waters, the actions of the parties were strongly indicative of mutual interpretation which was entitled to weight in determining whether the irrigation district's predecessor had assigned appropriative right to the United States.
3. **Contracts.** In construing a contract, subsequent interpretative conduct of the parties to the contract could be considered.
4. **Waters and Water Courses.** Where the United States and Irrigation district's predecessor entered into contract providing that the United States would impound and store and release into the North Platte River and furnish from other sources for use of the predecessor an amount of water which would, with all the water the predecessor might be entitled to by reason of any appropriations and all water to which lands of the district were entitled, aggregate a certain scheduled flow, and that delivery of water provided for in the contract would be accepted as in full satisfaction of all the predecessor's rights to water of the North Platte River, but where express assignment of the

predecessor's appropriative rights was omitted from the contract, the contract did not transfer to the United States the predecessor's appropriative rights. Comp. St. Neb. 1929, § 46-503; Warren Act § 1-3, 43 U. S. C. A. § 523-525.

5. **Waters and Water Courses.** Under Nebraska law, appropriative water rights acquired prior to 1895 were not necessarily required to be attached to specific land, and so could, generally speaking, be transferred or assigned for use on other property. Comp. St. Neb. 1929, § 46-109.
6. **Waters and Water Courses.** Under Nebraska law, any change in locational use of previously appropriated waters could, after 1895, only be made under permission and subject to administrative control of state irrigation authorities. Comp. St. Neb. 1929, § 46-109.
7. **Constitutional Law. Waters and Water Courses.** The requirement of Nebraska statute for administrative permission to change locational use of appropriative water rights acquired prior to 1895 is not an impingement upon previously vested appropriative rights and their inherent incidents, but is a valid exercise of state "police power" in safeguarding against possibility of an unjustifiable waste of public waters and in aiding orderly administration and supervision. Comp. St. Neb. 1929, § 46-109.

   See Words and Phrases, Permanent Edition, for all other definitions of "Police Power".

8. **Waters and Water Courses.** Appropriative water rights which became vested in Nebraska prior to 1895 are subject to transfer as ordinary property and generally speaking to a change in locational use with permission of state irrigation authorities. Comp. St. Neb. 1929, § 46-109.
9. **Waters and Water Courses.** In case of a canal company organized to carry and distribute irrigation water, which has made an appropriation for purpose of serving particular lands and has caused its appropriative water to be thus applied, the rights of the canal company with respect to waters appropriated, though acquired prior to 1895 have become dedicated, under Nebraska law, to the use of the lands which the canal was constructed to serve and to which waters had been applied, and the canal company cannot deprive landowners of the continuing benefit of such dedicated use without their express consent.
10. **Waters and Water Courses.** Under Nebraska law, a canal company organized to carry and distribute irrigation water is of the nature of a "public service corporation" and its rights and duties are modified by the nature of its functions although it cannot serve the public generally, but only the occupiers of land lying under its ditch. Comp. St. Neb. 1929, § 46-109; Comp. St. Neb. 1893, c.93a, art. 2, § 13.

    See Words and Phrases, Permanent Edition, for all other definitions of "Public Service Corporation."

11. **Waters and Water Courses.** Under Nebraska law, an appropriator of public waters for use under an irrigation project or canal is entitled to collect seepage waters upon any part of the land under such project or canal, by means of drains or ditches and to apply them to further beneficial use upon any of the land under such project or canal.
12. **Courts.** In case involving Nebraska Water Rights Law, duty of federal court is simply to ascertain the existing law of the state as accurately as the court is able, and to apply it as the court finds it to be.
13. **Courts.** If any grave doubt should exist in minds of federal court regarding the law of a state on a question of public importance, it is the duty of the federal court to deny injunctive relief.

14. **Injunction.** Injunctive process will not issue unless the right thereto is clear.
15. **Courts.** The fact that there has been no challenging expression on the part of the legislature or courts of Nebraska during the 21 years that have elapsed since decision of Circuit Court of Appeals regarding right of appropriator, under Nebraska law, to recapture seepage waters under an irrigation project or canal, indicated a recognition and acceptance of the correctness of that determination and in the absence of anything creating a doubt in the mind of the Circuit Court of Appeals regarding the correctness of such determination, the Circuit Court of Appeals would follow that decision. Rev. St. Neb. 1913, § 3426; Comp. St. Nebr. 1929, § 46-132; Const. Neb. art. 15, § 4, 6.
16. **Waters and Water Courses.** Under the Nebraska law, neither the appropriators for an irrigation project or canal nor the owners of the lands served thereby have title to the diverted waters, but ownership of public waters in Nebraska at all times remains in the public and it is the use thereof that may be appropriated. Comp. St. Neb. 1929, § 46-109.
17. **Constitutional Law. Waters and Water Courses.** Under Nebraska law, in the sense that the right to the beneficial use of water appropriated for irrigation purposes attaches to and follows the land to which application is made, the appropriative rights belong to the landowners, and the right to the beneficial use on the part of a landowner is in the nature of a "vested right" but the owner of the irrigation project has an interest in such appropriative rights sufficient to entitle him to take any necessary steps to protect the scope of the rights. Comp. St. Neb. 1929, § 46-109, § 46-132, § 46-620.

    See Words and Phrases, Permanent Edition, for all other definitions of "Vested Right".

18. **Waters and Water Courses.** Under Nebraska law, the fact that the United States has divided reclamation project into several divisions which have been completed at different times does not preclude the United States from recapturing seepage waters from lands in one division for use of another division, where the grouping of the lands into divisions was simply a matter of mechanical organization and administrative convenience in the sound development of the project as a whole and the reservoirs and diversion works by means of which the waters were supplied remain in the control of the United States. Comp. St. Neb. 1929, § 46-628.
19. **Waters and Water Courses.** The scope of the United States appropriative rights in connection with a federal reclamation project are the same, under the Nebraska law, as those in connection with any irrigation canal, and includes the right, by proper means, to collect seepage waters from any part of the land and to reapply them upon other lands within the project and under the appropriation. Comp. St. Neb. 1929, § 46-628.
20. **Waters and Water Courses.** Under the Nebraska rule that an appropriator of public waters for use under an irrigation project is entitled to collect seepage waters upon any part of the land under such project by means of drains or ditches and to apply them to further beneficial use upon any of the lands under the project, the right to the use of seepage waters is not affected by the size or area of the land covered by the appropriation, where the state irrigation authorities have approved the making of the appropriation for the lands as a body.
21. **Constitutional Law.** Nebraska water rights acquired by the United States under appropriation could not be impinged upon, in their basic scope, by administrative regulations or practices of state administra-

tive officers, since administrative officers of Nebraska in regulating and controlling irrigation perform ministerial duties only and must give full recognition to vested rights of all appropriators.

22. **Constitutional Law.** Where seepage involved was water which the United States, under Nebraska law, was entitled to use on lands in its reclamation project, and was water which irrigation district under its contract of carriage with the United States was required to carry in its canal, Nebraska administrative officers could not exonerate the irrigation district from so carrying by purporting to authorize the water to be diverted and used upon lands in the irrigation district as an optional diversion of public waters in exchange for part of the natural flow in river to which the district would otherwise be entitled under its appropriative rights.

On Petition for Rehearing

23. **Equity.** Where question whether appropriations by the United States from the North Platte river in Wyoming were subordinate to earlier appropriations from the same stream in Nebraska was an issue in a case pending as an original action in the United States Supreme Court, Circuit Court of Appeals would not refuse injunctive protection of the right of the United States to use seepage waters from lands under its reclamation project in Nebraska, on theory of "unclean hands" and lack of equitable standing, because of diversions under the Wyoming appropriations.

See Words and Phrases, Permanent Edition, for all other definitions of "Unclean Hands".

APPEAL from the District Court of the United States for the District of Nebraska, James A. Donohoe, Judge.

Suit for injunction by the United States of America against A. C. Tilley, State Engineer and Head of the Department of Roads and Irrigation of the State of Nebraska, and others, wherein the Reconstruction Finance Corporation intervened. From a judgment dismissing the suit, the plaintiff appeals.

Affirmed in part and reversed in part.

John F. Cotter, of Washington, D. C., *Atty., Department of Justice*, (*Norman M. Littell, Asst. Atty. Gen., Joseph T. Votava, U. S. Atty.*, of Omaha, Neb., *Charles R. Denny* and *W. Robert Koerner*, both of Washington, D. C., *Attys., Department of Justice*, and *William J. Burke, Dist. Counsel*, Bureau of Reclamation, of Billings, Mont., on the brief), for appellant.

Paul F. Good, Sp. Counsel, of Lincoln, Neb. (*Walter R. Johnson, Atty. Gen.* of Nebraska, and *John L. Riddell, Asst. Atty. Gen.* of Nebraska, on the brief), for Nebraska irrigation administrative officers, appellees.

Thomas F. Neighbors, of Scottsbluff, Neb. (*Lester A. Danielson*, of Scottsbluff, Neb., on the brief), for appellee Farmers Irr. Dist. and others.

William D. Deakins, Jr., of North Platte, Neb., for intervener-appellee Reconstruction Finance Corporation.

Before SANBORN, WOODROUGH, and JOHNSEN, Circuit Judges.

JOHNSEN, Circuit Judge.

In a suit for an injunction against the administrative officers of the State of Nebraska in charge of the diversion and distribution of its appropriated irrigation waters, and also against the Farmers' Irrigation District of that state, the United States seeks to have it decreed (1) that the appropriative rights claimed by the District to natural flow waters of the North Platte River under the laws of Nebraska, and recognized by the administrative officers of the State in favor of the District, had been transferred to and become vested in the United States under a contract with the District's predecessor in interest, the Tri-State Land Company, dated August 12, 1912; and (2) that the State of Nebraska and its administrative officers have no right to interfere with the collection by the United States of the seepage waters from the irrigation of lands in the Pathfinder division of its North Platte Irrigation Project, and the carriage and re-application of such waste waters to further beneficial use on lands in the Northport division of the same government reclamation project, nor to permit the District to use and to obtain the benefit of such seepage waters as against the United States.

Two wholly separate causes of action and independent legal issues are thus presented. The District Court held that there was no right to an injunction on either cause of action, and the United States has appealed from the dismissal of its action.

As to its first cause of action, the United States contends that the Tri-State Land Company—to whose rights and property the Farmers' Irrigation District had succeeded—had previously assigned and transferred the appropriative rights, which the District claims it acquired from the Company, to the United States, by a contract dated August 12, 1912, in exchange for an agreement by the United States to supply the Company with surplus waters from the storage reservoirs and other available sources in its North Platte Irrigation Project, in an annual amount of 180,000 acre feet, to be released and delivered to the Company in accordance with a prescribed monthly schedule. The appropriative rights of the Company which the United States claims had been assigned to it, in exchange for this regulated storage supply, had an early priority date, in the history of Nebraska water rights, of September 16, 1887, and were considerably in excess of the quantity of water which the United States was to release from its storage sources under the contract schedule; but the flow of the North Platte River was not constant throughout the year, and there were periods during the irrigating season when there was insufficient water to provide for the needs of growing crops on the lands which the Tri-State Land Company's canal had been constructed to serve.

The contract of August 12, 1912, between the United States and the Company was made under the provisions of the Warren Act of

1911, 36 Stat. 925, 43 U.S.C.A. §§ 523-525, which authorized the Secretary of the Interior to contract with distributors of irrigation waters for the impounding, storage, and carriage of water, to the extent of the excess capacity of the facilities of any project constructed under the Reclamation Act of 1902, 32 Stat. 388, 43 U.S.C.A. § 372 et seq., not required for the purposes of the lands intended to be reclaimed and irrigated by such project. By the terms of the contract, the Company was to pay the United States the sum of $500,000, and was further to bear one-fourth of "the total operation and maintenance charges in connection with the storage works from which said stored water may be supplied".

The position of the Farmers' Irrigation District is that the contract was merely intended to supplement and stabilize the water supply and irrigation service of the Company, and of the District as successor-owner of the canal; that it did not purport to assign or transfer the Company's appropriative rights to the United States; and that it could not in any event enable the United States by injunctive process to deprive the lands lying under the canal of the benefits of the appropriation.

Turning to the contract itself, its preamble recites, as the reason and basis for the agreement, that the United States had certain surplus storage waters in the Pathfinder Reservoir of its North Platte Irrigation Project available for disposal under the terms of the Warren Act; that the Company had certain appropriative rights in the natural flow waters of the North Platte River which were insufficient for the proper irrigation of the lands intended to be served by its canal; that the Company was desirous of perfecting its water supply by arranging with the Secretary of the Interior for the use of a portion of such surplus storage waters; and that the landowners under the Company's canal, who had organized themselves into the Farmers' Irrigation District and were contemplating "taking over the Company's canal, water appropriation and other like property in connection with the canal" were "desirous of having the Company purchase water to supplement the appropriations already held by the Company in a sufficient quantity for the irrigation of lands included within the District."

This preambulatory recitation, though, of course, not controlling, lends at least some indicative support to the District's contention, as to the intended purpose and effect of the transaction. In addition, Article I of the contract also is confirmatory of the District's position, that the object of the parties was simply to provide the Company with an auxiliary supply of irrigation water, in accordance with the authorization of the Warren Act, and not to attempt to transfer to the United States the title to the appropriative rights which the Company held under the laws of Nebraska. This article provides that the United States will impound and store and release into the North Platte River,

and furnish from other sources, for the use of the Company, an amount of water which will, *"with all the water the Company may be entitled to by reason of any appropriations* and all water to which the lands of said Irrigation District are entitled" (italics supplied), aggregate a certain scheduled flow, during the period from April 15th to October 15th of each year, amounting to a total of 180,000 acre feet.

The United States, however, places its reliance upon Article XI of the contract, which provides: "The delivery of the water supply provided for in this contract will be accepted by the Company as in full satisfaction of all its rights to the water of the North Platte River, both natural flow and surplus storage from the Pathfinder Reservoir and other Reservoirs of the Reclamation Service constructed in connection with the North Platte Project."

But the language of Article XI can hardly be said to be words of express assignment, for, whatever it may have been intended to accomplish, it does not on its face purport to transfer anything directly to the United States. If it can be argued that there is an implied intention to pass title to the Company's appropriative rights to the United States, such an implication is certainly not a compelling one, in the face of the seemingly opposing recitation in the preamble, and of the nature of the obligation defined in Article I; and, indeed, when the circumstances attending the drafting of the instrument and the actions of the parties under the contract are considered, any such implication would seem to be completely dissolved.

The circumstances surrounding the making of the contract tend to convince us, as they did the trial court, that the parties deliberately omitted any express assignment provision from the final draft of the instrument, because of a doubt as to its legal validity. The record shows that the first draft of the contract submitted by the United States to the Company had contained a provision that "it is agreed that the United States shall hold in trust for the benefit of said Company all claims of the Company to the waters of the North Platte River". In a subsequent draft, this provision was changed to read that, "In order to enable the United States to deliver the supply of water herein specified on the basis of payments as herein provided, the Company hereby assigns to the United States all its right, title, and interest to the waters of the North Platte River over and above the amounts provided in this contract, and limits its claims to such amounts."

The language used in these two preliminary draft provisions is direct and unequivocal. The record indicates that the Company raised no particular objection to either of them, though there is no competent showing that the landowners of the District were willing to consent to a surrender of the beneficial use of any part of the appropriative rights. In any event, there seems to have been some discussion in the Bureau of Reclamation on whether any attempt to assign the Company's appropriative rights would be valid under the law of

Nebraska; and the only testimony in the record that in any way tends to explain the form of the final draft of the contract is contained in the cross-examination of the government's witness Walter, which is supportive of the District's position here.

[1] Walter, who was a supervising engineer for the Bureau of Reclamation and had participated in the controlling conferences and negotiations leading up to the execution of the contract, testified, in effect, that it was his recollection that the objection which had been raised to the legality of any assignment of the Company's appropriative rights was responsible for the elimination of the previous assignment provision in the final contract draft. His recollection was perhaps not so absolute that it ought by itself to be accepted as conclusive of the matter, but his frank statement and manifest conviction, that "it was anyhow elimintated", are entitled to consideration in determining whether an express assignment provision was intentionally omitted, and in weighing the significance and interpretation to be given Article XI under the other circumstances of the case, and in the light of the recitations contained in the preamble and in Article I.

[2] A further reason why we think the contention of the United States can not reasonably be adopted here is found in the subsequent actions of the parties under the contract, through a long period of years, which seem to us to evidence a recognition and acceptance of the construction for which the District is contending. From 1912 to 1936, when the present controversy first arose, the District, as the Company's successor in interest (and substituted for the Company in the contract of August 12, 1912, by a supplementary contract with the United States), had regularly used the natural flow appropriation as it saw fit, and had merely called upon the United States for a release of storage waters as an auxiliary supply, when there was a shortage in the amount fixed by the contract schedule. At no time during this period is the United States shown to have disputed the District's right to use the natural flow waters as such, or in an amount up to the limit of its claimed appropriative rights in such waters. The District has acted on the theory and construction that Article XI merely fixed or limited the scope of the obligation of the United States; that its effect was simply to prevent the District from calling upon the United States for water, if the available natural flow under its appropriative rights equaled or exceeded the contract schedule; and that when the District had received the amount of water prescribed by the contract, during the period specified, no matter from what source it was derived, the obligation of the United States was thereby satisfied, under the provisions of Article XI. These actions of the parties over a period of almost twenty-five years are strongly indicative of a mutual interpretation, which necessarily is entitled to weight here in settling a subsequent dispute as to the intended meaning of the contract provision.

It may be added that the provision in the contract for payment

of the sum of $500,000 and an annual amount equal to one-fourth of the maintenance costs of the storage works involved further tends to stamp the transaction as one of mere storage or surplus water sale, as the Warren Act specifically authorizes. And, in view of the fact that the final contract was drawn by attorneys in the Reclamation Bureau, after they had previously included in the proposed instrument a form of express assignment, and after a question admittedly had been raised as to the possible invalidity of any attempted assignment, and without any claim here of inadvertent omission or mutual mistake or any request for reformation, the impression naturally and reasonably is created that it probably was desired at the time to avoid entangling the United States in any dispute with the state administrative officers over a recognition of such a transfer, or possibly with the landowners under the canal, and that the assignment provision was for this, or some other equally controlling reason, deliberately omitted. It is, of course, not important here what the actual reason for the omission may have been, and we would not have it appear, in what has been said, that we are attempting to indulge in speculation with respect to it. All that we desire to indicate is that the circumstances convince us that, for some reason, an express assignment provision, in the language of the witness Walter, "was anyhow eliminated."

If Article XI was intended by the United States at the time to have any effect in preventing the Company and the District from making use of more than 180,000 acre feet of water, it may be that the attorneys for the Bureau of Reclamation assumed that, without a formal assignment or transfer of appropriative rights, Article XI could be made in practical effect to operate as a simple relinquishment to the United States of any excess waters over 180,000 acre feet, which might exist under the Company's appropriative rights, and thereby permit the United States to use such excess waters for other reclamation purposes. Here again we are not seeking to reach a speculative conclusion, but only to point out that, if such was the object of Article XI, it does not so provide in express terms; nor have the parties recognized and interpret it as having that effect by their conduct during the twenty-five year period preceding this controversy; nor, under the law of appropriative rights, would it in any event entitle the United States to a decree here compelling the state officers to give recognition to any such an attempted relinquishment in favor of the United States, in view of the proved existence of intermediate appropriations. There is no confirmatory evidence in the record of an intended or actual abandonment or relinquishment by the Company or the District of any excess waters over 180,000 acre feet, but, if such abandonment or relinquishment had actually been made, under the agreement here involved or otherwise, it would not, as we have indicated, enable the United States to claim the waters by injunctive process here, but such waters would automatically have inured to the

benefit of other appropriators, with rights superior to those of the United States, in the direct order and to the extent of their appropriative priorities. Neb. Comp. St. 1929, § 46-503.

[3, 4] Reading the contract as a whole, and viewing the circumstances accompanying the transaction, and scrutinizing the subsequent interpretative conduct of the parties, as we are privileged to do in a matter of construction (See Restatement, Contracts, § 235), we hold that the United States is not entitled to have it decreed that the appropriative rights of the Tri-State Land Company were assigned and transferred to and became vested in it under the contract of August 12, 1912, and that its request for an injunction on that basis should be denied.

It may be remarked in passing that the Supreme Court of Nebraska also has had occasion incidentally to give consideration to the nature and effect of the contract here involved, in *State ex rel. Sorensen v. Mitchell Irrigation District*, 129 Neb. 586, 262 N.W. 543, *certiorari denied* 297 U. S. 723, 56 S. Ct. 667, 80 L. Ed. 1007, in connection with the contention of a junior appropriator that the Farmers' Irrigation District had lost its right to natural flow water of the North Platte River, to the extent that it had called upon the United States for storage waters under the contract of August 12, 1912. The court's expression in that case is not, of course, an adjudication against the United States, since it was not a party to the proceeding, but the language used is nevertheless of some indicative interest, as an ostensible face construction. The court said at page 550 of 262 N.W.: "The record discloses that, at times during the irrigation season in dry years, there is an insufficient amount of water in the natural flow of the North Platte river to supply cross-petitioner (Farmers' Irrigation District) with the amount of water for which its appropriation has been heretofore adjudicated, and cross-petitioner, for the purpose of supplementing this supply, has contracted with the government for a stipulated amount of water, to be released from the reservoirs, above mentioned, during the irrigation season. Its contract with the government for water stored in the reservoirs was simply a means to supplement its needs in dry seasons."

It should perhaps also be mentioned that the District has urged, as an additional reason why the United States should be denied injunctive relief on its first cause of action, that, even if the Company had attempted to assign its appropriative rights, such a purported assignment could not of itself affect the right of the landowners under the canal to the full beneficial use of the appropriative rights, since the appropriation had been made with specific reference to their lands, and the canal had been constructed for the purpose of serving them; and that they could not therefore be deprived of the beneficial use of any part of such waters, even in excess of 180,000 acre feet, when it was needed upon their lands.

[5-7] By act of the Nebraska legislature, all appropriations for irrigation purposes made since 1895 are inseparably appurtenant to specific land, and so follow the land to which the water was intended to be and has been applied. Neb. Comp. St. 1929, § 46-109. Appropriative rights acquired prior to 1895, however, were not necessarily required to be attached to specific land, and so could, generally speaking, be transferred or assigned for use on other property. See *Vonburg v. Farmers' Irrigation District*, 132 Neb. 12, 270 N.W. 835; *Enterprise Irrigation District v. Tri-State Land Co.*, 92 Neb. 121, 138 N.W. 171; *Clague v. Tri-State Land Co.*, 84 Neb. 499, 121 N.W. 570, 133 Am. St. Rep. 637; *Enterprise Irrigation District v. Willis*, 135 Neb. 827, 284 N. W. 326. But any change in the locational use of previously appropriated waters could, after 1895, only be made "under the permission and subject to the administrative control" of the state irrigation authorities. *Farmers' & Merchants' Irrigation Co. v. Gothenburg Water Power and Irrigation Co.*, 73 Neb. 223, 102 N.W. 487, 488. This prescription for administrative permission to change the locational use was not in any way an impingement upon such previously vested appropriative rights and their inherent incidents, but was a valid exercise of state police power, in safeguarding against the possibility of an unjustifiable waste of public waters and in aiding orderly administration and supervision. Under what conditions the state irrigation authorities might properly refuse to permit such a change in locational use, we need not consider. Nor are we concerned here with whether the locational change that was contemplated in this case by the United States was one which the state irrigation authorities would have been required to approve, if there had been in fact an actual assignment of the Company's rights under the provisions of the contract, and if there were no other interests affected or involved.

[8, 9] It is only necessary to point out now—and we do so primarily in the public interest, because the contention has been presented, and since an expression may serve to clarify the status of the District's appropriative rights in their relation to the landowners under the canal, not only in the present controversy but for the future—that, while appropriative rights which became vested in Nebraska prior to 1895 are subject to transfer as ordinary property, and generally speaking to a change in locational use with the permission of the state irrigation authorities, such a right of change in locational use has always been subject to qualification in the case of a canal company, organized to carry and distribute irrigation water, which has made an appropriation for the purpose of serving particular lands, and has caused its appropriative waters to be thus applied. In such a situation, the rights of the canal company with respect to the waters appropriated, though acquired prior to 1895, have become dedicated to the use of the lands which the canal was constructed to serve and to which such waters have been applied; and the canal company cannot

deprive the landowners of the continuing benefit of this dedicated use without their express consent.

[10] Such a canal company is "of the nature of a public service corporation". *Fenton v. Tri-State Land Co.*, 89 Neb. 479, 131 N.W. 1038, 1043. "Its rights and duties are modified by the nature of its functions. It cannot serve the public generally, but only the occupiers of land lying under the ditch." Page 1043 of 131 N.W. As a quasi public service corporation, it was allowed to exercise the sovereign privilege of eminent domain. Neb. Laws of 1877, p. 168, § 1. "The law grants to corporations of this character valuable rights, but with these rights are accompanying duties to the landholders for the irrigation of whose land the rights are granted, and, if these obligations are not fulfilled, the law will interfere at the request of the party injured." *Farmers' Irrigation District v. Frank*, 72 Neb. 136, 100 N.W. 286, 293.

In fact, in the first statute enacted by the Nebraska legislature regulative of irrigation waters in that state, it was specifically provided that "the owners or cultivators of said land along the line of and covered by said ditch or canal, are entitled to and have the right to the use of water from said ditch or canal, for the purpose of irrigating said land, so owned or cultivated in the following order: * * *". Neb. Laws of 1889, Ch. 68, Neb. Comp. St. 1893, Ch. 93a, Art. 2, § 13. And the Supreme Court of Nebraska, in *Farmers' Irrigation District v. Frank*, 72 Neb. 136, 100 N.W. 286, 293, 294, has, it seems to us, clearly recognized the implied right of the landowners under the very canal here involved, to the permanent beneficial use of the appropriative waters now in litigation, by refusing to allow a second appropriation to be made for the benefit of such lands. It is true that in *Farmers' & Merchants' Irrigation Co. v. Gothenburg Water Power & Irrigation Co.*, 73 Neb. 223, 102 N.W. 487, it was held that a canal company, which had extended its ditch prior to 1895, could validly make such a change and properly serve the lands lying under the ditch extension; but that case involved only excess waters, so far as irrigation use was concerned, which were within the company's original appropriation, but which had not previously been applied for irrigation purposes and were apparently not needed to serve the lands along the original canal, and hence no question of deprivation of beneficial use as against such landowners was involved. There is accordingly no conflict in that decision.

It follows from what has been said that, even if there had been a formal assignment of the Tri-State Land Company's appropriative rights in the contract of August 12, 1912, which might have passed the legal title to the appropriative rights as such, this would not have operated to deprive the lands under the canal of the right to the beneficial use of the appropriated waters which had been applied to and were needed upon such lands, or to enable the United States by virtue

of such an assignment alone to make a change in the locational use of such waters; and hence it could not furnish the basis for an injunction to achieve that result, such as is here sought to be done.

For each of the reasons discussed, the United States was not entitled to injunctive relief on its first cause of action, and the judgment of the trial court in dismissing that cause of action should be affirmed.

On the United States' second cause of action, the controlling question is whether, under the law of Nebraska, seepage waters from lands under an irrigation project or canal, which, if not intercepted, would ultimately, by percolation or drainage, return, in part at least, to the river from which they were diverted, may be collected by the appropriator, in drains or ditches upon such lands, and be applied to further beneficial use upon other lands under such project or canal; or whether, when appropriated waters have once been applied to any lands under an irrigation project or canal, the appropriative rights therein have been exhausted, so that the seepage waters resulting from such irrigation use are not susceptible of recapture by the appropriator, but must be allowed to return as fully as possible to the natural stream, and are to be regarded wholly as public waters, subject to administration by the state irrigation authorities.

[11] This Court has previously expressed itself upon the basic aspect of the question under Nebraska law, in *Ramshorn Ditch Co. v. United States*, 8 Cir., 269 F. 80. In its application to the present situation, the purport of the expression in that case is that it is our interpretation of the law of Nebraska governing appropriative rights that an appropriator of public waters for use under an irrigation project or canal is entitled to collect seepage waters upon any part of the lands under such project or canal, by means of drains or ditches, and to apply them to further beneficial use upon any of the lands under such project or canal. Incidentally, the controversy in that case arose out of the same reclamation project as here, and involved the right to the use of seepage waters in one of the very drains now under consideration.

The view taken of the Nebraska law in the *Ramshorn* case is in accord with that declared by a majority of the courts, under general appropriation statutes, as the law seems to have developed in that field up to the present time. See *Ide v. United States*, 263 U.S. 497, 44 S. Ct. 182, 68 L. Ed. 407; 2 Kinney on Irrigation and Water Rights, 2d ed., 2189, §§ 1207-1208; 30 Am. Jur. 611, 618; 89 A.L.R. 200, 215, 218, annotation. The courts of some states, notably Colorado, have adopted a contrary view, but the cases of *Ft. Morgan Reservoir & Irrigation Co. v. McCune*, 71 Colo. 256, 206 P. 393, and *Comstock v. Ramsay*, 55 Colo. 244, 133 P. 1107, upon which the Colorado rule rests, appear to have been the subject of considerable dispute even within that state.

[12-14] It is, of course, now generally recognized that, in the absence of extreme soil or climatic conditions, seepage waters within a watershed, if present in a sufficient quantity and for a sufficiently continuous period, will ordinarily ultimately find their way back in part to the diversion stream. Whether, in the light of this natural fact, which appears not to have been comprehended in the early development of irrigation law, the public interest of an arid state would be better served by permitting the recapture of seepage waters upon the lands irrigated and their further application to beneficial use by an irrigation project or canal appropriator, or in requiring that all such waters be treated as wholly tributary to the natural stream, is, however, not the question here. That point we necessarily have no right to determine for the people of Nebraska. Our duty, as a federal court, is simply to ascertain the existing law of the state, as accurately as we are able, and to apply it as we find it to be. *Yoder v. Nu-Enamel Corporation*, 8 Cir., 117 F. 2d 488. If any grave doubt should exist in our mind as to the law of the state on a question of such public importance[1] as is here involved, it would be our duty to deny an injunction in the present case, since "our process does not issue unless the path is clear". *Hawks v. Hamill*, 288 U.S. 52, 61, 53 S. Ct. 240, 243, 77 L. Ed. 610.

But, the declaration in the *Ramshorn* case as to the law of Nebraska, on the right of an appropriator to recapture seepage waters, has apparently stood unchallenged by any expression on the part of either the courts or the legislature of that State for more than twenty-one years. It represents, as we have indicated, the majority rule and construction in the field of general irrigation law. In addition, the Supreme Court of Nebraska, by indicative expression, seems to us to have given confirmation to the view that it is the intention of the law of that State to grant to an appropriator the fullest possible beneficial use of the waters of his appropriation. Thus, in *Farmers' Irrigation District v. Frank*, 72 Neb. 136, 100 N.W. 286, 294, the court, in discussing appropriative rights in connection with an irrigation canal, said: "The person making the first application for the use of water to water any particular tract of land is given by the law an exclusive right to the water, so long as he applies it to the beneficial use, and is granted, therefore, in a certain sense, a monopoly of the use of the water which he has been allowed to appropriate."

Appellees urge upon us that, at the time the controversy in the *Ramshorn* case originated in the District Court, there was in effect a special Nebraska statute authorizing an appropriator to recapture seep-

[1]The Constitution of Nebraska, Art. XV, § 4, expressly provides that "The necessity of water for domestic use and for irrigation purposes in the State of Nebraska is hereby declared to be a natural want." Section 6 of the same Article further provides that "The right to divert unappropriated waters of every natural stream for beneficial use shall never be denied except when such denial is demanded by the public interest."

age waters, as a matter of legislative permission,[2] and that this statute ought to be regarded as the real basis for our injunction in that case. But this argument ignores the fact that the opinion expressly declared that the right of an appropriator, under Nebraska law, to recapture seepage waters upon the lands under an irrigation project or canal, did not depend upon this special statute. 269 F. at page 83. Further than this, at the time the *Ramshorn* case was disposed of in this Court, the special statute referred to had been repealed;[3] and, while the opinion apparently failed to take cognizance of this fact and treated the statute as an alternative ground of decision, it is clear that, if the right to recapture seepage waters under an irrigation project could only have rested upon legislative permission under this special statute, the repeal of the statute would have left no valid basis to sustain the injunction in that case, or for the acceptance by the parties, including the state administrative officers who were defendants in the action, of the decree of this Court.

[15] We do not have any actual means of knowing why, in adopting a Civil Administrative Code for Nebraska in 1919, the legislature repealed this special statute. The fact, however, that there has been no challenging expression on the part of the legislature or the courts of Nebraska, during the twenty-one years that have elapsed since the *Ramshorn* decision, would seem logically to indicate a recognition and acceptance of the correctness of the declaration in that case, that the special statute had added nothing to the already existing rights, under the irrigation statutes of 1895 (Neb. Laws of 1895, Ch. 69), of an appropriator to recapture the seepage waters under an irrigation project or canal, and reasonably to suggest that, in the rewriting or compiling of the statutes incorporated in the Civil Administrative Code, legislative accord with that view in all probability prompted the repeal of this special statute. But, however that may be, in the absence of anything creating a doubt in our mind as to the correctness or soundness of the *Ramshorn* case, we manifestly owe the duty, under the circumstances to which we have referred above and as a matter of judicial consistency, of following that decision. It may be added that section 46-132, Neb. Comp. St. 1929, authorizing and requiring an irrigation district to make provision for the drainage of seeped lands, seems to us by strong implication further to confirm a legislative recognition of the general right of an appropriator in Nebraska to

[2]Neb. Rev. St. 1913, § 3426: "Any person, persons, district, company or corporation owning, constructing or operating an irrigation canal in this state, are hereby authorized to collect or assist to collect any seepage water thereunder or under any adjacent irrigation canal by the construction of drainage ditches and to apply said waters to irrigate with on the lands covered by the original appropriation of such canal, while said seepage waters are being conducted by said drainage ditches toward the natural streams. * * *"

[3]Repealed by Neb. Laws of 1919, p. 864.

recapture and re-use seepage waters, when it declares that an irrigation district, in the drainage of such seeped lands, "shall have the right to extend such drainage ditches outside of the limits of such district *for the purpose of conducting the drainage water to other lands upon which the same may be lawfully used* or to return the same to the stream from which its canal is taken". (Italics supplied.)

Several arguments are made to try to escape the effect and application of the *Ramshorn* decision, but we do not regard any of these as controlling. It is contended, for instance, that the right to recapture seepage waters ought to be held to be impliedly denied by section 46-620, Neb. Comp. St. 1929, which provides: "The owner or owners of any irrigation ditch or canal shall carefully maintain the embankments thereof so as to prevent waste therefrom, and shall return the unused water from such ditch or canal with as little waste thereof as possible to the stream from which such water was taken, or to the Missouri River". This section was contained in the statutes of Nebraska at the time the *Ramshorn* case was decided, and it does not in any way conflict with the views and expressions in that opinion. It has application to the conservation and return of the unused waters of an irrigation ditch or canal, but it does not purport to limit or define the scope of the use or re-use of the waters properly withdrawn from the ditch or the canal for beneficial application. Such appears also to have been the force given it, in *Osterman v. Central Nebraska Public Power & Irrigation District*, 131 Neb. 356, 268 N.W. 334, 340, cited by appellees, where, in holding that an appropriation could not be made for application upon lands located outside the basin or watershed of a stream, the court said: "In fact, section 46-620 was in effect a substantial reenactment of section 6, art. 1, Laws 1889,[4] because it is inconceivable that its prohibitions would ever be applied to any but unused waters." Furthermore, the attempt to give section 46-620 the construction for which appellees contend would nullify the implication of the express language of section 46-132, to which reference has been made above.

It is further contended that the *Ramshorn* case and *Ide v. United States*, 263 U. S. 497, 44 S. Ct. 182, 68 L. Ed. 407, where the same rule was applied under Wyoming law, ought not to be followed in the present situation, in view of the declaration in the subsequent case of *Ickes v. Fox*, 300 U.S. 82, 57 S. Ct. 412, 81 L. Ed. 525, that, in any project under the Reclamation Act, the United States is simply a carrier and distributor of the appropriated waters and that the landowners are the actual owners of the water rights. This, however, is a mere restatement of the provision in the Reclamation Act, 32 Stat. 390, 43 U.S.C.A. §372, that "The right to the use of water acquired

[4]Neb. Laws of 1889, Ch. 68, Art. 1, § 6, provided: "The water appropriated from a river or stream shall not be turned or permitted to run into the waters or channel of any other river or stream than that from which it is taken or appropriated."

under the provisions of the reclamation law shall be appurtenant to the land irrigated, and beneficial use shall be the basis, the measure, and the limit of the right". This statutory provision also was in effect at the time of the decisions in the *Ramshorn* and *Ide* cases, and *Ickes v. Fox* neither conflicts with, nor contains any modification of, the rule which they announce.

[16] Further than this, under the law of Nebraska, and without reference to the Reclamation Act or *Ickes v. Fox, supra,* all appropriations made in that state since 1895 have always been inseparably appurtenant to the land for which the appropriation was made and to which the water is applied. The appropriation of the United States here involved was made in 1904. At all times since 1895, there has been on the statute books of Nebraska an equivalent provision to that which is now contained in section 46-109, Comp. St. 1929: "It is hereby expressly provided that all water distributed for irrigation purposes shall attach to and follow the tract of land to which it is applied." Hence, the right of the United States under the law of Nebraska to recapture the seepage waters from a reclamation project, as declared in the *Ramshorn* case, has never rested upon the premise that the United States was the actual owner of the waters appropriated and diverted. In Nebraska, as a matter of fact, neither the appropriators for an irrigation project or canal nor the owners of the lands served thereby have title to the diverted waters. Ownership of public waters in that state at all times remains in the public, and "it is the use thereof only that may be appropriated". *State ex rel. Cary v. Cochran,* 138 Neb. 163, 292 N.W. 239, 247.

[17] In the sense that the right to the beneficial use of such waters attaches to and follows the lands under the project or canal to which application is made, the appropriative rights may be said to belong to the landowners. This right to the beneficial use on the part of a landowner is, therefore, in the nature of a vested right. But the owner of the irrigation project or canal also has an interest in such appropriative rights, by virtue of the fact that the statute permits him to make the appropriation and diversion, that the maintenance of such appropriative rights is necessary in accomplishing the purpose of the project or canal, and that the law imposes certain duties and obligations upon him in the carriage, distribution, and conservation of the diverted waters. This interest clearly is such as to entitle him to take any necessary steps to protect the scope of the rights conferred by the state appropriation statutes, not merely in representatively securing and protecting the full measure of beneficial use for the landowners under the project or canal, but also in effecting generally the object of the project or canal as an enterprise.

[18] The argument is made that since the United States has divided the reclamation project here involved into several divisions, which have been completed at different times, the seepage waters from

the lands in one division ought not in any event to be permitted to be recaptured for use upon the lands of another division. It appears that the lands in Nebraska lying under the reclamation project—the project itself covering lands in both Wyoming and Nebraska—have been permitted to be organized into public corporations under the laws of Nebraska, known as the Pathfinder Irrigation District, the Gering-Ft. Laramie Irrigation District, and the Northport Irrigation District, and that the United States has turned over to each of such Districts the operation of the canal and laterals for the irrigation of the lands therein. The seepage waters here in question come from the lands in the Pathfinder Irrigation District, while the lands to which the United States seeks to have them applied are located in the Northport Irrigation District. The Districts, however, are contiguous and the grouping of the lands into such divisions is simply a matter of mechanical organization and administrative convenience, in the sound development of the project as a whole. The reservoirs and diversion works, by means of which the waters are supplied, remain in the control of the United States.

The contention that each District or division should be treated as a separate unit in determining the scope of the rights in the waters applied to the lands under the project rests upon a provincial view as to the real nature and object of a reclamation project, and it fails to take into account the fact that the State has itself recognized the unity and integration of the project by making possible and allowing a single appropriation to be made for the benefit of all the lands thereunder.

The fact that the Northport division of the project was not completed until several years after the other two divisions is not of any significance on the question here involved, since the State has at no time attempted to claim that the benefits of the original appropriation became lost to the lands in the Northport division, by the delay and as a matter of legal abandonment.

[19, 20] It necessarily follows from what has been said that the scope of the appropriative rights in connection with a federal reclamation project must be regarded as being the same, under the law of Nebraska, as those in connection with any irrigation canal, and that this includes the right, by proper means, to collect seepage waters from any part of the lands, and to reapply them upon other lands within the project and under the appropriation. Here, the drains involved were developed for the express purpose of collecting and removing the seepage. The right to the use of seepage waters is not affected by the size or area of the land covered by the appropriation, where the state irrigation authorities have approved the making of the appropriation for the lands as a body. In fact, the right to the use of such waters is probably of far greater importance in accomplishing the purpose of a general reclamation project, such as is here

involved, than in merely carrying on the commercial operations of an ordinary irrigation canal.

All these facts seems to us to have been impliedly recognized by the Nebraska legislature in the provision of section 46-628, Neb. Comp. St. 1929 (first enacted, in substantially similar form in 1911, Neb. Laws of 1911, Ch. 151), that "The United States of America is hereby authorized, in conformity to the laws of the State of Nebraska, to appropriate, develop and store any unappropriated, flood or unused waters, *in connection with any project constructed by the United States* pursuant to the provisions of an act of congress approved June 17, 1902, being an act providing for the reclamation of arid lands (32 Stat. L. 388), and all acts amendatory thereof and supplemental thereto. * * *" (Italics supplied.) This language certainly evidences no intention to restrict in any respect the scope of the rights that might be acquired by the United States under a general appropriation, but rather, in a hospitable spirit, to give the fullest recognition to such rights and to their free use in the development and accomplishment of the purpose of the reclamation project. As to appropriative rights acquired by the United States prior to 1911, with the approval of the state irrigation authorities, the statute would similarly have the effect of ratifying and confirming the scope of such rights. We think, therefore, that it was the intention of the Nebraska law to allow the United States to have the benefit of all the incidents of its general appropriation, in their application to all the lands of the reclamation project as a whole.

[21] The rights thus acquired by the United States under a valid appropriation necessarily could not be impinged upon, in their basic scope, by administrative regulation or practice, such as was attempted here by the state administrative officers, since the Supreme Court of Nebraska has expressly declared that the administrative officers of the state, in regulating and controlling irrigation, perform ministerial duties only and must give full recognition to the vested rights of all appropriators. *State ex rel. Cary v. Cochran*, 138 Neb. 163, 292 N.W. 239, 241, 244. "The quasi-judicial powers conferred upon the department have application only to the granting and cancellation of appropriation rights and priorities." Page 244 of 292 N.W.

[22] Since the seepage involved was water which, under the views herein expressed, the United States was entitled to re-use upon the lands in the Northport division of its reclamation project, it necessarily was water which the Farmers' Irrigation District, under its contract of carriage with the United States, was required to carry in its canal to the Northport canal, and which the state administrative officers could not exonerate it from so carrying, by purporting to authorize the water to be diverted and used upon the lands in the Farmers' Irrigation District, as an optional diversion of public waters, in exchange for part of the natural flow water in the North Platte River to which

it would otherwise be entitled under its appropriative rights. The record satisfies us that there is no problem of particular administrative difficulty involved in the admeasurement of these seepage waters for carriage purposes.

The contention is made that the United States has been guilty of making out-of-priority diversions of natural flow waters from the North Platte River, in connection with its storage and diversion works, during the period that the state administrative officers have permitted the Farmers' Irrigation District to make optional diversions of the seepage waters from the reclamation project, and that, for this reason, injunctive relief should be denied here. These diversions were made in the State of Wyoming, where the reservoirs and dams that constitute the principal works of the reclamation project are located. The question whether appropriations from the North Platte River in Wyoming are subordinate to earlier appropriations from the same stream in Nebraska is apparently an issue in the case of *Nebraska v. Wyoming and Colorado*, now pending as an original action in the Supreme Court of the United States, in which the United States is an intervener. The legal controversy there involved will not under the circumstances be made the subject of consideration or direct resolution here. If it can be satisfactorily established that improper diversions are being made by the United States, which are wholly outside the scope of the questions presented in that case, the inequitable result of such diversions, in the present situation, upon the Farmers' Irrigation District, or in the administration of other general appropriations in Nebraska, would seem to be sufficiently controllable by the trial court through conditions imposed in the granting of the injunction to which the United States is here entitled.

We should state that we have delayed the decision of this appeal until final disposition of the case of *Drainage District No. 1 v. Suburban Irrigation District*, 298 N.W. 131, by the Supreme Court of Nebraska, in which the motion for rehearing has only recently been denied. We have done so, thinking that the opinion in that case might possibly settle the general question of seepage water rights in Nebraska. The court there has held that seepage waters, drained by means of ditches from lands which, in a state of nature, were too wet to farm, and over which surface waters were diffused, and through which subterranean waters percolated, are not public waters subject to appropriation or to administration by the state irrigation authorities for optional diversion purposes; but it did not attempt or purport to pass upon the question in its relation to seepage waters derived from the application of irrigation waters.

There is, however, nothing in the opinion in that case that in any way conflicts with the declaration in the *Ramshorn* case, or that raises the slightest doubt as to the correctness of the views there expressed. In fact, the court's decision is expressly predicated upon

the premise that only the waters of natural streams are public waters —a premise which also is the foundation of the decision in the *Ramshorn* and *Ide* cases. The opinion further applicably declares (298 N.W. at page 136): "The drainage ditches of plaintiff are strictly artificial creations. * * * These drainage ditches are not natural streams or natural water courses, and their inherent nature exclude them from the class or kind of waters to which our laws of appropriation are now applicable."

In nothing that has been said is it intended to challenge in any way the optional diversion practice adopted by the state administrative officials, but we are merely holding that such officers could not deprive the United States of the right to re-use the seepage waters here involved, under its appropriative rights, by an optional diversion practice or otherwise.

For the reasons which have been discussed above, the judgment of the District Court on the United States' first cause of action is affirmed, and the judgment on the second cause of action is reversed.

On Petition for Rehearing

[23] In a petition for rehearing, appellees earnestly argue that the acts of the United States in making certain diversions out of the North Platte River, under a Wyoming appropriation, ought to have been held to constitute such inequitable conduct, in their relation to prior appropriations in Nebraska, that the United States should in no event have been permitted to seek injunctive protection here of its right to use the seepage waters from the lands under its reclamation project in Nebraska, because of unclean hands and lack of equitable standing.

On the record before us, we could not fairly make any other disposition of that contention than has been done in our previous opinion. The priority conflict between Nebraska and Wyoming appropriations from the North Platte River is, as we have indicated, one of the questions involved in the case of *Nebraska v. Wyoming and Colorado*, pending as an original action in the Supreme Court of the United States, in which the United States is an intervener. The complexity of the controversy in that case has apparently necessitated the taking of evidence before a special master for a period of several years, and, according to the statement of counsel here, the briefing which is required will make it impossible to submit the cause to the Supreme Court before the October term, 1943.

The District Court on the trial of this case took the position that none of the issues in that controversy should, under the circumstances of the situation, be permitted to be made the subject of trial or resolution here, and counsel for all parties, on the record before us, must be held to have acquiesced in this elimination. Appellees were, however, permitted to show by one of their witness that the

United States had made diversions in Wyoming, which had operated prejudicially to prior appropriators in Nebraska, and a summary of this testimony was incorporated in one of the trial court's findings. It is on the basis of this testimony that we are now asked to declare that the United States has been guilty of inequitable conduct which should deprive it of all standing in this case.

No attempt has been made in the record and the briefs to develop the legal relationships involved in the priority conflicts between appropriations from the North Platte River made under Nebraska and Wyoming law, so that, if we were to ignore the trial court's initial limitation on the questions to be considered and the acquiescence of counsel therein, we would still be unable to reach the conclusion for which appellees contend, without blindly closing our eyes to the possible existence of other relevant facts and to a consideration of the legal positions underlying the conflicts over appropriation priorities between the two states. A court of equity would hardly, in a situation of such public importance, undertake thus casually to deny a suitor's equitable standing—if indeed the equitable maxim which appellees seek to invoke can at all be regarded as having application in the present case, in view of the nature of the rights involved and the parties affected by the result.

On the record before us, we find no merit in either this or any of appellees' other contentions in the petition for rehearing, and the petition is accordingly DENIED.

STATE, EX REL. PLATTE VALLEY IRRIGATION DISTRICT, APPELLANT, v. ROY L. COCHRAN, GOVERNOR, ET AL., APPELLEES.
297 N.W. 587

Filed April 9, 1941. No. 31114.

1. **Mandamus.** It is only when there is no room for controversy as to the right of the applicant, and when from the nature of the facts set forth in the supporting affidavit a court can take judicial knowledge that a valid excuse cannot be given, that a peremptory writ of mandamus may issue without notice.
2. ————. When it does not clearly appear that a valid excuse cannot be given, a court has no power to issue a peremptory writ of mandamus without notice, and a writ so issued is void.
3. ————. An action to obtain a writ of mandamus is not begun until a motion and affidavit, or a petition verified positively, is filed in the district court, and a notice that the writ would be applied for a certain time and place, before any papers have been filed, confers no jurisdiction to issue a peremptory writ in a case where notice is required.

APPEAL from the district court for Lincoln County: ISSAC J. NISLEY, JUDGE. *Affirmed.*

Hoagland, Carr & Hoagland, for appellant.

Walter R. Johnson, Attorney General, and *John Riddell, contra.*

Beeler, Crosby & Baskins, amici curiae.

Heard before SIMMONS, C. J., ROSE, EBERLY, PAINE, CARTER, MESSMORE and YEAGER, J. J.

CARTER, J.

This is an appeal by the relator from an order of the district court for Lincoln county vacating and setting aside a peremptory writ of mandamus.

The record shows that relator filed an affidavit and petition for a peremptory writ of mandamus on August 14, 1940, alleging that it was the owner of an appropriation of water from the North Platte river for irrigation purposes for 300 cubic feet of water per second of time with a priority date of May 31, 1884. It is alleged that the governor, state engineer and chief of the bureau of irrigation, the officers charged by law with the supervision and control of the public waters of the state, have failed and neglected, and on the date of the filing of the affidavit and petition failed and neglected, to enforce the irrigation laws of the state by requiring junior appropriators of water on the North Platte river and its tributaries above the headgate of the relator irrigation district to close their headgates and canals to permit the water of the stream to flow down to the intake of relator's canal, thereby depriving relator of irrigation water to which it was entitled by virtue of its appropriation. Among the junior appropriators alleged to be wrongfully taking water from the stream is the Platte Valley Public Power and Irrigation District, which will be referred to as the public power district. The public power district has appropriations dated January 13 and February 8, 1934, and March 8, 1937. In order to divert its appropriation from the stream, a diversion dam was constructed at Keystone, Nebraska, on the North Platte river above the headgates of the irrigation district. The affidavit and petition state that demands were made upon the bureau of irrigation to release the water above the public power company's diversion dam prior to the filing of the petition and that such demands were refused. The affidavit and petition were thereupon filed and a peremptory writ of mandamus granted without notice on August 14, 1940. The writ directed the respondents to immediately issue an order, releasing to the relator irrigation district a continuous flow of 100 cubic feet of water per second of time from the public power company's diversion dam as long as there is any quantity of water behind the diversion dam, in addition to the natural flow of the stream, until such time as relator's appropriation is procured at its headgate from other sources. The writ was served on the respondents on August 15, 1940. On August 23, 1940, the court, on its own motion, vacated and set aside the peremptory writ of mandamus. On August 24, 1940, relator

moved to vacate the order of August 23, 1940. The motion was overruled on the day it was filed and an appeal taken to this court.

It is the contention of the respondents that the court did not have authority to enter the peremptory writ of mandamus on August 14, 1940, without notice to the respondents. It is provided by section 20-2159, Comp. St. 1929, as follows: "When the right to require the performance of the act is clear, and it is apparent that no valid excuse can be given for not performing it, a peremptory mandamus may be allowed in the first instance. In all other cases, the alternative writ must be first issued." This statute was discussed in *Horton v. State*, 60 Neb. 701, 84 N.W. 87, as follows: "This statute undoubtedly provides for the issuance of the peremptory writ without notice where the court or judge can clearly see that the refusal of the respondent to perform some duty resulting from his office, trust or station, can admit of no possible justification. Cases may arise in which the refusal of a public officer to discharge an official duty is so obviously inexcusable and the necessity for prompt action so imperative that notice must be dispensed with in order to prevent a failure of justice. In this class of cases the respondent loses nothing by the judgment and no right secured to him by either the state or federal Constitution is infringed."

We are convinced that the allegations of the affidavit and petition are not such that the trial court could assume them to be indisputable. As was said in *State v. Harrington*, 78 Neb. 395, 110 N.W. 1016: "It is only where there is no room for controversy as to the right, and where from the nature of the facts set forth in the affidavit the court can take judicial knowledge that a valid excuse is impossible, that a writ may issue without notice." We think the allegations of the affidavit and petition admit of controversy. In the first place, relator's appropriation can be taken only from the natural flow of the stream during the irrigation season. It is altogether possible that the waters behind the public power company's diversion dam were accumulated during the nonirrigation season, in which relator would have no right by virtue of his appropriation. It is likewise possible that a usable quantity of water might not reach relator's headgate, even if the water were released in accordance with the writ. Other persons, not parties to the suit, might well have interests superior to those of relator, which respondents are obligated to protect. In such cases, where it is impossible for the district court to have knowledge that no valid excuse could be given for not performing the alleged duty, no power exists to issue a peremptory writ without the respondent having been notified of the pending proceedings.

Notice of intention to apply for a peremptory writ of mandamus is not sufficient notice. An action to procure such a writ is not begun until a motion and affidavit, or a petition verified positively, have been filed. The notice required must be given thereafter of the pen-

dency of the application and of the time and place where it will be heard. *State v. Harrington*, 78 Neb. 395, 110 N.W. 1016. The issuance of a peremptory writ in a case requiring notice is of no force and effect. The trial court apparently recognized its error in issuing a peremptory writ, and on its own motion set the order aside. The trial court not only had the power to do this, but it was its duty to do so.

The judgment of the trial court is affirmed.

AFFIRMED.

DRAINAGE DISTRICT NO. 1 OF LINCOLN COUNTY, APPELLEE, V. SUBURBAN IRRIGATION DISTRICT, ET AL., APPELLANTS
298 N.W. 131

Filed May 2, 1941. No. 31075

1. **Courts.** "If a judge makes an erroneous ruling and afterwards in the trial of the case, with more exhaustive investigation of the question, finds his first ruling is wrong, he should not be bound by it. The principle of *res adjudicata* does not apply. The first ruling does not become the law of the case so as to bind the court in the further proceedings therein. The court remains the same whether the *personnel* changes or not." *Perry v. Baker*, 61 Neb. 841, 86 N. W. 692.
2. **Syllabus 1 in** *Marvin v. Weider*, 31 Neb. 774, 48 N. W. 825, is overruled. Syllabus 1 in *Perry v. Baker*, 61 Neb. 841, 86 N. W. 692; *Tiernan v. Miller & Leith*, 69 Neb. 764, 96 N. W. 661, relating thereto; and syllabus 1 in *Follmer v. State*, 94 Neb. 217, 142 N. W. 908, adhered to and approved.
3. **Waters.** Prior to 1920, the established doctrine in this state was that "The common-law rules as to the rights and duties of riparian owners are in force in every part of the state, except as altered or modified by statutes." *Meng v. Coffee*, 67 Neb. 500, 93 N. W. 713.
4. ———. Rights of irrigation in Nebraska have their foundation and source in statutory enactments and constitutional provisions. They exist only as thus created and defined, and are necessarily limited in their scope by the language of their creation.
5. ———. The terms of the applicable statutes in the instant case, as well as constitutional provisions, limit the right of appropriation for irrigation purposes to the waters of the "natural streams" of the state.
6. **Eminent Domain.** The drainage ditches constructed and maintained by Drainage District No. 1 of Lincoln county, Nebraska, are established by the evidence to be strictly artificial constructions and creations. The waters which are contained therein and carried thereby have their sources in the low-lying lands they drain, which, in a state of nature, were too wet to farm and over which surface waters were diffused and through which subterranean waters percolated. The waters in such drainage ditches are not subject to legal appropriation under our irrigation laws as waters of "natural streams."

APPEAL from the district court for Lincoln county: J. LEONARD TEWELL and ISAAC J. NISLEY, JUDGES. *Affirmed.*

Hoagland, Carr & Hoagland, for appellants.

Beeler, Crosby & Baskins, contra.

Heard before SIMMONS, C. J., EBERLY, PAINE, MESSMORE and YEAGER, JJ., and LANDIS and MUNDAY, District Judges.

EBERLY, J.

The appellee in this action, who will hereafter be referred to as plaintiff, is Drainage District No. 1 of Lincoln county, Nebraska, and is a public corporation organized under the provisions of our statutes, which now appear as article 4, ch. 31, Comp. St. 1929. In the early twenties it constructed, and has since maintained, certain drainage ditches some thirty miles in length in and through a narrow projection of land that separates the North Platte and South Platte rivers in Lincoln county, Nebraska. The ditches maintained by plaintiff are strictly of artificial construction. They do not have sources in running streams or public waters but drain low-lying lands, in their natural state too wet for farming, of accumulated surface waters diffused thereon and thereover, and of subterranean waters percolating therethrough.

The Suburban Irrigation District, a defendant and appellant, hereinafter referred to as defendant, is a public corporation organized under and by virtue of the irrigation laws of the state of Nebraska, and the members of its board of directors are also named as defendants and appellants.

This is an equity action to determine whether or not the defendant has the lawful right by eminent domain to place obstructions, dams or checks in the drainage ditches of plaintiff, and thereby divert therefrom waters carried therein into the irrigation canal of defendant under an optional diversion permit and appropriation granted by the proper state authorities under date of October 17, 1938.

This is a companion case to *Drainage District No. 1* v. *Suburban Irrigation District* (No. 31001) ante, p. 333, 297 N. W. 645, in which, by an opinion adopted by this court, the defendant, under the facts contained in the record of that case, was, in effect, enjoined from constructing or maintaining checks or dams in the drainage ditches here in suit, and required to remove from said ditches a check by it constructed, and also enjoined from diverting the waters thereof into its irrigation ditch. Reference is hereby made to the opinion in the case above cited for a description of the terrain involved, the ditches maintained by each of said parties and the mutual intersections thereof, all of which also constitute the *locus in quo* in the instant proceeding.

The record discloses that the final decree enjoining the defendant in case No. 31001 was entered by the district court for Lincoln county on December 12, 1938. At a later date said judgment was superseded by defendant filing a proper bond as provided by law. On February 19, 1940, defendant presented to the county judge of Lincoln county a petition and application to appropriate property by eminent domain, the purpose of which was, according to this pleading, "to acquire the right to use the right of way and the drainage

canal of Drainage District No. 1 at a point on said section 25 approximately 1,200 feet east of the west line of said section 25, township 14, range 32 in Lincoln county, Nebraska; to maintain a check in the flume now constructed and in use at said point by the Suburban Irrigation District; and to acquire the right of way and use of the drainage canal of Drainage District No. 1 and to maintain the same for a distance of approximately 5,000 feet west of said point 1,200 feet east of the west line of said section 25; to place timbers or other materials in said checks at said point; and to divert the waters from said drainage canal into the irrigation canal of the petitioner. Said checks to be used in said drainage canal between the 1st day of April of each year and the 1st day of December of each year and said checks to be released at other times during said year; to acquire the right of the use of the right of way and canal of Drainage District No. 1 for such purposes for a distance of 5,000 feet west of said checks in sections 25 and 26, township 14, range 32 in Lincoln county, Nebraska, and to keep and maintain said drainage canal for such purposes in a manner that will not interfere with the use of said drainage canal for the purposes for which it was constructed by the said Drainage District No. 1."

On March 7, 1940, plaintiff instituted the present action in the district court for Lincoln county, Nebraska, by filing therein its petition challenging the right of defendant to the relief demanded in its condemnation proceeding hereinbefore referred to, and praying that the defendant be enjoined from placing obstructions in plaintiff's drainage ditches, and that defendant be enjoined from proceeding with such condemnation proceeding, and for general relief. On the filing of this petition a restraining order was issued by the district court restraining the proceeding in which defendant was engaged, and, in addition, the hearing on the application for temporary injunction was set down for March 22, 1940, at 9 o'clock a. m. Thereafter defendant on March 15, 1940, filed its answer joining issue with plaintiff. On March 22, 1940, pursuant to former order of this district court, the matter of the restraining order theretofore issued and the application for temporary injunction was heard by the district court for Lincoln county, and that court, on March 23, 1940, entered an order, by Honorable I. J. Nisley, district judge presiding, "that the temporary injunction be and the same is hereby dissolved and is no more continued in force and effect and the injunction is hereby dismissed at the costs of the plaintiff." The transcript in this case, which imports absolute verity, discloses that at the time of this hearing the time for filing the plaintiff's reply had not elapsed and the issues on the merits had not been made up; that no temporary injunction had as yet been issued, and that the restraining order of March 7, 1940, and the application for a temporary injunction were all that was then presented, or all that it was possible to present, to the district court

for determination. From a consideration of the entire record, it fairly appears that the effect of the order made on March 23, 1940, was to set aside the restraining order and to deny the issuance of the temporary injunction applied for. On March 30, 1940, defendant filed in the district court its motion that the court "enter a final order of dismissal in this action. * * * In the event that the court does not enter the order of dismissal * * * the defendants move the court to require the plaintiff to file their reply instanter * * * and that the court set this case down for final trial and hearing before the court at once," etc. On the same day the court entered its order, by Honorable I. J. Nisley, district judge, presiding, "that said motion be and the same hereby is overruled. The matter then came on for hearing upon the matter of whether said cause should be set for trial, and after consideration it is ordered that the matter be taken under advisement by the court." The record further discloses that on May 15, 1940, with Honorable J. L. Tewell, district judge, presiding, "The same being one of the days of the regular May, 1940, term of the district court in and for Lincoln county, Nebraska, the above entitled matter came on for hearing before the court, having been assigned for trial on this date, and upon application of the plaintiff to withdraw its motion to strike from the answer of the defendant, and for leave to file a reply instanter, and the court being fully advised in the premises, grants said leave." Whereupon the parties announced that they were ready for trial. The record discloses that plaintiff filed formal reply on May 15, 1940. At the conclusion of this trial, on May 16, 1940, the district court entered a decree for plaintiff including a finding "that by virtue of said facts (recited in this decree), and by virtue of the laws of the state of Nebraska, all condemnation proceedings had by the defendant and involved herein are wholly void, on account of having been had without any legislative authority to take the same." In this decree the court permanently enjoined defendants as prayed in plaintiff's petition. From the order of the trial court overruling the motion for a new trial, the defendants appeal.

Of the many contentions presented under this record we find two are controlling, and to them we will devote our attention.

The first is that the action taken by Judge Nisley, as disclosed by the record sketched above, in effect deprived Judge Tewell, who presided at the regular May, 1940, term of that court, of jurisdiction to make any orders in or try said cause, without Judge Nisley's consent.

It is true that in this district we have two district judges of coequal powers. Nevertheless, the order made by the court is the order of the court, not of the particular judge, and it may later be reviewed by the court though its personnel may have changed. It is to be noted that the order entered on March 30, 1940, in response to

that part of defendant's motion that the court set this case down for final trial and hearing before the court is, "that the matter be taken under *advisement by the court.*" "Advisement" is defined by a law dictionary as, "Consideration; deliberation; consultation. 'Upon deliberate advisement, we are of opinion,' etc. *In re Hohorst*, 150 U. S. 662, 14 S. Ct. 221, 37 L. Ed. 1211." 1 Bouvier's Law Dictionary, p. 155. Wherein does this order of the court pertaining to "advisement by the court" either expressly or by necessary implication preclude "consideration, deliberation, consultation" with reference thereto by Judge Tewell of that court and a final determination thereof by him at a subsequent term. It appears, however, that the orders entered by Judge Nisley on March 22 and 30, 1940, were not final orders, and in no matter interfered with a full and complete determination of the cause on the merits by Judge Tewell. *Manning v. Connell*, 47 Neb. 83, 66 N. W. 17; *Young v. City of Albion*, 77 Neb. 678, 110 N. W. 706; *Barkley v. Pool*, 102 Neb. 799, 169 N. W. 730; *Bartram v. Sherman*, 46 Neb. 713, 65 N. W. 789; *Stansbury v. Storer & Ellis*, 3 Neb. (Unof.) 100, 91 N. W. 147.

Defendant cites, as sustaining its contention on this part of the record, *Marvin v. Weider*, 31 Neb. 774, 48 N. W. 825, and *Western Newspaper Union v. Dee*, 108 Neb. 303, 187 N. W. 919. We are convinced that the doctrine of the *Dee* case is wholly inapplicable to the record before us. The *Marvin* case has been thrice overruled in this jurisdiction. The true rule is not as stated in the first paragraph of the syllabus of the *Marvin* case, but as stated in the body of the opinion in *Perry v. Baker*, 61 Neb. 841, 86 N. W. 692, as follows: "If a judge make an erroneous ruling and afterwards in the trial of the case, with more exhaustive investigation of the question, finds his first ruling is wrong, he should not be bound by it. The principal of *res adjudicata* does not apply. The first ruling does not become the law of the case so as to bind the court in the further proceedings therein. The court remains the same whether the *personnel* changes or not. So far as a different rule was announced in *Marvin v. Weider*, *supra*, that case ought to be overruled." See, also, *Tiernan v. Miller & Leith*, 69 Neb. 764, 766, 96 N .W. 661, and *Follmer v. State*, 94 Neb. 217, 142, N. W. 908.

In addition, in the instant proceeding, it is disclosed that the case was regularly set down for trial at the regular May, 1940, term of the court; the district court regularly convened; the case was called; the issues completed in open court; both parties announced themselves ready for trial; the defendant then presented no challenge to the competency of Judge Tewell to preside and hear this contest, and no question was raised in reference thereto until after the trial was had and the decree rendered. If there was a valid objection to Judge Tewell's right to preside, it certainly had been waived by this conduct of the defendant.

As presented at the bar of this court the second and controlling

question in this case is, does the irrigation district have the right of eminent domain to place obstructions and dams in plaintiff's drainage ditches, where they were not contemplated in the original plan of construction, and from what source and how does the irrigation district become vested with power to use and appropriate the water out of such drainage ditches?

It is to be remembered that Nebraska was first settled along the eastern borders and in its river valleys. These lands were not arid lands, nor, indeed, may the entire state be properly designated as an arid state.

Accordingly, in 1866, there was duly enacted by the territorial legislature, as section 1, chapter VIII of the Revised Statutes of that year, the following: "So much of the common law of England as is applicable, and not inconsistent with the Constitution of the United States, with the organic law of this territory, or with any law passed or to be passed by the legislature of this territory, is adopted, and declared to be law within said territory." 2 Complete Session Laws of Nebraska, 1866-1877, p. 12. This act, in substance, continues in full force and effect. Comp. St. 1929, sec. 49-101.

In compliance with the terms of this enactment, this court has consistently supported this doctrine: "The common-law rules as to the rights and duties of riparian owners are in force in every part of the state, except as altered or modified by statutes." *Meng v. Coffee*, 67 Neb. 500, 93 N. W. 713. See, also, *Crawford Co. v. Hathaway*, 67 Neb. 325, 93 N. W. 781.

This being the fundamental and historical basis of water rights in Nebraska, the system of irrigation which was a subsequent development of our law has its foundation and source in statutory enactments and constitutional provisions. Rights of irrigation in this state only exist as thus created and defined, and are necessarily limited in their scope by the language of their creation. Our first enactment on the subject of irrigation was chapter 68, Laws of 1889. This act, entitled "An act to provide for water rights and irrigation, and to regulate the right to the use of water for agricultural and manufacturing purposes," etc., embraced a complete drainage code. It is to be noted that section 1, art. I of this act, provided: "The right of the use of running water, flowing in a river or stream or down a canyon, or ravine, may be acquired by apropriation by any person or persons, company or corporation organized under the laws of the state of Nebraska; *Provided*, that in all streams not more than fifty feet in width, the rights of the riparian proprietors are not affected by the provisions of this act."

This act, amended in 1893, was repealed in 1895, and chapter 69 of the session laws of that year enacted in lieu thereof. This 1895 act described the sources and extent of water dedicated and set apart for irrigation as follows:

"Sec. 42. The water of every natural stream not heretofore appropriated, within the state of Nebraska, is hereby declared to be the property of the public, and is dedicated to the use of the people of the state, subject to appropriation as heretofore provided.

"Sec. 43. The right to divert unappropriated waters of every natural stream for beneficial use shall never be denied. Priority of appropriation shall give the better right as between those using the water for the same purposes but when the waters of any natural stream are not sufficient for the use of all those desiring the use of the same, those using the water for domestic purposes shall have the preference over those claiming for any other purpose, and those using the water for agricultural purposes shall have the preference over those using the same for manufacturing purposes." Laws 1895, ch. 69.

These sections were substantially incorporated in our Civil Administrative Code. See Laws 1919, ch. 190, title VII, art. V, div. 1.

The Nebraska constitutional convention in 1920 amended the Nebraska irrigation provisions to read as follows: Const. art. XV, secs. 4, 5 and 6.

"Sec. 4. *Water a Public Necessity.* The necessity of water for domestic use and for irrigation purposes in the state of Nebraska is hereby declared to be a natural want.

"Sec. 5. *Use of Water Dedicated to People.* The use of the water of every natural stream within the State of Nebraska is hereby dedicated to the people of the state for beneficial purposes, subject to the provisions of the following section.

"Sec. 6. *Right to Divert Unappropriated Waters.* The right to divert unappropriated waters of every natural stream for beneficial use shall never be denied except when such denial is demanded by the public interest. Priority of appropriation shall give the better right as between those using the water for the same purpose, but when the waters of any natural stream are not sufficient for the use of all those desiring to use the same, those using the water for domestic purposes shall have preference over those claiming it for any other purpose, and those using the water for agricultural purposes shall have the preference over those using the same for manufacturing purposes. Provided, no inferior right to the use of the waters of this state shall be acquired by a superior right without just compensation therefor to the inferior user."

These sections, so changed, were submitted to the electorate on the official ballot under the title or designation: "To add sections 4, 5 and 6 to article XIV. Defines priority rights in water."

In the formal address of this constitutional convention to the people of Nebraska these proposed amendments were explained as follows:

"They declare water for domestic use and for irrigation, a natural

want; dedicate the use of the waters in the natural streams of the state to the people; grant the right to appropriate the same for beneficial use, except in cases where the public interest requires a denial thereof; recognize the right of prior appropriation subject to the principles that water used for domestic purposes is the superior use, irrigation second, and power third, and provide that the superior user cannot take from the inferior user, without just compensation therefor.

"The purpose of the new sections designated as numbers 4, 5 and 6 and submitted as No. 35 on the ballot is to define the use of water and place the same under constitutional protection, to which, owing to its importance in the development of the agricultural interests of the state, it is entitled." Proceedings of the constitutional convention, 1919-20, vol. 2, p. 2850.

On this basis, these articles were formally adopted by the electorate at the ensuing election.

From the history of our irrigation laws and constitutional provisions, it clearly appears that the expressed purpose of our lawgivers, as now existing, is to limit the right of appropriation for irrigation to the waters of the "natural streams" of the state. No others are embraced in the public dedication thus made.

The drainage ditches of plaintiff are strictly artificial creations. The sources of the waters these ditches contain and carry are in the low-lying lands they drain, which in the state of nature were too wet to farm and over which surface waters were diffused and through which subterranean waters percolated.

The evidence is uncontradicted that for more than ten years there has been no "seeped" lands within plaintiff district. And we are not herein in any manner or to any degree considering or determining the question of irrigation drains constructed or improved for the purpose of carrying the flow from "seeped lands" where such seeped condition was caused by or due to the presence of irrigation ditches and the irrigation waters carried thereby. This question is not before us, is not adjudicated, and this decision may not rightly be cited as determinative thereof.

These drainage ditches are not natural streams or natural watercourses, and their inherent nature excludes them from the class or kind of waters to which our laws of appropriation are now applicable. Not being subject to appropriation for irrigation purposes, the attempt to secure them for the defendant by the exercise of the right of eminent domain was unauthorized by our present laws and wholly ineffective. The proceedings before the county judge under the statutes of eminent domain are void, and the permit granted by the authorities of the state conferred no rights.

It follows that the district court, in the decree entered by it in this case denying the exercise of the power of eminent domain and

protecting plaintiff's rights in its property, was correct, and the judgment is

AFFIRMED.

PLATTE VALLEY IRRIGATION DISTRICT V. TILLEY

Filed August 7, 1942. No. 31319

1. "An action against a public officer for any neglect of official duty must, under the provisions of section 20-404, Comp. St. 1929, be brought in the county where the cause or some part thereof arose." *State v. Cochran*, 138 Neb. 163, 292 N. W. 239.
2. A suit to obtain an injunction, and the establishment of the relative rights of the parties to the action, against the executive and administrative officers of the state to compel the enforcement of appropriative water rights according to priority by restraining unlawful diversions by junior appropriators is properly brought in the county where the damages occurred.
3. Where a court has jurisdiction of the subject-matter of an action and obtains service of summons upon a defendant amenable to service in that county, who has a substantial interest in the subject of the suit adverse to plaintiff, a summons may properly issue to a defendant public corporation domiciled in another county.
4. Ordinarily, a suit to determine the relative rights of the parties will be determined as of the time of commencement of the action. The fact that a default no longer exists at the time of trial will not require a dismissal where the decision may affect similar future acts.
5. The granting of an appropriation by the state, which includes the right to construct a diversion dam in the river, carries with it the incidental right to impound unappropriated waters behind the dam to facilitate the diversion of water under its appropriative right.
6. Where it appears that the pondage so held was captured during the nonirrigation season, or from waters not usable for irrigation purposes during the irrigation season, a senior irrigation appropriator is not entitled to its release for irrigation purposes as a part of the natural flow of the stream.
7. Under the circumstances shown, the rights of an appropriator for power and storage purposes will not be jeopardized by its refusal to obey an order of the bureau of irrigation to release pondage behind its dam where it appears that such order was not in accord with priority rights and was coerced by a void peremptory writ of mandamus.
8. A senior appropriator of public waters has a prior right over all junior appropriators so long as water can be delivered to its headgate in usable quantities.
9. The obtaining of irrigation water by the procurement of a restraining order enjoining the closing of the headgate of a canal ordered closed by the bureau of irrigation will be treated as a condition and the waters remaining will be administered according to priority.
10. The securing of restraining orders by filing injunction suits in bad faith is hereby condemned as an intolerable menance to the orderly administration of the appropriated waters of the state.
11. Violations of the orders of the bureau of irrigation by other appropriators do not furnish a basis for injunctive relief by a junior appropriator where the effect of such injunction is to deprive a senior appropriator of his prior right to water.

12. An injunction order obtained by a junior appropriator against officers charged with administering the appropriated waters of a stream can have no effect against an injunction procured by a senior appropriator in which the junior appropriator and administrative officer of the state have been made parties to the suit.
13. A junior appropriator who takes water contrary to the closing orders of the bureau of irrigation, and without regard to priority, may be enjoined at the instance of an injured senior appropriator.
14. It is the duty of the bureau of irrigation, if its closing orders be not obeyed, to shut and lock the headgate of an offending appropriator of public waters.
15. The bureau of irrigation may not, without shutting and locking the headgates of offending appropriators, sit by and permit unlawful diversions of water with impunity.
16. In a suit for general equity relief by a senior appropriator against junior appropriators, the court should determine and declare the relative rights of the parties and render a decree making effective the enforcement of the rights thus found to exist.

Heard before SIMMONS, C. J., ROSE, EBERLY, PAINE, CARTER, MESSMORE and YEAGER, JJ.

CARTER, J.

This is a suit in equity to compel the officials of the bureau of irrigation, the Platte Valley Public Power and Irrigation District, and numerous junior appropriators of water from the North Platte river, to respect plaintiff district's priority of appropriation, to enjoin unlawful diversions of water to which the plaintiff district as a senior appropriator is entitled, and to secure a decree establishing the relative rights of the parties to the waters of the North Platte river. The trial court found for the defendants and dismissed the action. The plaintiffs appeal from the judgment of dismissal.

The Platte Valley Irrigation District, which will hereafter be referred to as the plaintiff district, has an appropriation for irrigation from the North Platte river of 300 second-feet of water with a priority date of May 31, 1884. There is no dispute among the parties that plaintiff district was entitled to receive 191 second-feet of water to irrigate approximately 14,000 acres of land within its district during the irrigation season of 1940, the irrigation season involved in this suit. The plaintiffs Milton H. Fry, William D. Eshleman and Paul Koch are owners of irrigated farm lands within the plaintiff district and are entitled to the beneficial use of a portion of the waters appropriated by the plaintiff district. It is not questioned that the plaintiff district has an appropriation for irrigation prior in time to that of any of the appropriators of the waters of the North Platte river that have been made parties to this litigation.

The defendant Platte Valley Public Power and Irrigation District, hereinafter referred to as the defendant power district, maintains a diversion dam in the North Platte river about 30 miles above plaintiff district's headgate for the purpose of diverting water from the river into its storage reservoir, then through its hydroelectric generat-

ing plant and back to the river. Its only appropriation of natural flow is for power purposes, subject to the rights of prior appropriators. It is claimed by the plaintiff district that the defendant power district is without authority to impound the waters of the river behind its diversion dam when they are needed by prior appropriators for irrigation purposes.

The defendants Winters Creek Canal Company, Castle Rock Irrigation District, Enterprise Irrigation District, Minatare Mutual Canal & Irrigating Company, Central Irrigation District, Bridgeport Irrigation District, Alliance Irrigation District, Lisco Irrigation District, Chimney Rock Irrigation District, Farmers Irrigation District, Nine Mile Irrigation District, Ramshorn Irrigation District, Browns Creek Irrigation District and the Short Line Irrigation District, are public corporations organized under the irrigation laws of the state, holding appropriations of water from the North Platte river for irrigation purposes junior in point of time to that held by the plaintiff district. When mentioned as a group they will hereafter be referred to as the defendant irrigation districts, otherwise by the names hereinbefore used. The defendant irrigation districts are charged generally with unlawful diversions of water belonging to the plaintiff district contrary to the orders of the bureau of irrigation, thereby depriving plaintiffs of the water to which they are entitled.

The defendants Roy L. Cochran, Governor of Nebraska in 1940. Dwight Griswold, Governor of Nebraska when the case was tried, Albert C. Tilley, secretary of the department of roads and irrigation, and state engineer in 1940, Wardner G. Scott, secretary of the department of roads and irrigation, and state engineer when the case was tried, and Robert H. Willis, at all times herein mentioned the chief of the bureau of irrigation, hereafter referred to as the defendant state officers, were made parties defendant because of their alleged failure to administer the waters of the river in accordance with the priority rights of the parties, and against whom the plaintiffs demand a mandatory injunction to compel the enforcement of the rights of the parties according to priority.

The defenses of the parties defendant will be discussed in connection with the evidence adduced and will not be quoted with particularity in this part of the opinion. It is a decision upon these questions, in connection with the evidence with reference thereto, together with a determination of the relative rights of all the parties, that is presented by the record in this case.

Each of the defendants appeared specially and objected to the jurisdiction of the court over said defendants. The question has been previously determined by this court. In *State v. Cochran*, 138 Neb. 163, 292 N. W. 239, this court said: "An action against a public officer for any neglect of official duty must, under the provisions of section 20-404, Comp. St. 1929, be brought in the county where the cause

or some part thereof arose." It was therein determined that the cause of action, in a case similar to the one at bar, arose in the county where the resulting damages occurred. In *Loup River Public Power District v. North Loup River Public Power and Irrigation District, ante,* p——, —— N.W. (2d)——, this court in reaffirming the decision in *State v. Cochran, supra,* said: "A suit for an injunction, and the establishment of the relative rights of the parties incident thereto, against the executive and administrative officers of the state to compel the enforcement of appropriative water rights by restraining unlawful diversions of water by junior appropriators is properly maintainable in the county where the resulting damages occur." We necessarily conclude that the defendant state officers, charged with negligence in the performance of their administrative duties, could properly be subjected to the jurisdiction of the district court for Lincoln county, the county where the damages occurred.

It is further urged by some of the defendant irrigation districts that as public corporations they could not be subjected to suit except in the county of their domicile. This question was also determined in *Loup River Public Power District v. North Loup River Public Power and Irrigation District, supra,* wherein we said: "Where a court has jurisdiction of the subject-matter of an action, and obtains service of summons upon a defendant properly amenable to service in that county and having a substantial interest in the subject of the suit adverse to plaintiff, a summons may properly issue to a defendant public corporation domiciled in another county, under the provisions of section 20-504, Comp. St. 1929." Under the authorities cited, the district court for Lincoln county obtained jurisdiction over the persons of all the defendants and had, as well, jurisdiction of the subject-matter of the suit.

This suit was commenced on September 13, 1940, to secure a mandatory injunction against the defendant state officers and injunctive relief against the other defendants, to secure for plaintiff district the water to which it was entitled and which it had not received since July 1, 1940. It is alleged and the evidence shows that plaintiff district was not receiving the amount of its appropriation at the time of filing this suit. Certain of the defendant irrigation districts allege that prior to the trial of the case, water was released which permitted plaintiff district to divert the water to which it was entitled and that, consequently, the illegal and wrongful acts of the defendant irrigation districts and of the defendant power district no longer infringed upon the rights of plaintiff district and that this defeated plaintiffs' right to relief. We think the rights of the parties under the circumstances here shown are to be determined by the situation existing when the suit was commenced. This question also seems to have been decided in *State v. Cochran, supra,* wherein it is said: "We doubt not that, if a default had existed at the time the writ of mandamus was

applied for, the court would have jurisdiction to determine relators' right to it even if the default no longer existed when the case came on for trial. Neither do we doubt the right of the court, if default exists, to issue the writ of mandamus and make it effective as to the performance of similar duties in the future. Any other rule would require the courts to administer justice piecemeal. But we are obliged to adhere to the rule that a default must exist when the writ is applied for, to properly invoke the extraordinary writ of mandamus." A default existed when the suit was started and the court had jurisdiction to determine plaintiffs' rights and the relative rights of the parties to the litigation under the facts which existed at that time. See *Patterson v. Barber Asphalt Paving Co.*, 94 Minn. 39, 101 N. W. 1064; *City of Austin v. Cahill*, 99 Texas 172, 88 S. W. 542; *United States v. Workingmen's Amalgamated Council*, 54 Fed. 994.

The controversy between the plaintiffs and the defendant power district resolves itself around the failure of the latter to release certain waters impounded behind defendant power district's diversion dam some 30 miles above the plaintiff district's headgate. The evidence shows that the defendant power district had five water appropriations from the state with priority dates ranging from January 1, 1934, to May 8, 1937. All of its appropriations are reservoir appropriations except one which is from the natural flow of the stream for 975 second-feet for power purposes. All are inferior in point of time to the appropriation of the plaintiff district.

The defendant power district constructed a dam at its headgate in 1936 for the purpose of making the diversions authorized by its appropriative rights. The dam is about nine feet in height and impounds approximately 900 acre-feet of water. The record shows that plaintiff district, at a time when there was insufficient natural flow in the river to supply the amount of its appropriation, demanded that the pondage behind the dam be released for the purpose of augmenting the natural flow of the river to the amount of plaintiff district's appropriation. It was the contention of plaintiff district that this pondage was public waters subject to distribution under prior adjudication. With this theory we cannot agree. The very purpose of the dam was to raise the water to a height which would permit diversions into its storage reservoirs. The granting of the right to construct the dam carries with it the incidental right to hold water behind it, subject to the rights of other appropriators on the river. The evidence is clear that the pondage so impounded was captured during the nonirrigation season or from waters during the irrigation season not subject to appropriation by the plaintiff district. This being true, the water is not subject to appropriation as a part of the natural flow of the stream and is entitled to be held by the defendant power district as a use incidental to the operation and maintenance of defendant power district's works. Comp. St. 1929, sec. 46-617. The evidence

shows that the water was first accumulated during the nonirrigation season and held intact until July 21, 1940. On that date the defendant power district, by some arrangement made with the plaintiff district, released water to it for a number of days. The water thus released was recovered on or about August 1, 1940, on the occasion of rains which provided water in excess of the appropriation to which plaintiff district was entitled, and which seems to have been done in accordance with the agreement. In any event, the pondage was not subject to any rights held by the plaintiff district.

It is urged, however, that the defendant power district refused to obey the orders of the chief of the bureau of irrigation on August 15, 1940, wherein defendant power district was ordered to release 100 second-feet of water as long as the pondage remained, in addition to the natural flow of the stream. The record shows that such an order was made and that defendant power district did not comply with it. It appears that on August 14, 1940, plaintiff district brought a suit to obtain a peremptory writ of mandamus to compel the chief of the bureau of irrigation to order the pondage released. The peremptory writ was granted without notice and the chief of the bureau of irrigation complied with it by issuing the order. The defendant power district ignored the order. On August 23, 1940, the district court for Lincoln county, on its own motion, vacated the peremptory writ which it had previously entered. Plaintiff district appealed to this court from the order vacating the peremptory writ of mandamus and we held that the issuance of the writ was void for want of notice and affirmed the court's action in vacating the peremptory writ. *State v. Cochran*, 139 Neb. 324, 297 N. W. 587. It seems to us that as the peremptory writ of mandamus was void, the order not in accord with priority rights, the interests of the defendant power district were in no respects jeopardized by a failure to comply with such order. We are of the opinion that the trial court was in all respects correct in finding that plaintiff district had no right to the water impounded behind the dam and in assessing the costs incurred by the defendant power company against the plaintiff.

The record shows that on or about June 27, 1940, plaintiff district commenced a series of complaints to the defendant state officers in which it demanded that water be provided in accordance with its priority. From June 27 to August 6, plaintiff district received all the water to which it was entitled on only a few days, most of those being from July 31, to August 4. On August 6, 1940, the Blue Creek Irrigation District commenced an injunction suit in Garden county against the defendant state officers and obtained a ten day restraining order from the county judge of that county. Joined with the plaintiff in this suit were five landowners owning land adjacent to Blue Creek in which they claim to have a riparian right to use the water thereof for irrigation purposes. The prayer of the petition is, among other

things, that plaintiffs' appropriation rights be decreed to entitle them to take water sufficient to water 2,874.7 acres of land in the Blue Creek Irrigation District and that defendant state officers be enjoined from preventing their so doing. On August 15, 1940, the suit was dismissed by plaintiffs without prejudice. Although the issues in this case were never determined, and we make no attempt to do it here, it is quite evident that, in any event, the Blue Creek Irrigation District was not entitled to take water under its appropriative rights at the time the restraining order was issued. We think, also, that if the plaintiff landowners desire to assert any riparian rights to the waters of Blue Creek by diverting through the Blue Creek Irrigation District headgate, it will be necessary that such rights be specifically determined in order that they will not interfere with the orderly distribution of the waters of the stream. The headgate and canal of the district were constructed for the purpose of diverting the district's appropriated waters and are subject to the general regulation and control of the bureau of irrigation in distributing the appropriated public waters of the stream. Any riparian rights existing are appurtenant to the lands adjacent to the stream. Riparian waters may be diverted only on the lands to which they are appurtenant. If, by chance, the district's headgate is upon the land of a riparian claimant, we know of no right on his part to divert it through such headgate canal without the approval of the district and the bureau of irrigation. We conclude therefore that the assertion of riparian rights by plaintiff landowners in this suit was merely a subterfuge by which the Blue Creek Irrigation District secured a restraining order to which it was never entitled. The fact that the suit was dismissed just prior to the termination of the ten-day restraining order is further evidence of that fact. We conclude, therefore, that as against all prior appropriators, the Blue Creek Irrigation District, and the plaintiffs who joined with it, had no right to injunctive relief and that the suit in question was not brought in good faith and constituted a trespass against the rights of senior appropriators on the river. We realize that the Blue Creek Irrigation District is not a party to this suit, and that no binding adjudication as to it can be made. The discussion of the rights of the parties to that litigation is important therefore only as it affects the rights of the parties to the suit at bar.

On August 5, 1940, one Basil Roberts commenced an action in the district court for Garden county, against the defendant state officers, alleging that he was a lessee of lands in the Hooper Irrigation District and entitled to the riparian use of the waters of Blue Creek for irrigation purposes. The allegations of the petition were that he, in order to save expense, diverts his riparian waters through the headgate of the Hooper Irrigation District. With the state officers enjoined, the Hooper Irrigation District proceeded to take water for all the lands in its district. What we said on this subject in the discussion

of the Blue Creek Irrigation District injunction suit has application here. On August 16, 1940, this suit was dismissed without prejudice. The evidence shows also that the lands irrigated by Roberts do not touch the banks of Blue Creek and consequently are not riparian lands. We necessarily hold that the petition states no ground for injunctive relief against the defendant state officers. It is evident to us that the suit was not brought in good faith and constituted a trespass against the rights of senior appropriators on the river.

The institution of the injunction suits by the Blue Creek Irrigation District and Basil Roberts provoked the commencement of nine other similar suits by irrigation districts having rights prior in time to the plaintiffs in those suits, but junior in time to the appropriation of the plaintiff district in the suit at bar.

On August 9, 1940, the Lisco Irrigation District filed its suit and obtained a restraining order from the county judge of Garden county enjoining any interference with the district's headgate. This restraining order was kept in effect until August 20, 1940, when a dismissal without prejudice was filed. On September 4, 1940, a second suit was filed and a restraining order obtained which remained in force until the suit was dismissed without prejudice on September 14, 1940. The allegations of the petition were that there was sufficient water in the river to supply plaintiff and all senior appropriators, and that the closing or threatened closing of plaintiff's headgate was arbitrary and capricious on the part of the defendant state officers. The evidence produced in the present case disproves that fact. It is evident to us that this suit was not commenced in good faith and was merely a method of obtaining waters by trespassing upon the vested rights of others entitled thereto.

On August 7, 1940, the Union Irrigation and Water Power Company filed its suit and obtained a restraining order similar to that obtained by the Lisco Irrigation District. The grounds alleged to obtain it were the same. An extension of the restraining order was granted by the county judge of Garden county. The case was dismissed without prejudice on August 20, 1940. It is clear from the undisputed evidence in the case at bar that the action was not brought in good faith and was merely a method of taking water belonging to others under the forms of law.

On August 13, 1940, the Enterprise Irrigation District filed its petition and obtained an order from the county judge of Scotts Bluff county restraining the defendant state officers from closing its headgate. The basis of the action was that the injunction orders commenced in Garden county permitted unlawful diversions by junior appropriators, but for which the headgate of the Enterprise Irrigation District would not have been ordered closed. Unlawful diversions by other junior appropriators are also alleged to have been permitted by the defendant state officers. We are of the opinion that these alle-

gations do not constitute a cause of action. If the mere allegations that an injunction was wrongfully issued by a court having jurisdiction of the subject-matter, or that thefts by junior appropriators make necessary the closing order, are sufficient to invoke the injunctive powers of a court of equity, the orderly administration of the stream will be replaced with chaos and dissention. It is urged that the correctness of the right to injunctive relief has been finally determined, no appeal having been taken from the district court's final order. While this may be true as between the parties to that litigation, it has no such binding effect upon the plaintiff district. The record shows that plaintiff district attempted to intervene in the injunction suit and was denied the right of intervention by the trial court. We think a senior appropriator whose rights may be affected, if the prayer of the petition is granted, has an absolute right to intervene to protect his interests. Comp. St. 1929, sec. 20-328. Having been denied that right, it would be highly illogical to assert that the doctrine of *res adjudicata* applied to him. We necessarily conclude that as to the plaintiff district, under the evidence in this record, the action of the district court for Scotts Bluff county, in granting the injunction order, deprived it of no rights and that the water taken by the Enterprise Irrigation District under said injunction order belonged to appropriators senior to it. The issuance of an erroneous restraining order, even if sought in bad faith, or the theft of waters by junior appropriators along the stream, cannot justify the taking of water belonging to senior appropriators, either directly or by the promiscuous use of the injunctive powers of an equity court.

Similar suits were commenced on or near August 13, 1940, by the Bridgeport Irrigation District, the Minatare Mutual Canal and Irrigation Company, Castle Rock Irrigation District, Winters Creek Irrigation District, Central Irrigation District, and the Alliance Irrigation District. All came to the same result as did the Enterprise case. It will serve no good purpose to repeat the details concerning these cases and we will conserve space by making our comments in the Enterprise case applicable to all.

The rights of all the parties to this suit have been adjudicated and their priorities finally determined. No question is here presented as to the amount of water to which any of the parties are entitled. It is the duty of the chief of the bureau of irrigation to administer the waters of the North Platte river and its tributaries in accordance with the adjudicated rights of the parties. The orderly administration of the stream becomes particularly important when there is a shortage of water and the burden is cast upon the bureau of irrigation to calculate the amount of available water, distances, lag, losses, gains, and many other conditions in delivering water to appropriators. It is urged that the use of spot readings, and other similar sources of information employed by the bureau of irrigation,

are too inaccurate to warrant admission as competent evidence. It is not claimed that such evidence imparts complete accuracy. It is simply the best available evidence at the time and is properly admissible, not as conclusive proof, but as evidence of the facts it purports to show. Our remarks in *State v. Cochran*, *supra*, with reference to this subject are directed to the fact that accurate figures are not obtainable and that uncertainty to some extent is bound to exist. This does not, however, make such evidence inadmissable.

The suits brought by the Blue Creek Irrigation District and Basil Roberts in Garden county, as we have heretofore said, were not brought in good faith. Such suits are a menace to the orderly administration of the waters of the stream. It not only permits the tortious diversion of waters to persons not entitled to them, but it jeopardizes the rights of every senior appropriator on the river above and below the wrongful diversion. It never was the province of courts of equity to extend its protective mantle to the perpetrators of wrongs and iniquities. Such suits are condemned, not only in law, but by principles of morality as well. Restraining orders in such suits are not to be peddled out to applicants as groceries over a counter, and a court which will do so, violates his oath of office and brings disrespect upon the judicial position he holds. It is a serious reflection upon the judiciary when the orderly administration of the waters of a great river are spasmodically thrown into confusion and chaos by the ill advised and irresponsible exercise of judicial authority. It creates an intolerable condition which ought, and must be, eliminated. In this connection it might be well to refer to the Canons of Judicial Ethics adopted by this court, wherein it is said in Canon 16: "He (the judge) should remember that an injunction is a limitation upon the freedom of action of defendants and should not be granted lightly or inadvisedly. One applying for such relief must sustain the burden of showing clearly its necessity and this burden is increased in the absence of the party whose freedom of action is sought to be restrained even though only temporarily." The Lisco Irrigation District and Union Irrigation and Water Power Company, in the procurement of their restraining orders, are in no better position than the two first above named. We find that the Blue Creek Irrigation District, Hooper Irrigation District, Lisco Irrigation District and the Union Irrigation and Water Power Company appropriated water wrongfully without the semblance of right during the irrigation season of 1940 and that the water so acquired belonged to and was the vested property of senior appropriators on the North Platte river.

The record discloses that the two injunction suits in Morrill county and the five in Scotts Bluff county were commenced primarily because of the wrongful diversions by the Garden county appropriators. It is alleged, and the chief of the bureau of irrigation concedes,

that if the headgates of the districts in Garden county had been closed as he had ordered, it would not have been necessary to issue closing orders against the Scotts Bluff and Morrill county districts. However, we are obliged to say that the diversions of water by the issuance of a wrongful restraining order must be treated as a condition. The bureau of irrigation, as an arm of the state, ought to respect the orders of the courts. It certainly is not within the province of the chief of the bureau of irrigation to review and determine the correctness of judicial orders issued by courts having jurisdiction of the subject-matter. This being true, he must of necessity treat the situation as he would any other loss over which he has no control. It being a condition, it affords no basis for an injunction which in effect prevents the distribution of remaining waters to appropriators according to priority. We realize that the injunctions procured in Scotts Bluff and Morrill counties were tried on their merits and final judgments sustaining them entered. We cannot, of course, review their correctness in this proceeding except as to their effect on the plaintiff district which was not a party to those actions. In this respect we are of the opinion that the rights of plaintiff district were in no way affected and that the waters thus diverted were, in part at least, waters belonging to that district. We cannot refrain from saying that the suits filed by the Scotts Bluff and Morrill county irrigation districts, viewed in the light of the evidence in the present case, were improvidently commenced. The issues pleaded which were not alleged in the Garden county cases, plus the fact that they were upheld by the district court, restrains us from making an outright statement that they were not brought in good faith. We realize the intense desire on the part of appropriators to save burning crops, especially when water is flowing by their headgates. But one has no more right to take the water of a senior appropriator than he has to take grain from a neighbor's granary and convert it to his own use. Until conscience and good morals play some part in the administration of the public water of a stream, the services of the chief of the bureau of irrigation in the capacity of a policeman will be required and, so long as his acts do not become arbitrary and capricious, the courts are obliged to give effect to them. In connection herewith it might be noted that the conduct of counsel in aiding and abetting the procurement of restraining orders in bad faith is subject to serious criticism, and even, if the practice be persisted in, to the invocation of disciplinary powers of this court. We desire to call attention to Canon 30 of the Canons of Professional Ethics adopted by this court, wherein it is said in part: "The lawyer must decline to conduct a civil cause or to make a defense when convinced that it is intended merely to harass or to injure the opposite party or to work oppression or wrong. * * * His appearance in court should be deemed equivalent to an assertion on his honor that in his opinion his client's case

is one proper for judicial determination." These are not idle words and were adopted with the expectation that ethical lawyers would give credence thereto, and that those who persist in violating the rule shall thereby subject themselves to serious penalty. Some leniency of expression should be shown because it involves a practice long indulged in by the irrigation interests of the state, yet we feel obliged to say that future infractions will meet with suitable corrective measures. And what we have here said pertaining to the conduct of counsel applies as well to the attorneys for the plaintiff district as to counsel for the defendant irrigation districts for the reason that it appears in the record that plaintiff's counsel aided and abetted the Blue Creek Irrigation District and Basil Roberts in procuring their restraining orders.

We hold that plaintiff district was entitled to the waters wrongfully appropriated by the Scotts Bluff and Morrill county irrigation districts, or so much thereof as was required to provide the amount of their appropriation, assuming, of course, that a beneficial amount could be delivered at its headgate. We think, therefore, that the plaintiff district's right to an injunction is superior to any rights possessed by the defendant irrigation districts and that plaintiff district was entitled to a mandatory injunction compelling the delivery of the disputed waters to the plaintiff district.

It might be contended that as the state officers had already been enjoined by the final order of the district court for Scotts Bluff county, the district court for Lincoln county was without power to issue a mandatory injunction to compel the doing of the very act previously enjoined. If the parties and issues were the same, the court first assuming jurisdiction would have the sole jurisdiction of such a proceeding. That is not the case here. An injunction order against the state officers issued at the instance of a junior appropriator must give way to an injunction or mandamus order issued at the behest of a senior appropriator when the junior appropriator has been made a party to the litigation.

It is further alleged that the Chimney Rock Irrigation District, Alliance Irrigation District, Ramshorn Irrigation District, Short Line Irrigation District, Farmers Irrigation District, Nine Mile Irrigation District and Browns Creek Irrigation District neglected to obey the orders of the bureau of irrigation with reference to opening and closing their headgates, and to have taken water for irrigation purposes without right.

As to the Nine Mile Irrigation District, the evidence shows that water passed through the district's headgate for one day as the result of mistake which was corrected to the satisfaction of the chief of the bureau of irrigation. There is evidence that water found in the ditch on other days was not diverted through the district's headgate, but consisted of seepage and runoff waters which flowed into

the ditch below the headgate. The evidence is sufficient to sustain the finding of the trial court that this district neither violated the closing orders of the bureau of irrigation nor abstracted water to which it was not entitled.

As to the Farmers Irrigation District, it was urged that it was taking unappropriated waters from Akers Draw, Sheep Creek, Dry Spotted Tail, Wet Spotted Tail and Tub Springs, they being natural drains carrying live waters to the North Platte river. The evidence shows that these waters were captured and used by the Farmers Irrigation District, but that such waters were measured and applied upon the amount of water to which it was entitled by virtue of its appropriation right. This being done with the consent and approval of the bureau of irrigation, we find nothing in it incompatible with the proper distribution of the waters of the stream in accordance with priority. It is further shown that the bureau of irrigation closed the headgate of this district for one day and then permitted it to reopen on the theory that a usable quantity of water could not be delivered to the plaintiff district. No evidence was offered to show that this determination on the part of the bureau of irrigation was arbitrarily made. The evidence therefore sustains the finding of the trial court that the Farmers Irrigation District was guilty of no wrong charged in plaintiffs' petition.

There is no evidence in the record of any violation of orders or taking of waters to which it was not entitled by the Browns Creek Irrigation District. The trial court's finding in favor of the district was therefore correct.

The evidence shows without question that the Chimney Rock Irrigation District, Ramshorn Irrigation District, Short Line Irrigation District and the Alliance Irrigation District in addition to the waters taken while the restraining order was in effect, wrongfully diverted waters of the river which did not belong to them and in which senior appropriators had a vested right.

The defendant state officers contend that they have administered the waters of the stream in the utmost good faith and that no cause of action therefore exists against them. As we have heretofore said, the bureau of irrigation as an arm of the state should obey the judgments and orders of courts having jurisdiction of the subject-matters upon which such orders are based. We therefore hold that the obeyance of the restraining orders issued and the giving of notice of such orders to the attorney general constitutes a full compliance with duty as found by the trial court. However, it is our considered opinion that as to the Chimney Rock Irrigation District, Ramshorn Irrigation District, Short Line Irrigation District, and the Alliance Irrigation District during the times they had no restraining order in force, the bureau of irrigation did not perform its full duty. The evidence shows that closing orders were issued against these districts

which were not obeyed. We think the duty is then cast upon the bureau of irrigation to enforce its order by closing and locking the headgate of the offending districts. This does not appear to have been done. We are inclined to the view therefore that the bureau of irrigation was derelict in its duty to this extent. On all other points we think the evidence shows a good faith and efficient administration of the waters of the river in accordance with law.

In determining the relative rights of all the parties to this suit, we have come to the following conclusions: That plaintiff district was, on the date of the commencement of this suit, entitled to a temporary injunction against the Lisco Irrigation District, Winter's Creek Canal Company, Castle Rock Irrigation District, Enterprise Irrigation District, Minatare Mutual Canal & Irrigating Company, Central Irrigation District, Bridgeport Irrigation District, Alliance Irrigation District, Chimney Rock Irrigation District, Ramshorn Irrigation District and the Short Line Irrigation District, restraining the diversion of water from the North Platte river in violation of the closing orders of the bureau of irrigation and contrary to the rights of senior appropriators, including the plaintiff district; that a mandatory injunction issue against the bureau of irrigation to compel the enforcement of its orders closing the headgates of the Chimney Rock Irrigation District, Ramshorn Irrigation District, Short Line Irrigation District, and the Alliance Irrigation District during the times the closing of its headgate was not restrained, by shutting and locking the headgates of the districts in accordance with authority granted by section 81-6304, Comp. St. 1929, and that said districts be permanently enjoined from taking the appropriated waters of senior appropriators contrary to the closing orders of the bureau of irrigation; and that the cause be dismissed as to the Farmers Irrigation District, Nine Mile Irrigation District, Browns Creek Irrigation District, and the Platte Valley Public Power and Irrigation District.

It is further ordered that the costs incurred by the Nine Mile Irrigation District, Farmers Irrigation District, Browns Creek Irrigation District and the Platte Valley Public Power and Irrigation District be taxed against the plaintiff district, and that all other costs be taxed against the Lisco Irrigation District, Winter's Creek Canal Company, Castle Rock Irrigation District, Enterprise Irrigation District, Minatare Mutual Canal and Irrigating Company, Central Irrigation District, Bridgeport Irrigation District, Chimney Rock Irrigation District, Ramshorn Irrigation District and the Short Line Irrigation District.

REVERSED.

LOUP RIVER PUBLIC POWER DISTRICT V. NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT.

Filed August 7, 1942. No. 31410

1. Where an unlawful diversion of water takes place in one county and damage occurs as a result thereof in another county, the party injured may commence his action in either of such counties.
2. "An action against a public officer for any neglect of official duty must, under the provisions of section 20-404, Comp. St. 1929, be brought in the county where the cause or some part thereof arose." *State v. Cochran*, 138 Neb. 163, 292 N. W. 239.
3. A suit for injunction, and the establishment of the relative rights of the parties incident thereto, against the executive and administrative officers of the state to compel the enforcement of appropriative water rights by restraining unlawful diversions of water by junior appropriators is properly maintainable in the county where the resulting damages occur.
4. An irrigation district is a public as distinguished from a municipal corporation, and is not confined to the strict and narrow limits applied to municipal corporations.
5. Where a court has jurisdiction of the subject-matter of an action, and obtains service of summons upon a defendant properly amenable to service in that county and having a substantial interest in the subject of the suit adverse to plaintiff, a summons may properly issue to a defendant public corporation domiciled in another county, under the provisions of section 20-504, Comp. St. 1929.
6. An appropriation of public waters for power purposes, together with the necessary dams, ditches and other works used therewith, are appurtenant to the power plant and the real estate upon which it stands.
7. A wrongful act, which reduces the quantum of water necessary for a senior appropriator's needs within the limits of his appropriation, constitutes a damage to his appropriative and other property rights connected with the use thereof.
8. Limitations imposed upon an appropriator of public waters by the state in adjudicating his right and fixing his priority are restrictions upon such appropriator only and may not be treated as a grant to another appropriator.
9. Each appropriator of public waters must derive his rights from his own grant.
10. Under the provisions of section 81-6317, Comp. St. 1929, an appropriation of public waters may be allowed in an amount less than that applied for. If the applicant be dissatisfied therewith he must appeal, otherwise it becomes final.
11. Under such circumstances, a final allowance of one acre-foot for each acre of land irrigated is final and mandatory upon the administrative officers of the state.
12. The amount of public waters to which an appropriator is entitled is to be measured at the point of diversion from the natural channel of the stream from which the appropriation was made.
13. Under the provisions of section 6, art. XV of the Constitution, the right to divert unappropriated waters to a beneficial use is a constitutional right, and the first in time is the first in right, without reference to the particular use.
14. But when the waters of any natural stream are not sufficient for the use of all desiring to use the same those using the water for agricul-

tural purposes shall have preference over those using the same for manufacturing purposes. Const. art. XV, sec. 6.

15. Under this section of the Constitution, waters previously appropriated for power purposes may be taken and appropriated for irrigation purposes, upon due and fair compensation therefor; and, inversely, they cannot be appropriated arbitrarily for irrigation purposes without just compensation.

16. A petition to determine relative rights to waters flowing in a public stream in this state, wherein the facts alleged show that plaintiff appropriated such water and applied the same to a beneficial use prior in time to the alleged diversion by the defendant, states a cause of action entitling plaintiff to an injunction restraining further wrongful diversions by the defendant.

Heard before ROSE, EBERLY, PAINE, CARTER, MESSMORE and YEAGER, JJ.

CARTER, J.

This suit was commenced by the Loup River Public Power District against the North Loup River Public Power and Irrigation District and certain executive and administrative officers charged with the administration of the public waters of the state, to secure a decree establishing the relative rights of the parties to the waters of the Loup river and its tributaries and to enjoin the North Loup River Public Power and Irrigation District from diverting, and the executive and administrative officers of the state from permitting diversions of, water in violation of the rights of the Loup River Public Power District. The trial court sustained a general demurrer to the petition and, plaintiffs having elected to stand thereon, dismissed the action. From this order plaintiff appeals.

For convenience, the Loup River Public Power District will be referred to herein as the plaintiff district, the North Loup River Public Power and Irrigation District will be referred to as the defendant district, and the executive and administrative officers will be referred to as the defendant state officers.

Plaintiff's petition alleges that on February 24, 1934, it procured from the department of roads and irrigation an appropriation of water from the Loup river for power purposes, said appropriation being 3,500 cubic feet of water per second of time with a head of 118 feet and a priority date as of September 15, 1932. Immediately thereafter plaintiff paid all amounts due the state for the lease of the water, commenced the construction of its works for the generation and distribution of electric power, and since the completion thereof has been engaged in the generation and distribution of electric power. On September 15, 1936, defendant district was granted an appropriation of water from the North Loup River for irrigation purposes in the amount of 260 second-feet, with a priority date of March 28, 1933, and limited to the use of one acre-foot of water for each acre of land to which water is usefully applied prior to October 1, 1944. Due to the fact that its irrigation works were not constructed

to water all the lands described in its application, defendant district's appropriation was subsequently reduced to 238 second-feet. Plaintiff district alleges that at no time has the defendant district irrigated more than 18,000 acres of land.

Plaintiff district alleges that from April 1, 1940, to November 1, 1940, it was unable to obtain its appropriation of 3,500 cubic feet of water per second, excepting two days in May, seven days in June and three days in October, and that the water available for appropriation by the plaintiff district at all other times, was materially reduced by diversions up river in counties other than Platte county by the defendant district in excess of its appropriative rights. This suit was commenced in Platte county to enjoin the defendant district from making these unlawful diversions of water and to restrain the defendant state officers from permitting such unlawful diversions.

The petition discloses that plaintiff district maintains its office and principal place of business, including its hydroelectric plant, in the city of Columbus, Platte county, Nebraska. It appears from the showing made in support of defendant district's special appearance, that the principal place of business of defendant district is in the city of Ord, Valley county, Nebraska, and that the district is located within Valley, Loup and Garfield counties, and no other. Process was served on the defendant district by the delivery of a summons to its president in Valley county. Service of summons was had on the defendant state officers in the counties of their legal residence, none of which were within Platte county.

The statute upon which we are asked to sustain the jurisdiction of the court provides in part as follows: "Actions for the following causes must be brought in the county where the cause or some part thereof arose: * * * Second. An action against a public officer, for an act done by him in virtue of or under color of his office, or for any neglect of his official duty." Comp. St. 1929, sec. 20-404.

In *State v. Cochran*, 138 Neb. 163, 292 N. W. 239, a case similar in principle, this court said: "An action for mandamus against the administrative officers of the state to compel the proper enforcement of the irrigation laws, and thereby prevent unlawful diversions of water by junior appropriators, is properly maintainable in the county where the resulting damages occur." Defendant state officers attack the correctness of this rule and urge that this court depart therefrom.

A text-writer states the applicable rule in the following language: "If however, a tortious act, committed in one county, occasions damage to land or any other local subject, situate in another; an action for the injury thus occasioned, may be laid in either of the two counties, at the choice of the party injured. (n) Thus, if by the diversion or obstruction of a watercourse, in the county of A., damage is done to lands, mills or other real property in the county of B., the party injured may lay his action in either of those two counties." Gould's Pleadings (5th ed.) p. 105.

In *Bulwer's* case, the court said: "When one matter in one county is depending upon the matter in another county, there the plaintiff may choose in which county he will bring his action. * * * In all cases where the action is founded upon two things done in several counties, and both are material or traversable, and the one without the other doth not maintain the action, there the plaintiff may choose to bring his action in which of the counties he will. * * * If a man doth not repair a wall in Essex, which he ought to repair, whereby my land in Middlesex is drowned, I may bring my action in Essex, for there is the default, as is adjudged in 7 H. 4. 8. or I may bring it in Middlesex, for there I have the damage." 4 Coke's Reports, pt. 7, p. 1.

And in *Barden v. Crocker*, 10 Pick. (Mass.) 383, it was said: "And the second point is equally clear for the plaintiff. He may unquestionably maintain his action in either county; in Bristol, where the obstruction was raised, as well as in Plymouth where the injury was sustained."

In *Deseret Irrigation Co. v. McIntyre*, 16 Utah 398, 52 Pac. 628, the court in a similar case applied the following line of reasoning: "As has been observed, an action is 'the lawful demand of one's right,' and such lawful demand is made because of a wrong done and an injury suffered. The wrong and the injury are both necessary elements, and the absence of either one of them would be fatal to a suit. The two elements must therefore exist and unite in order to form a good cause of action. The plaintiffs herein claim that the defendants constructed dams and ditches in Sanpete county, and by means thereof wrongfully diverted water from the Sevier river, and that, as a sequence, the plaintiffs were deprived of the water which of right belonged to them, and with which they were entitled to fill their dams and ditches in Millard county, to distribute it to their stockholders' lands in that county. The right of plaintiffs to have that portion of the river, to which they were entitled, flow in the natural watercourse to the heads of their ditches, is an incorporeal hereditament appurtenant to the watercourse. The complaint shows that this right was invaded by a wrongful diversion in Sanpete county, by the defendants, and that damage or injury resulted to the plaintiffs in Millard county. The facts concerning the wrongful diversion and consequent injury are all essential to the plaintiff's right of action. Neither the facts relating to the diversion alone, nor those relating to the injury alone, are sufficient to constitute a cause of action against the defendants. This is so, because the mere construction of dams and ditches in Sanpete county, or even the diversion of the water from the river, gave the plaintiffs no right to complain, so long as the water, to which they were entitled, was not diverted thereby. Likewise, as to injury, unless it were shown that it was caused by the wrongful acts of the defendants. Thus it is plain that some of the material

facts arose in Sanpete county and some in Millard county, and the cause of action may properly be said to have arisen in each county. Therefore the plaintiffs had the right to elect in which they would bring their action, and, having chosen to bring it in Millard county, where a part of that which is essential to their right to recover took place, the venue was properly laid." See, also, *Lower Kings River Water Ditch Co. v. Kings River & Fresno Canal Co.*, 60 Cal. 408.

In *Miller & Lux v. Rickey*, 127 Fed. 573, the rule was stated as follows: "The general principle is that, where a wrong has been committed by some person, and another person has been injured thereby, the injured person has a lawful right to recover from the wrongdoer; the wrong and the injury are both necessary elements, and the absence of either one of them would be fatal to a suit. The two elements must therefore exist and unite in order to form a good cause of action. The direct purpose of all judicial acts is relief to a litigant, which cannot be given by a judgment or decree alone, but must be given, if at all, through the enforcement of the one or the other by appropriate process; and it has often been said that the highest test of the jurisdiction of a court in a given case is found in the answer to an inquiry whether it has lawful power thus to enforce its judgment or decree. The general doctrine at common law is that actions for injury to real estate in the nature of a trespass or in case of nuisances—and other cases might be cited—is local, and must be brought in the county in which the land lies; but, where the act which caused the injury to the land was committed in another county or district, suit may be brought in either at the election of the plaintiff." See, also, *Vermont Valley R. V. Connecticut River Power Co.*, 99 Vt. 397, 133 Atl. 367.

In *Willey v. Decker*, 11 Wyo. 496, 73 Pac. 210, the court made this pertinent statement: "It may be conceded, for the purposes of this decision, that the court would not assume jurisdiction unless it were found, in the class of cases referred to, that either the wrongful act or the injury occurred in this State."

And in *Lakeside Irrigation Co. v. Markham Irrigation Co.*, 116 Tex. 65, 285 S. W. 593, the court, largely on the authority of *Deseret Irrigation Co. v. McIntyre*, *supra*, said: "It seems clear to us that 'in cases of this kind where the wrongful act is begun in one county and consummated in another, the suit may be prescribed in either county at the election of the plaintiff.' "

Plaintiff's cause of action is based upon two essential elements—a wrong committed in Valley, Loup and Garfield counties, and a damage resulting in Platte county. The cause of action being founded on two essential elements done in different jurisdictions, both being material and traversable, and the one without the other not giving rise to an action, has a dual origin and the action may be brought in either jurisdiction. We think the rule announced in *State v. Cochran*, *supra*, is correct and we adhere to and reaffirm that decision.

We necessarily come to the conclusion that the action was properly brought in Platte county and that service of summons could be had upon the state officers, the cause of action having arisen there within the meaning of section 20-404, Comp. St. 1929.

Defendant district contends, however, that, except where the action pertains to realty, an action against a municipal corporation or political subdivision of the state is inherently local, and any action against such a public corporation must be brought in the county of its domicile, or where it is situated, without regard to where the cause of action arose. An irrigation district is a public corporation and not a municipal corporation, and is not confined to the strict and narrow limits of a municipal corporation. Where a court has jurisdiction of the subject-matter of an action and obtains service of summons upon a defendant properly amenable to service in that county and having a substantial interest in the subject of the suit adverse to the plaintiff, a summons may properly issue to a defendant public corporation domiciled in another county under the provisions of section 20-504, Comp. St. 1929. Consequently, the defendant district was properly served with summons in Valley county and jurisdiction thereby obtained over it in Platte county.

An appropriation of public waters for power purposes, together with the necessary dams, ditches and other works used therewith, are appurtenant to the power plant and the real estate upon which such plant was constructed. 2 Kinney, Irrigation and Water Rights (2d ed.) sec. 1013. And, consequently, any wrongful act which reduces the quantum of water necessary for plaintiff district's needs, within the limits of its appropriation, constitutes a damage to its appropriative and other property rights in Platte county.

It is alleged in plaintiff's petition, and it must be accepted as true in determining the correctness of the court's ruling in sustaining the general demurrer to it, that plaintiff district's appropriation for power purposes was in the amount of 3,500 second-feet with a head of 118 feet and a priority date as of September 15, 1932. Defendant district has an appropriation for irrigation purposes in the amount of 238 second-feet with a priority date of March 28, 1933, with a quantum of annual delivery limited to one acre-foot for each acre of land to which water is usefully applied. The rate of diversion was restricted to one second-foot for each 150 acres of land actually irrigated. Plaintiff district's appropriation was further limited in that it must not be exercised so as to curtail diversion of water by the defendant district in the amount of one acre-foot for each acre of land actually irrigated, but not exceeding the maximum amount of 38,000 second-feet annually. The petition alleges that only 18,000 acres of land were irrigated by defendant district and consequently its maximum annual diversion is only 18,000 acre-feet at a maximum diversion rate of 120 second-feet. Plaintiff district alleged that in

1940 defendant district diverted 69,342 acre-feet at a time when plaintiff district was in need of and unable to get the amount of its appropriaton for power purposes.

It must be conceded that the limitations on plaintiff district's appropriative right restricts the plaintiff district only and does not amount to a grant to the defendant district. Defendant district must derive its rights from its grant and not from the limitations placed in plaintiff's grant.

It is urged by defendant district that the one acre-foot of water for each acre actually irrigated to which its appropriation is limited is directory only. With this we cannot agree. The quasi-judicial powers conferred upon the department of roads and irrigation have application only to the granting and cancelation of appropriation rights and priorities. *State v. Cochran, supra.* Under the provisions of section 81-6317, Comp. St. 1929, the department may approve the application for an appropriation of public waters in an amount less than that applied for. If the applicant be dissatisfied, the remedy is by appeal to the district court, and if he fails to appeal, the appropriation as made is final. The contention of defendant district that the restriction of its appropriation to one acre-foot of water to each acre of land actually irrigated is directory and invalid is without merit.

It is next urged that the diversions of water under defendant district's appropriation are to be measured at the land and not at the point of diversion from the river. We think that an examination of the irrigation statutes of this state reveals a legislative intent that appropriated waters shall be measured at the point of diversion. See sections 81-6316 and 81-6326, Comp. St. 1929. For instance, section 81-6326 requires an appropriator to construct and maintain a headgate at the point of diversion and to install at that place a device for measuring the water diverted. The correct rule was announced in *Stickney v. Hanrahan,* 7 Idaho 424, 63 Pac. 189, wherein the court said: "Under the law, water of all claimants must be measured at the point where such water is diverted from the natural channel of the stream from which it is taken. This is a matter of necessity, demanded by public policy. It is the policy of the law to prevent the wasting of water." Any other rule would permit uncertainty and confusion to enter into the determination of appropriative rights. A satisfactory administration of the waters of the stream can be had only by computing the amounts to which an appropriator is entitled at the point of diversion. The quantum of water which the defendant district can divert from the river is that amount to which defendant district is entitled under its own appropriation, without reference to limitations contained in plaintiff district's appropriation, measured at the point of diversion at the river. It is true that defendant district's divertable amount may increase up to October 1, 1944, but not in any event exceeding 38,000 second-feet, dependent upon the number of additional

acres of land in the district to which a usable quantity of water has been applied. The amount of water to which defendant district is entitled is therefore dependent upon the number of acres to which water has been beneficially applied at the time the determination is to be made.

Defendant district contends that as an irrigation district it has the right to take water in excess of its appropriation as against an appropriator for power purposes as long as it can be put to a beneficial use in the irrigation of farm lands. This raises a point of first impression in this state.

The Constitution provides: "The necessity of water for domestic use and for irrigation purposes in the state of Nebraska is hereby declared to be a natural want." Const. art. XV, sec. 4.

Section 6, art. XV of the Constitution also provides: "The right to divert unappropriated waters of every natural stream for beneficial use shall never be denied except when such denial is demanded by the public interest. Priority of appropriation shall give the better right as between those using the water for the same purpose, but when the waters of any natural stream are not sufficient for the use of all those desiring to use the same, those using the water for domestic purposes shall have preference over those claiming it for any other purpose, and those using the water for agricultural purposes shall have the preference over those using the same for manufacturing purposes. Provided, no inferior right to the use of the waters of this state shall be acquired by a superior right without just compensation therefor to the inferior user."

It was clearly the intention of the framers of our Constitution to provide that water previously appropriated for power purposes may be taken and appropriated for irrigation use upon the payment of just compensation therefor. It never was the intention of the framers of the Constitution to provide that water appropriated for power purposes could thereafter arbitrarily be appropriated for irrigation without the payment of compensation. Historically the purpose for which an appropriation was obtained had no bearing upon its priority. Until the advent of constitutional provision and statutory law, priority of appropriation conferred superiority of right without regard to the character of the use. The maxim, "He who is first in time is first in right," thus became fundamental doctrine in determining the priorities of appropriators, irrespective of use. A right of appropriation, under our Constitution, whether for irrigation or for power purposes, is a property right which is entitled to the same protection as any other property right. The right of property therein cannot be violated with impunity any more than that in any other type of property. This is so fundamental that citations of authority are unnecessary.

Section 6 of article XV of the Constitution, fixing a priority of uses for which public waters may be appropriated, is a self-executing

provision and the courts, in the absence of a statutory method, would be obliged to provide the means for enforcing its provisions. To hold otherwise, and to permit junior appropriators of water for a superior use to divert it with impunity, would invite uncertainty and chaos into the irrigation laws of this state. For many years no legislative action was taken to provide a special method of effectuating the provisions of this section of the Constitution. In 1941, however, the legislature enacted chapter 138, session laws 1941, providing a special method for the condemnation of the rights of a senior appropriator having an appropriation of water for an inferior use. Defendant district argues that this law did not become operative until after the filing of plaintiff district's last amended petition. It is not necessary for us to determine the rights of the parties growing out of this situation. Either it affords a means for the condemnation of plaintiff district's power appropriation by a junior appropriator for irrigation purposes in the present case, or defendant district is relegated to the remedies existing prior to its enactment.

The fact that defendant district may desire the water lawfully appropriated to plaintiff district and to which it has a vested right, is unimportant until plaintiff district's right thereto has been lawfully divested and compensation paid. Until plaintiff district's vested rights have been divested by due process of law, its appropriation must be considered as prior to that of the defendant district. Other jurisdictions have passed upon this and similar questions and they uniformly support this conclusion.

In Montrose Canal Co. v. Loutsenhizer Ditch Co., 23 Colo. 233, 48 Pac. 532, the court in passing on a like question said:

"It is, however, insisted that the complaint is sufficient to entitle the consumers under the plaintiff ditch to fifty cubic feet of water per second of time for domestic use, regardless of the priority of defendant ditch to the use of water for irrigation; that the use of water for domestic purposes is recognized by the Constitution as paramount to all other uses; and the mere averment that water is required for domestic purposes, and an attempt to deprive another of such use by diverting the water to any other purpose, is a sufficient statement of a cause of action.

"We think this claim is untenable. While it is true that section 6 of article 16 of the Constitution recognizes a preference in those using water for domestic purposes over those using it for any other purpose, it is not intended thereby to authorize a diversion of water for domestic use from the public streams of the state, by means of large canals, as attempted in this case. The use protected by the Constitution is such use as the riparian owner has at common law to take water for himself, his family or his stock, and the like. And if the term 'domestic use' is to be given a different or greater meaning than this, then as between such enlarged use and those having

prior rights for agricultural and manufacturing purposes, it is subject to that other constitutional provision requiring just compensation to those whose rights are affected thereby. *Strickler v. Colorado Springs*, 16 Colo. 61; *Armstrong v. Larimer County Ditch Co.*, 1 Colo. App. 49.

"In the *Strickler* case, this court, in construing the constitutional provision referred to as applied to water rights antedating its adoption, said:

" 'Our conclusion, therefore, is that the constitutional provisions relied upon were not intended to affect, and do not affect, prior vested rights, but that all owners of such rights are entitled to compensation therefor before the same can be taken or injuriously affected.' " See, also, *Town of Sterling v. Pawnee Ditch Extension Co.*, 42 Colo. 421, 94 Pac. 339; *Nevious v. Smith*, 86 Colo. 178, 279 Pac. 44; *People v. Hinderlider*, 98 Colo. 505, 57 Pac. (2d) 894.

In *Montpelier Milling Co. v. City of Montpelier*, 19 Idaho 212, 113 Pac. 741, it was urged by defendant that a constitutional provision similar to that in our Constitution made an appropriation of water for domestic uses superior to an appropriation of water for manufacturing uses, without regard to priority, and that an appropriation for manufacturing purposes could be destroyed by a subsequent appropriation for domestic purposes. On this point the court said:

"We do not think that the language thus used in the Constitution was ever intended to have this effect, for it is clearly and explicitly provided in said section that the right to divert and appropriate the unappropriated waters of any natural stream to beneficial uses shall never be denied; that priority of appropriation shall give the better right as between those using the water. This clearly declares that the appropriation of water to a beneficial use is a constitutional right, and that the first in time is the first in right, without reference to the use, but recognizes the right of appropriations for domestic purposes as superior to appropriations for other purposes, when the waters of any natural stream are not sufficient for the service of all those desiring the same. This section clearly recognizes that the right to use water for a beneficial purpose is a property right, subject to such provisions of law regulating the taking of private property for public and private use as referred to in sec. 14, art. 1, of the Constitution.

"It clearly was the intention of the framers of the Constitution to provide that water previously appropriated for manufacturing purposes may be taken and appropriated for domestic use, upon due and fair compensation therefor. It certainly could not have been the intention of the framers of the Constitution to provide that water appropriated for manufacturing purposes could thereafter arbitrarily and without compensation be appropriated for domestic purposes. This would manifestly be unjust, and clearly in contravention of the provisions of this section, which declare that the right to divert and appropriate the unappropriated waters of any natural stream for beneficial

use shall never be denied, and that priority of appropriation shall give the better right." See, also, *Basinger v. Taylor*, 30 Idaho 289, 164 Pac. 522.

We necessarily come to the conclusion that a senior appropriative right for power purposes may not be destroyed by a superior user except by the employment of formal condemnation proceedings and the tender of compensation prior to interference.

Assuming, as we must in this case, that the allegations of plaintiff district's petition are true, plaintiff district is entitled to have its appropriative rights protected against the wrongful diversions of the defendant district. The defendant state officers are duty bound to enforce all appropriations in accordance with their priorities as to time, unless such appropriations or priorities be divested in the manner provided by law. The petition states facts which, if established, called for the application of the rules of law herein discussed. In our opinion, it states a cause of action, and the trial court was in error in sustaining a general demurrer thereto.

PAINE, J., dissents. REVERSED.

LOUP RIVER PUBLIC POWER DISTRICT V. MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT

Filed August 7, 1942. No. 31411

Reversed on authority of *Loup River Public Power District v. North Loup River Public Power and Irrigation District*, released herewith.

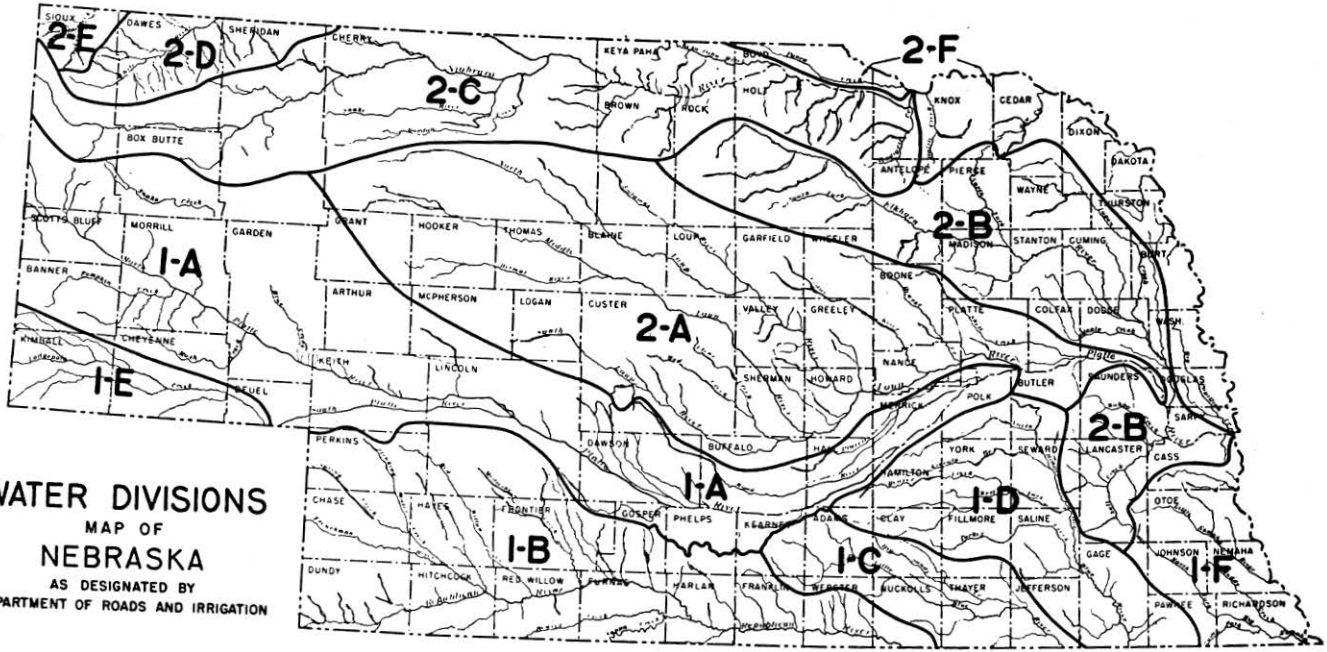
Heard before ROSE, EBERLY, PAINE, CARTER, MESSMORE and YEAGER, JJ.

CARTER, J.

This is a companion case to *Loup River Public Power District v. North Loup River Public Power and Irrigation District, ante*, p.——, —— N. W. (2d) ——, released herewith. The Loup River Public Power District is plaintiff in each case. The Middle Loup Public Power and Irrigation District is a public corporation, similar in all respects to the North Loup River Public Power and Irrigation District. The defendant state officers are the same in both suits. Identical questions of law raised in each case, the only difference in the two cases being in acreages and amounts involved in the appropriative rights of the two defendant districts.

The law applicable to the one is applicable to the other. For the reasons stated in *Loup River Public Power District v. North Loup River Public Power and Irrigation District*, No. 31410 released herewith, the judgment of the district court is reversed and the cause remanded.

PAINE, J., dissents. REVERSED



WATER DIVISIONS
MAP OF
NEBRASKA
AS DESIGNATED BY
DEPARTMENT OF ROADS AND IRRIGATION

WATER DIVISIONS AND WATER DISTRICTS

WATER DIVISIONS

The State of Nebraska is hereby divided into two water divisions denominated Water Division No. 1 and Water Division No. 2, respectively. (C. S. 1922, 8415; C. S. 1929, 46-510.)

BOUNDARIES OF DIVISION NO. 1.

Water Division No. 1 shall consist of all the lands in the state drained by the Platte Rivers and their tributaries lying west of the mouth of the Loup River; and also all other lands lying south of the Platte and South Platte Rivers that may be watered from other superficial or subterranean streams not tributary to the Platte River. (C. S. 1922, 8416; C. S. 1929, 46-511.)

BOUNDARIES OF DIVISION NO. 2

Water Division No. 2 shall consist of all lands that may be watered from the Loup, White, Niobrara and Elkhorn Rivers and their tributaries, and other lands of the State not included in any other water division. (C. S. 1922, 8417; C. S. 1929, 46-512.)

For convenience in the adjudication of claims and in the distribution of water, these divisions have been subdivided into twelve water divisions, denominated 1-A, 1-B, 1-C, 1-D, 1-E, 1-F, 2-A, 2-B, 2-C, 2-D, 2-E, and 2-F, as shown on the opposite page.

CLAIMS AND APPLICATIONS

The following tables give a complete list of all claims and applications of record in the Bureau of Irrigation, Water Power and Drainage, which have not been canceled. This list also includes applications which have been filed and not approved.

The claims and applications have been arranged in each water division by stream in alphabetical order, and the appropriations on each stream are arranged in order of priority.

Appropriations having docket numbers refer to claims covering rights which were acquired under the law prior to April 4, 1895, and those having application numbers are permits to appropriate water granted under the law of 1895.

Following these tables are the applications and claims which have been canceled, or dismissed during the past two years.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County					
Ash Creek	Noetzelman, Mrs. Anna	Tacoma Wash	Gillard Canal	Irrig.	1.43	3	16	42	Garden	Dec.	31	1890	812	—
Ash Creek	Rittenhouse, T. L.	Lewellen	Rittenhouse Pump	Irrig.	.43	10	16	42	Garden	Oct.	22	1940	—	5305
Barrow Pit	Taylor, A. O.	Minatare	Barrow Pit Canal	Irrig.	.29	19	21	52	Scotts Bluff	Apr.	23	1904	—	751
Birdwood Cr.	Birdwood Irrig. Dist.	North Platte	Birdwood Canal	Irrig.	100.00	35	15	33	Lincoln	Oct.	21	1893	646	—
Birdwood Cr.	Equitable Farm and Stock Imp. Company	North Platte	West Birdwood Canal	Irrig.	8.57	22	15	33	Lincoln	Jan.	16	1894	652	—
Birdwood Cr.	Saxton, Bert	Sutherland	Beaucamp Canal	Irrig.	3.00	15	15	33	Lincoln	Sept.	19	1894	677	—
Blue Creek	Union Irrig. and Water Power Co.	Lewellen	Union Canal	Irrig.	23.44	18	16	42	Garden	May	16	1890	763	—
Blue Creek	Union Irrig. and Water Power Co.	Lewellen	Graf Canal	Irrig.	1.20	19	16	42	Garden	May	16	1890	763R	—
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen	Union Canal	Supple.	D-763	18	16	42	Garden	Jan.	30	1920	—	1575
			Graf Canal	Supple.	D-763R	19	16	42						

Blue Creek	Hooper Irrig. Dist.	Lewellen	Hooper Canal	Irrig.	12.25	6	16	42	Garden	Sept.	7	1893	781	—
Blue Creek	Hooper Irrig. Dist.	Lewellen	Graf Canal	Irrig.	.21	19	16	42	Garden	Sept.	7	1893	781R	—
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen	Hooper Canal	Supple.	D-781	6	16	42	Garden	Jan.	30	1920	—	1575
			Graf Canal	Supple.	D-781R	19	16	42						
Blue Creek	Blue Creek Irrig. Dist.	Lewellen	Blue Creek Canal	Irrig.	185.71	33	17	42	Garden	Dec.	27	1893	785	—
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen	Blue Creek Canal	Supple.	D-785	33	17	42	Garden	Jan.	30	1920	—	1575
Blue Creek	Meeker Ditch Co.	Lewellen	Graf Canal	Irrig.	31.43	19	16	42	Garden	Apr.	2	1894	788	—
Blue Creek	Meeker Ditch Co.	Lewellen	Hooper Canal	Irrig.	.27	6	16	42	Garden	Apr.	2	1894	788R	—
(Crescent Lake Reservior)	Lake Water Carrying Company	Lewellen	Graf Canal	Supple.	D-788	19	16	42	Garden	Jan.	30	1920	—	1575
			Hooper Canal	Supple.	D-788R	6	16	42						
Blue Creek	Blue Creek Irrig. Dist.	Lewellen	Blue Creek Canal	Irrig.	3.79	21	17	42	Garden	Sept.	27	1894	795	—
(Crescent Lake Reservior)	Lake Water Carrying Company	Lewellen	Blue Creek Canal	Supple.	D-795	21	17	42	Garden	Jan.	30	1920	—	1575
Blue Creek	Paisley Irrig. Dist.	Oshkosh	Paisley Canal	Irrig.	21.00	28	17	42	Garden	Nov.	20	1894	800	—
(No. Platte R.)	Robinson, A. A.	Gering	Midland-Overland Canal	O. D.	D-800	4	16	44	Garden	Nov.	20	1894	—	1742
(Crescent Lake Reservior)	Lake Water Carrying Company	Lewellen	Paisley Canal	Supple.	D-800	28	17	42	Garden	Jan.	30	1920	—	1575
Blue Creek	Paisley Irrig. Dist.	Oshkosh	Paisley Canal	Irrig.	4.00	33	17	42	Garden	July	14	1899	—	515
(Crescent Lake Reservior)	Lake Water Carrying Company	Lewellen	Paisley Canal	Supple.	A-515	33	17	42	Garden	Jan.	30	1920	—	1575
Blue Creek	Eggers, J. E.	Lewellen	Blue Creek Canal	Irrig.	.42	33	17	42	Garden	Jan.	4	1912	—	1154
(Crescent Lake Reservior)	Lake Water Carrying Company	Lewellen	Blue Creek Canal	Supple.	A-1154	33	17	42	Garden	Jan.	30	1920	—	1575
Blue Creek	Paisley Irrig. Dist.	Oshkosh	Paisley Canal	Irrig.	3.30	28	17	42	Garden	Feb.	25	1924	—	1738
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen	Paisley Canal	Supple.	A-1738	28	17	42	Garden	Jan.	30	1920	—	1575
Blue Creek	Blue Creek Public Power and Irrig. Dist.	Lewellen	Blue Creek Reservoir	Irrig.		28	17	42	Garden	Aug.	24	1933	—	2345*
						33	17	42						
Broncho Lake	Miller, True	Alliance	Broncho Lake	Irrig.	1.16	6	24	48	Box Butte	May	7	1926	—	1806
Browns Creek	Haxby, George H.	Bridgeport	Haxberry Canal	Irrig.	.43	19	20	48	Morrill	July	17	1903	—	717

"R" Denotes relocation.
"Supple." Denotes storage water in addition to direct flow.
"O. D." Denotes optional diversion.
*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Buckhorn Spr.	Maddox, Nellie L.	Keystone	Maddox Canal	Irrig.	2.28	8	14	36	Keith	Oct.	3	1908		918
Buffalo Creek (See A-2181)	Kopf, Walter W.	Buffalo	Kopf Pump	Irrig.	.57	21	12	22	Dawson	Mar.	3	1926		1799
Buffalo Creek	Broe, John L. & Thos. F.	Elm Creek	Streiff Pump	Irrig.	1.81	35	9	19	Dawson	Sept.	15	1926		1859
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Elm Creek Canal (Streiff Pump)	Supple.	A-1859	6	8	19	Dawson	Mar.	31	1937		2726
Buffalo Creek	Stryker, Abram I., Estate	Overton	Stryker Pump	Irrig.	1.62	18	9	19	Dawson	July	19	1927		1944
Buffalo Creek	Philpot, W. J.	Overton	Philpot Pump	Irrig.	3.33	28	9	19	Dawson	July	26	1927		1946
Buffalo Creek	Bowden, C. A.	Overton	Bowden Pump	Irrig.	1.65	12	9	20	Dawson	Oct.	10	1927		1959
Buffalo Creek	Mitchell, Geo. E.	Elm Creek	Lloyd Pump	Irrig.	2.16	36	9	19	Dawson	Feb.	20	1928		1985
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Elm Creek Canal (Lloyd Pump)	Supple.	A-1985	6	8	19	Dawson	Mar.	31	1937		2726
Buffalo Creek	Potts, Mrs. Chas. S.	Elm Creek	Potts Pump	Irrig.	4.43	4	8	18	Buffalo	Mar.	5	1928		1988
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Elm Creek Canal (Potts Pump)	Supple.	A-1988	6	8	19	Dawson	Mar.	31	1937		2726
Buffalo Creek	Ross, Julia A.	Elm Creek	Jones Pump	Irrig.	.94	5	8	18	Buffalo	Apr.	30	1928		2012
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Elm Creek Canal (Jones Pump)	Supple.	A-2012	6	8	19	Dawson	Mar.	31	1937		2726
Buffalo Creek	Wilson, Harry W.	Overton	Wilson Canal	Irrig.	2.29	18	9	19	Dawson	Nov.	12	1928		2052
Buffalo Creek (See Mud Cr.)	Ulrich, Maria A.	Elm Creek	Ulrich Pump	Irrig.	.52	1	8	19	Dawson	Feb.	4	1929		2068
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Elm Creek Canal (Ulrich Pump)	Supple.	A-2068	6	8	19	Dawson	Mar.	31	1937		2726
Buffalo Creek	Gilmore, Eliza A.	Murray	Gilmore Pump	Irrig.	1.03	21	9	19	Dawson	Mar.	5	1929		2074
Buffalo Creek	First Trust Co.	Lincoln	Armstrong Canal	Irrig.	.25	33	9	18	Buffalo	June	19	1929		2087
Buffalo Creek	Phillips, Reber D.	Omaha	Phillips Pump	Irrig.	4.57	12	9	20	Dawson	July	13	1929		2089
Buffalo Creek	Jensen, Peter E.	Cozad	Jensen Pump	Irrig.	189AF	21	12	22	Dawson	July	17	1929		2090

Buffalo Creek	Kopf, Walter W.	Buffalo	Kopf Reservoir	Irrig.	1.00	21	11	22	Dawson	Dec.	23	1930	----	2180
(Kopf Res.)	Kopf, Walter W.	Buffalo	Kopf Pump	Irrig.		21	12	22	Dawson	Dec.	23	1930	----	2181
(Kopf Res.)	Kopf, Walter W.	Buffalo	Kopf Pump	Supple.	A-1799	21	12	22	Dawson	Dec.	23	1930	----	2181
Buffalo Creek	Callender, Gladys	Lincoln	Callender Pump	Irrig.		18	9	19	Dawson	June	20	1940	----	3185*
Bull Drain	Norris, David, Estate	Maxwell	Norris Canal	Irrig.	.93	29	13	28	Lincoln	Feb.	18	1932	----	2253
Camp Creek	Wehn, J. H.	Lincoln	Camp Creek Canal	Irrig.	1.43	13	18	49	Morrill	Mar.	16	1892	866	----
Carter Creek	Gardner, Wm. E., Estate	Gering	Carter Canal	Irrig.	3.38	27	21	56	Scotts Bluff	Oct.	13	1922	----	1691
Cedar Creek	Fairchild, Clarence H., et al	Broadwater	Nelson-Radcliffe Canal	Irrig.	2.77	28	18	48	Morrill	June	1	1882	1034a	----
Cedar Creek	Fairchild, Howard E.	Broadwater	Radcliffe Canal No. 2	Irrig.	1.23	34	18	48	Morrill	July	1	1885	1034b	----
Cedar Creek	Rush Creek Land and Live Stock Company	Lisco	Radcliffe Canal No. 3	Irrig.	.76	27	18	48	Morrill	Feb.	14	1890	1034c	----
Clear Creek	Wise, Ada M. Brown, Retta Hooper	Evanston, Ill. Chappell	Clear Creek Canal	Irrig.	2.86	32	16	41	Keith	July	1	1888	748	----
Clear Creek	Clear Creek Irrig. Co.	Lewellen	Barber Canal	Irrig.	14.57	29	16	41	Keith	May	30	1893	754	----
Clear Creek	Clark, Wesley, and Bairn, John	Lewellen	Williams Canal	Irrig.	1.00	28	16	41	Keith	May	18	1894	747	----
Clear Creek	Barber, Mrs. Frank H.	Lincoln	Finch Canal	Irrig.	1.43	4	15	41	Keith	June	30	1895	964	----
Clear Creek	Clear Creek Irrig. Co.	Lewellen	Barber Canal	Irrig.	1.14	29	16	41	Keith	July	5	1911	----	1111
Clear Creek	Scripter, Henrietta	Lewellen	Scripter Canal	Irrig.	2.49	32	16	41	Keith	Oct.	6	1932	----	2288
Clear Creek	Barber, Mrs. F. H. and Harper, R. F.	Lincoln Lewellen	Harper Canal	Irrig.	2.97	32	16	41	Keith	Apr.	15	1933	----	2316
#Clear Creek	Houser, Laura	Columbus	Hegi Resevoir	Irrig.		21	16	1	Polk	May	29	1942	----	3571
Coed Creek	Slafter, Elmer S.	Scottsbluff	Slafter Canal	Irrig.	1.66	17	22	55	Scotts Bluff	July	25	1938	----	2375
Cold Water Cr.	Lisco Irrig. Dist.	Lisco	Cold Water Canal	Irrig.	4.29	26	18	46	Garden	Sept.	29	1894	796	----
Cold Water Cr.	Cold Water Res. Dist.	Lisco	Cold Water Res.	Irrig.		27	18	46	Garden	July	20	1936	----	2591*
Coon Creek	Hansen, Henry P.	North Platte	Coon Creek Canal	Irrig.	.71	34	15	37	Keith	July	3	1895	----	69

"Supple." Denotes storage water in addition to direct flow.
†Reservoir capacity alleged by applicant.
*Application pending.
Clear Creek in Keith County and Clear Creek in Polk County are separate streams.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Coon Creek	Hansen, Henry P.	North Platte	Coon Creek Canal	Irrig.	1.42	34	15	37	Keith	Sept.	16	1912	----	1225
Crescent Lake, et al	Lake Water Carrying Company	Lewellen	Crescent Lake Res.	Irrig.	†7000AF	21	20	44	Garden	Jan.	30	1920	----	1575
(Blue Creek)	Lake Water Carrying Company	Lewellen	Union Canal	Supple.	D-763	18	16	42	Garden	Jan.	30	1920	----	1575
(Blue Creek)	Lake Water Carrying Company	Lewellen	Graf Canal	Supple.	D-763R	19	16	42	Garden	Jan.	30	1920	----	1575
(Blue Creek)	Lake Water Carrying Company	Lewellen	Hooper Canal	Supple.	D-781	6	16	42	Garden	Jan.	30	1920	----	1575
(Blue Creek)	Lake Water Carrying Company	Lewellen	Graf Canal	Supple.	D-781R	19	16	42	Garden	Jan.	30	1920	----	1575
(Blue Creek)	Lake Water Carrying Company	Lewellen	Blue Creek Canal	Supple.	D-785	33	17	42	Garden	Jan.	30	1920	----	1575
(Blue Creek)	Lake Water Carrying Company	Lewellen	Graf Canal	Supple.	D-788	19	16	42	Garden	Jan.	30	1920	----	1575
(Blue Creek)	Lake Water Carrying Company	Lewellen	Hooper Canal	Supple.	D-788R	6	16	42	Garden	Jan.	30	1920	----	1575
(Blue Creek)	Lake Water Carrying Company	Lewellen	Blue Creek Canal	Supple.	D-795	21	17	42	Garden	Jan.	30	1920	----	1575
(Blue Creek)	Lake Water Carrying Company	Lewellen	Paisley Canal	Supple.	D-800	28	17	42	Garden	Jan.	30	1920	----	1575
(Blue Creek)	Lake Water Carrying Company	Lewellen	Paisley Canal	Supple.	A-515	33	17	42	Garden	Jan.	30	1920	----	1575
(Blue Creek)	Lake Water Carrying Company	Lewellen	Blue Creek Canal	Supple.	A-1154	33	17	42	Garden	Jan.	30	1920	----	1575
(Blue Creek)	Lake Water Carrying Company	Lewellen	Paisley Canal	Supple.	A-1738	28	17	42	Garden	Jan.	30	1920	----	1575
(Crescent Lake Reservoir)	Lake Water Carrying Company	Lewellen	Crescent Lake Project	Irrig.	2.06	21	20	44	Garden	Feb.	28	1934	----	2365

Deep Holes Cr.	Finn, J. L.	Broadwater	Finn Canal	Irrig.	.50	28	18	49	Morrill	July	1	1890	836	----
Deep Holes Cr.	Hanway, F. P.	Broadwater	Emma Canal	Irrig.	1.40	3	18	49	Morrill	Mar.	17	1924	----	1740
Dry Ravine	Harvey, Henry M.	Gothenburg	Harvey Reservoir	Irrig.	†35AF	28	9	17	Buffalo	Sept.	28	1937	----	2791
Dugout Creek, Lower	Hecht, Tilford M.	Broadwater	Cooper Canal	Irrig.	.86	4	19	48	Morrill	Aug.	15	1892	872	----
Dugout Creek, Lower	Mulloy, Francis C.	Broadwater	Mulloy Canal	Irrig.	1.00	27	20	48	Morrill	July	18	1907	----	865
Dugout Creek, Lower	Hecht, Tilford M.	Broadwater	Hagerty Canal	Irrig.	1.00	4	19	48	Morrill	Oct.	26	1912	----	1233
Dugout Creek, Lower	Hecht, Tilford M.	Broadwater	Klondyke Reservoir	Supple. A-1238	†3.35AF	4	19	48	Morrill	July	11	1919	----	1547
Elm Creek (Sutherland Reservoir)	Scott, Natonia	Elm Creek	Scott Pump	Irrig.	1.14	29	9	18	Buffalo	Jan.	28	1929	----	2066
	Platte Valley Public Power and Irrig. Dist.	North Platte	Elm Creek Canal (Scott Pump)	Supple. A-2066	6	8	19		Dawson	Mar.	31	1937	----	2726
Fawcus Springs	Oliver, John E.	Bridgeport	Oliver Canal	Irrig.	2.71	24	20	52	Morrill	Apr.	17	1933	----	2317
Gebauer Lake	Gebauer, Paul G. and Davis, Laura	Northport	Gebauer Canal	Irrig.	.80	28	20	50	Morrill	Apr.	25	1930	----	2138
Glenn Springs	Glenn, L. R.	Henry	Glenn Canal	Irrig.	.16	3	23	58	Scotts Bluff	May	29	1933	----	2324
Golden Creek	Thies, M. J.	Ogallala	Thies Canal	Irrig.	2.71	25	15	35	Keith	Sept.	17	1895	----	160
Gravel (Sand) Cr.	Maddox, Nellie L.	Keystone	Sand Creek Canal	Irrig.	15.71	9	14	36	Keith	Jan.	3	1910	----	974
Greenwood Cr.	Keenan, Mary K.	Dalton	Trinnier Canal	Irrig.	6.29	28	18	50	Morrill	Apr.	6	1891	849	----
Greenwood Cr.	Keenan, Mary K.	Dalton	Nelson Canal	Irrig.	3.00	33	18	50	Morrill	Apr.	1	1892	845	----
Greenwood Cr.	Shannon, Ray	Bridgeport	Capron Canal	Irrig.	2.00	15	18	50	Morrill	Jan.	1	1893	890	----
Greenwood Cr.	Meglemre, C. E.	Bridgeport	Meglemre Canal	Irrig.	.57	3	18	50	Morrill	May	6	1896	----	294
Greenwood Cr.	Meglemre, C. E.	Bridgeport	Meglemre Canal	Irrig.	1.14	3	18	50	Morrill	Mar.	11	1907	----	853
Greenwood Cr.	Keenan, Mary K.	Dalton	Trinnier Canal	Irrig.	1.65	28	18	50	Morrill	Aug.	18	1919	----	1551

"Supple." Denotes storage water in addition to direct flow.
†Reservoir capacity alleged by applicant.
*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Ground Water	Jones, Vera Springer	Mitchell	Springer Well	Irrig.		1	22	56	Scotts Bluff	July	24	1939		2939*
Ground Water	Remender, Dora	Morrill	Remender Well	Irrig.		27	24	57	Sioux	Sept.	25	1939		2974*
Ground Water	Cooke, O. F.	Morrill	Cooke Well	Irrig.		4	23	57	Scotts Bluff	Jan.	6	1940		3070*
Ground Water	Schultz, Lester G.	Morrill	Schultz Well	Irrig.		3	23	57	Scotts Bluff	Jan.	11	1940		3075*
Ground Water	Nicholas, Arthur C.	Central City	Nicholas Well	Irrig.		30	13	6	Merrick	Jan.	22	1940		3083*
Ground Water	McCoy, Joe	Morrill	McCoy Well	Irrig.		3	23	57	Scotts Bluff	May	31	1940		3168*
Ground Water	Kunz, James G.	Wood River	Kunz Wells	Irrig.		8	12	10	Hall	June	4	1940		3174*
						9	12	10						
						17	12	10						
Ground Water	Kunz, James G.	Wood River	Kunz Well	Irrig.		7	11	9	Hall	June	4	1940		3175*
Ground Water	Kunz, James G.	Wood River	Kunz Well	Irrig.		16	10	12	Hall	June	4	1940		3176*
Ground Water	Schmidt, John	Paxton	Schmidt Well	Irrig.		23	14	36	Keith	June	11	1940		3178*
Ground Water	Good, Mrs. Elvira J.	Lincoln	Good Wells	Irrig.		1	10	12	Hall	June	17	1940		3182*
						3	10	12						
Ground Water	Cooke, Mrs. Augusta A.	Morrill	Cooke-Andrews Well	Irrig.		3	23	57	Scotts Bluff	June	25	1940		3189*
Ground Water	Snyder, Mrs. W. P.	North Platte	Snyder Well	Irrig.		21	14	36	Keith	July	5	1940		3193*
Ground Water	Hanlon, John A.	Morrill	Hanlon Well	Irrig.		36	24	57	Sioux	July	12	1940		3198*
Ground Water	Peterson, Thorvald	Harrisburg	Peterson Pump	Irrig.		31	19	56	Banner	Aug.	6	1940		3224*
Ground Water	Miller, Howard A.	North Platte	Miller Well	Irrig.		34	14	31	Lincoln	Sept.	10	1940		3260*
Ground Water	Amundsen, Alfred E.	Morrill	Amundsen Well	Irrig.		31	24	56	Sioux	Sept.	11	1940		3261*
Ground Water	Stockwell, Elsie J.	Morrill	Stockwell Well	Irrig.		2	23	57	Scotts Bluff	Sept.	18	1940		3269*
Ground Water	Fouts, Frederick	Central City	Foutz Well	Irrig.		17	14	6	Merrick	Sept.	20	1940		3270*
Ground Water	Carlson, Lillian D.	Gothenburg	Carlson Well	Irrig.		18	12	24	Dawson	Oct.	7	1940		3283*
Ground Water	Dubbs, Mrs. Lillie F.	Shelton	Dubbs Well	Irrig.		33	11	12	Hall	Oct.	15	1940		3296*
Ground Water	Riddell, Dr. Ted E.	Scottsbluff	Riddell Well	Irrig.		19	21	53	Scotts Bluff	Oct.	18	1940		3299*
Ground Water	Kamann, Mrs. Wilhelmina	Morrill	Kamann Pump	Irrig.		1	23	57	Scotts Bluff	Oct.	29	1940		3312*
Ground Water	Fuerst, Otto	Scottsbluff	Fuerst Well	Irrig.		7	23	56	Scotts Bluff	Oct.	31	1940		3317*
Ground Water	Schutz, John W.	St. Libory	Schutz Well	Irrig.		14	13	8	Merrick	Nov.	5	1940		3325*

Ground	Water	Schutz, Henry	St. Libory	Schutz Well	Irrig.	14	13	8	Merrick	Nov.	5	1940	—	3326*
Ground	Water	Wyatt, L. D.	Harrisburg	Wyatt Well	Irrig.	35	19	56	Banner	Nov.	7	1940	—	3327*
Ground	Water	Robbins, G. H.	Shelton	Robbins Wells	Irrig.	33	10	13	Buffalo	Dec.	6	1940	—	3342*
Ground	Water	Arbuckle, Roy	Kearney	Arbuckle Wells	Irrig.	28	9	15	Buffalo	Dec.	12	1940	—	3352*
						21	9	15						
						29	9	15						
Ground	Water	Jeffries, Leota Arbuckle	Kearney	Jeffries Wells	Irrig.	21	9	15	Buffalo	Dec.	12	1940	—	3353*
Ground	Water	Heider, Bonnie C.	North Platte	Heider Well	Irrig.	14	14	32	Lincoln	Dec.	14	1940	—	3354*
Ground	Water	Pieper, Harry A.	Mitchell	Pieper Well	Irrig.	11	22	56	Scotts Bluff	Dec.	19	1940	—	3356*
Ground	Water	Heider, Bonnie C.	North Platte	Heider Well	Irrig.	12	14	33	Lincoln	Dec.	23	1940	—	3359*
Ground	Water	Heider, Bonnie C.	North Platte	Heider Well	Irrig.	12	14	33	Lincoln	Dec.	23	1940	—	3360*
Ground	Water	Shelby, A. M.	Long Beach, Calif.	Shelby Well	Irrig.	16	13	30	Lincoln	Jan.	18	1941	—	3371*
Ground	Water	Travis, Ernest	Morrill	Travis Well	Irrig.	17	23	57	Scotts Bluff	Jan.	24	1941	—	3377*
Ground	Water	Johnson, E. H. & O. H.	Omaha	Johnson Well	Irrig.	22	23	57	Scotts Bluff	Jan.	28	1941	—	3379*
Ground	Water	Hobson, Paul	Morrill	Hobson Well	Irrig.	21	24	57	Sioux	Feb.	5	1941	—	3383*
Ground	Water	Robbins, Gordon H.	Shelton	Robbins Well	Irrig.	15	9	13	Buffalo	Feb.	6	1941	—	3385*
Ground	Water	Kuskie, Bert C.	Brule	Kuskie Well	Irrig.	25	13	40	Keith	Feb.	10	1941	—	3386*
Ground	Water	Misek, A. A.	Brainard	Misek Well	Irrig.	36	13	8	Merrick	Feb.	11	1941	—	3388*
Ground	Water	Neil, Leo	Cozad	Neil Well	Irrig.	2	9	23	Dawson	Feb.	18	1941	—	3397*
Ground	Water	Janssen, Emil H.	Morrill	Janssen Well	Irrig.	26	24	57	Sioux	Mar.	1	1941	—	3406*
Ground	Water	Johnson, August B.	Morrill	Johnson Well	Irrig.	16	24	57	Sioux	Mar.	5	1941	—	3410*
Ground	Water	Whipple, Lydia E.	Mitchell	Whipple Well	Irrig.	9	22	56	Scotts Bluff	Mar.	31	1941	—	3421*
Ground	Water	Finke, Henry	Grand Island	Finke Well	Irrig.	34	9	19	Dawson	Apr.	21	1941	—	3431*
Ground	Water	Birdsall, James L., et al	Morrill	Plummer-Birdsall Well	Irrig.	1	23	57	Scotts Bluff	Apr.	29	1941	—	3435*
Ground	Water	Warner, L. H.	Harrisburg	Warner Well	Irrig.	3	19	57	Banner	June	5	1941	—	3448*
Ground	Water	The Prudential Ins. Co. of America	Omaha	Wilson-The Prudential Ins. Co. Well	Irrig.	9	9	19	Dawson	July	25	1941	—	3462*
Ground	Water	The Prudential Ins. Co. of America	Omaha	Radford-The Prudential Ins. Co. Wells	Irrig.	19	8	14	Kearney	July	25	1941	—	3463*
Ground	Water	The Prudential Ins. Co. of America	Omaha	Scott-The Prudential Ins. Co Well	Irrig.	4	9	14	Buffalo	July	25	1941	—	3464*
Ground	Water	The Prudential Ins. Co. of America	Omaha	Mahr-The Prudential Ins. Co. Well	Irrig.	7	9	20	Dawson	July	25	1941	—	3465*

*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Appropriator Name of	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Ground Water	The Prudential Ins. Co. of America	Omaha	Ralston-The Prudential Ins. Co. Well	Irrig.		4	11	25	Dawson	July	25	1941	—	3466*
Ground Water	The Prudential Ins. Co. of America	Omaha	Schultze-The Prudential Ins. Co. Well	Irrig.		25	11	22	Dawson	July	25	1941	—	3467*
Ground Water	The Prudential Ins. Co. of America	Omaha	Smith-The Prudential Ins. Co. Well	Irrig.		26	11	22	Dawson	July	25	1941	—	3471*
Ground Water	Weldon, Ella M.	Oshkosh	Weldon Well	Irrig.		30	10	11	Hall	Sept.	5	1941	—	3493*
Ground Water	Robbins, Harold R.	Shelton	Harold R. Robbins Well	Irrig.		25	10	13	Buffalo	Sept.	10	1941	—	3500*
Ground Water	Robbins, Maude M.	Los Angeles Calif.	Harold R. Robbins Wells	Irrig.		13	10	13	Buffalo	Sept.	10	1941	—	3501*
Ground Water	Robbins, Maude M.	Los Angeles Calif.	Maude M. Robbins Well	Irrig.		27	10	13	Buffalo	Sept.	10	1941	—	3502*
Ground Water	Garrison, George E.	Lexington	Garrison Well	Irrig.		35	10	21	Dawson	Sept.	29	1941	—	3512*
Ground Water	Garrison, H. W. and Arthur H.	Lexington	Garrison Well	Irrig.		19	10	21	Dawson	Sept.	29	1941	—	3513*
Ground Water	Robbins, Gordon H.	Shelton	Robbins Well	Irrig.		29	10	13	Buffalo	Oct.	7	1941	—	3515*
Ground Water	Stauffer, F. F.	Gering	Stauffer Well	Irrig.		20	19	55	Banner	Feb.	13	1942	—	3551*
Ground Water	Van Wey, Glen	Gothenburg	Van Wey Well	Irrig.		11	12	25	Dawson	June	11	1942	—	3576*
Ground Water	Good, Mrs. O. M.	Lincoln	Good Well	Irrig.		5	10	11	Hall	June	29	1942	—	3579*
Horse Creek	Mihan, John, Estate	Lyman	State Line Canal	Irrig.	10.00	33	25	58	Scotts Bluff	Sept.	10	1897	—	407
Horse Creek	Braziel and Marsh	Morrill	Marsh-Braziel Canal	Irrig.	7.19	4	22	60	Wyoming	Nov.	24	1908	—	921
Horse Creek	Gilmore Ditch Ass'n	Morrill	State Line (Gilmore) Canal	Irrig.	3.71	33	23	58	Scotts Bluff	Feb.	21	1910	—	983
Horse Creek	Mihan, John, Estate	Lyman	State Line Canal	Irrig.	2.00	33	23	58	Scotts Bluff	Apr.	21	1910	—	994
Horse Creek	Casteel and Jackson	Henry	State Line (Jackson) Canal	Irrig.	1.00	33	23	58	Scotts Bluff	May	19	1910	—	1000
Horse Creek	Braziel and Marsh	Morrill	Marsh-Braziel Canal	Irrig.	13.00	4	22	60	Wyoming	Sept.	18	1911	—	1126

Horse Creek	Great Western Sugar Company	Scottsbluff	Lyman Factory	Mfg.	15.00	34	23	58	Scotts Bluff	June	16	1926	----	1819
Hoth Draw	Great Western Sugar Company	Scottsbluff	Bayard Factory	Mfg.	15.00	34	21	52	Morrill	Oct.	4	1920	----	1593
Huffman Lake	Crabill, Ed E., et al	Melbeta	Huffman Canal	Irrig.	1.60	26	21	54	Scotts Bluff	Mar.	19	1909	----	937
Huntington Spr.	Card, Fred	Lyman	Card Canal	Irrig.	1.43	9	20	58	Scotts Bluff	Dec.	23	1904	----	778
Kiowa Creek	Currie, Edw. A	Mitchell	Currie Canal	Irrig.	9.14	13	21	57	Scotts Bluff	Mar.	23	1892	938	----
Kiowa Creek	Kellums, John H.	Morrill	Kellums Canal	Irrig.	1.43	11	22	58	Scotts Bluff	Oct.	18	1901	----	641
Kiowa Creek	Kellums, John H.	Morrill	Kellums Canal No. 2	Irrig.	.06	1	22	58	Scotts Bluff	Nov.	29	1907	----	880
Lake C. W. McConaughy (Kingsely Res. See North Platte R.)	The Central Nebraska Public Power and Irrigation District	Hastings	The Central Nebraska Supply Canal	Supple.	A-2354	8	13	29	Lincoln	July	28	1941	----	3475
				Supple.	A-3474	8	13	29	Lincoln	July	28	1941	----	3475
Lake C W. McConaughy (Kingsley Res. See North Platte R.)	The Central Nebraska Public Power and Irrigation District	Hastings	The Central Nebraska Supply Canal	Supple.	A-2355	8	13	29	Lincoln	July	28	1941	----	3476
				Irrig.		8	13	29	Lincoln	July	28	1941	----	3476
Lawrence Fork	Randall, Wm. H.	Bridgeport	Laing Canal	Irrig.	.50	28	18	52	Morrill	Dec.	31	1886	825	----
Lawrence Fork	Gilman, Bryon and Crigler, E. S.	Redington	Redington Canal	Irrig.	.57	36	19	52	Morrill	Oct.	9	1889	830	----
Lawrence Fork	Lindberg, Fred R. Estate	Bridgeport	Crigler Canal	Irrig.	.57	1	18	52	Morrill	Sept.	11	1891	861	----
Lawrence Fork	Niehus, Joseph W.	Bridgeport	Spring Branch Canal	Irrig.	1.00	11	18	52	Morrill	Oct.	23	1891	862	----
Lawrence Fork	Niehus, Joseph W.	Bridgeport	Spring Branch Canal	Irrig.	.50	11	18	52	Morrill	May	1	1893	893	----
Lawrence Fork	Lindberg, Fred R., Estate	Bridgeport	Crigler Canal	Irrig.	1.43	1	18	52	Morrill	Nov.	25	1898	----	486
Lawrence Fork	Lindberg, John P., Estate, Johnson, Adolph, Executor	Kackley, Kan.	Niehus Canal	Irrig.	.86	11	18	52	Morrill	Mar.	23	1900	----	550
Lawrence Fork	Niehus, Joseph W.	Bridgeport	Spring Branch Canal	Irrig.	1.43	11	18	52	Morrill	May	27	1902	----	669

*Application pending.
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CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Lawrence Fork	Randall, Wm. H.	Bridgeport	Randall Canal	Irrig.	2.40	21	18	52	Morrill	May	15	1911	----	1100
Lawrence Fork	King, Wm. O.	Kearney	King Canal	Irrig.	4.00	15	18	52	Morrill	Dec.	8	1915	----	1440
Lawrence Fork	King, Wm. O.	Kearney	King Canal	Irrig.	1.00	15	18	52	Morrill	July	3	1920	----	1587
Lawrence Fork	Niehus, J. W.	Bridgeport	Hopeful Canal	Irrig.	1.43	1	18	52	Morrill	Apr.	19	1930	----	2135
Lawrence Fork	Niehus, J. W.	Bridgeport	Pearl Canal	Irrig.	.58	11	18	52	Morrill	Sept.	30	1935	----	2560
Lonergan Creek	Soehl, Herman H.	Lemoyne	Soehl Canal	Irrig.	2.00	17	15	39	Keith	May	10	1889	697a	----
Lonergan Creek	Jacobs, Lee, Estate	Lemoyne	Lonergan Canal	Irrig.	9.15	17	15	39	Keith	May	25	1889	699	----
Lonergan Creek	Soehl, Herman H.	Lemoyne	Soehl Canal	Irrig.	.86	17	15	39	Keith	Apr.	27	1893	697b	----
Lonergan Creek	Stansbery, Elvina	Lemoyne	Haney Canal	Irrig.	1.14	17	15	39	Keith	July	1	1893	719	----
Lost Creek	Campbell, Wm. N.	Oshkosh	Campbell Pump	Irrig.	1.69	11	17	44	Garden	Dec.	23	1929	----	2118
Mathews Creek	Mathews, Benj, G., Estate	Keystone	Mathews Canal	Irrig.	1.14	28	15	37	Keith	Apr.	1	1895	750	----
Middle Creek	Miller, J. L.	Bridgeport	Miller Upper Canal	Irrig.	.56	33	18	51	Morrill	Oct.	19	1936	----	2646
			Miller Lower Canal	Irrig.	.85	28	18	51						
Mud Creek (See Buffalo Cr.)	Ulrich, Maria A.	Elm Creek	Ulrich Pump	Irrig.	4.20	1	8	19	Dawson	Feb.	4	1929	----	2068
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Elm Creek Canal (Ulrich Pump)	Supple.	A-2068	6	8	19	Dawson	Mar.	31	1937	----	2726
Nealy Springs	Covington, Paul H.	Morrill	Covington Pipe Line	Irrig.	.06	11	23	58	Scotts Bluff	Mar.	27	1933	----	2311
Nealy Springs	Nealy, Daisy	Henry	Nealy Canal	Irrig.	.38	11	23	58	Scotts Bluff	Aug.	3	1934	----	2454
North Platte R.	Platte Valley Irrig. District	Hershey	North Platte Canal	Irrig.	300.00	13	14	34	Lincoln	May	31	1884	635	----
(Lincoln County Drainage District No. 1, Ditch No. 2)	Reimers, Oscar	Grand Island	Reimers Pump	O. D.	D-635	30	14	31	Lincoln	May	31	1884	----	2459

(Lincoln County Drainage District No. 1, Ditch No. 1)	Frame, Rolland	Hershey	Frame Pump	O. D.	D-635	21	14	32	Lincoln	May	31	1884	----	2694
(Lincoln County Drainage District No. 1, Ditch No. 1)	Brownfield, Geo. V.	Hershey	Brownfield Pump	O. D.	D-635	29	14	32	Lincoln	May	31	1884	P211*	----
North Platte R.	Farmers Irrig. Dist.	Scottsbluff	Tri-State (Farmers) Canal	Irrig.	901.93	3	23	58	Scotts Bluff	Sept.	16	1887	918	----
North Platte R.	Farmers Irrig. Dist.	Scottsbluff	Ramshorn Canal	Irrig.	3.07	13	23	58	Scotts Bluff	Sept.	16	1887	918R	----
(Pathfinder Reservoir)	Farmers Irrig. Dist.	Scottsbluff	Tri-State Canal	Supple.	D-918	3	23	58	Scotts Bluff				----	768
(Alliance Drain Feeder)	Farmers Irrig. Dist.	Scottsbluff	Tri-State Canal	O. D.	D-918	18	22	53	Scotts Bluff	Sept.	16	1887	P189*	----
(Dry Spotted Tail Creek)	Hrasky, Frank and Warner, Violet A.	Mitchell	Roberts Canal	O. D.	D-918	16	23	56	Scotts Bluff	Sept.	16	1887	----	1241
(Dry Spotted Tail Feeder)	Farmers Irrig. Dist.	Scottsbluff	Tri-State Canal	O. D.	D-918	4	23	56	Scotts Bluff	Sept.	16	1887	P188*	----
(Dry Spotted Tail Creek)	Kellum, John H.	Morrill	Kellum Canal	O. D.	D-918	16	23	56	Scotts Bluff	Sept.	16	1887	P195	----
(Farmers Canal Seep)	Warner, Frank	Morrill	Warner Canal	O. D.	D-918	12	23	57	Scotts Bluff	Sept.	16	1887	----	1769
(Hoth Draw)	O'Holloren, Jas.	Bayard	O'Holloren Canal	O. D.	D-918	28	21	52	Morrill	Sept.	16	1887	----	1473
(Sheep Creek)	Sheep Creek Lateral Co.	Morrill	Sheep Creek Lateral	O. D.	D-918	8	23	57	Scotts Bluff	Sept.	16	1887	----	1176
(Sheep Creek)	Sheep Creek Lateral Co.	Morrill	Sheep Creek Lateral	O. D.	D-918	8	23	57	Scotts Bluff	Sept.	16	1887	----	1398
(Sheep Creek)	Farmers Irrig. Dist.	Scottsbluff	Tri-State Canal	O. D.	D-918	8	23	57	Scotts Bluff	Sept.	16	1887	P191*	----
(Tub Springs Feeder)	Farmers Irrig. Dist.	Scottsbluff	Tri-State Canal	O. D.	D-918	27	23	55	Scotts Bluff	Sept.	16	1887	P192*	----
(Wet Spotted Tail Creek)	Stewart, H. G.	Mitchell	Stewart Canal	O. D.	D-918	10	23	56	Scotts Bluff	Sept.	16	1887	449	----
(Wet Spotted Tail Creek)	Farmers Irrig. Dist.	Scottsbluff	Tri-State Canal	O. D.	D-918	10	23	56	Scotts Bluff	Sept.	16	1887	P190*	----

"Supple." Denotes storage water in addition to direct flow.
"O. D." Denotes optional diversion.
*Petition pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
North Platte R.	Minatare Mutual Canal and Irrig. Co.	Minatare	Minatare Canal	Irrig.	249.43	32	22	54	Scotts Bluff	Jan.	14	1888	919	----
(Minatare Drain)	Gentry, B. F.	Gering	Minatare Drain Lateral	O. D.	D-919	3	21	53	Scotts Bluff	Jan.	14	1888	P245	----
(Taylor Drain)	Oberlies, L. C.	Tacoma, Wash	Oberlies Canal	O. D.	D-919	3	21	53	Scotts Bluff	Jan.	14	1888	----	2502
North Platte R.	Winters Creek Irrig. Company	Scottsbluff	Winters Creek Canal	Irrig.	124.29	17	22	55	Scotts Bluff	Oct.	18	1888	952	----
(Winters Creek)	Winters Creek Irrig. Company	Scottsbluff	Winters Creek Canal	O. D.	D-952	19	22	54	Scotts Bluff	Oct.	18	1888	----	1446
North Platte R.	Enterprise Irrig. Dist.	Scottsbluff	Enterprise Canal	Irrig.	138.68	27	33	57	Scotts Bluff	Mar.	28	1889	920	----
(Nelson or Akers Draw)	Enterprise Irrig. Dist.	Scottsbluff	Nelson Draw Canal	O. D.	D-920	13	23	57	Scotts Bluff	Mar.	28	1889	----	1290
(Dry Spotted Tail Creek)	Enterprise Irrig. Dist.	Scottsbluff	Dry Spotted Tail Creek Lateral	O. D.	D-920	20	23	56	Scotts Bluff	Mar.	28	1889	920	----
(Toohey Drain)	Fanning, Leo. T.	Mitchell	Fanning Pump	O. D.	D-920	20	23	56	Scotts Bluff	Mar.	28	1889	----	2413
(Tub Springs)	Enterprise Irrig. Dist.	Scottsbluff	Tub Springs Lateral	O. D.	D-920	33	23	55	Scotts Bluff	Mar.	28	1889	P234	----
(Wet Spotted Tail Creek)	Enterprise Irrig. Dist.	Scottsbluff	Wet Spotted Tail Lateral	O. D.	D-920	22	23	56	Scotts Bluff	Mar.	28	1889	P235	----
(Winters Creek)	Enterprise Irrig. Dist.	Scottsbluff	Enterprise Lateral	O. D.	D-920	8	22	54	Scotts Bluff	Mar.	28	1889	----	2409
North Platte R.	Castle Rock Irrig Dist.	McGrew	Castle Rock Canal	Irrig.	82.57	4	21	54	Scotts Bluff	Apr.	18	1889	921	----
North Platte R.	Logan Irrigation Co.	Bridgeport	Logan Canal	Irrig.	5.71	24	20	51	Morrill	Oct.	17	1889	821	----
North Platte R.	Bridgeport Irrig. Dist.	Bridgeport	Belmont Canal	Irrig.	270.09	18	20	51	Morrill	Dec.	19	1889	828	----
(Atkins Drain)	Story, J. M.	Broadwater	Atkins Canal	O. D.	D-828	15	19	49	Morrill	Dec.	19	1889	----	1450
(Cedar Creek)	Bridgeport Irrig. Dist.	Bridgeport	Cedar Creek Feeder	O. D.	D-828	23	18	48	Morrill	Dec.	19	1889	----	1357
North Platte R.	Mitchell Irrig. Dist.	Mitchell	Mitchell Canal	Irrig.	194.29	10	23	60	Wyoming	June	20	1890	1052	----
North Platte R.	Central Irrig. Dist.	Gering	Central Canal	Irrig.	36.00	27	22	55	Scotts Bluff	June	23	1890	926	----
(Pathfinder Reservoir)	Central Irrig. Dist.	Gering	Central Canal	Supple.	D-926	27	22	55	Scotts Bluff				----	768
North Platte R.	Sheridan, J. Wake, Estate	Paxton	Sheridan-Wilson Canal	Irrig.	10.00	19	14	35	Keith	Oct.	9	1890	710	----

North Platte R.	Chimney Rock Irrig. Dist.	Bayard	Chimney Rock Canal	Irrig.	60.00	1	20	53	Scotts Bluff	Dec.	3	1890	844	—
North Platte R.	Chimney Rock Irrig. Dist.	Bayard	Chimney Rock Canal	Irrig.		1	20	53	Scotts Bluff	Dec.	3	1890	1031	—
(Pathfinder Reservoir)	Chimney Rock Irrig. Dist.	Bayard	Chimney Rock Canal	Supple.	D-844	1	20	53	Scotts Bluff				—	768
				Supple.	D-1031									
North Platte R. (Anderson Seep)	Empire Canal Company	Bridgeport	Empire Canal	Irrig.	28.57	18	20	51	Morrill	June	25	1891	858	—
	Clarke, M. G.	Okmulgee, Okla.	Gordon Canal	O. D.	D-858	26	20	51	Morrill	June	25	1891	—	2248
North Platte R.	Kah, D., Estate	Minatare	Kah Canal	Irrig.	4.57	11	21	54	Scotts Bluff	Nov.	1	1891	944	—
North Platte R.	Brown Creek Irrigation District	Bridgeport	Brown Creek Canal	Irrig.	188.71	29	20	50	Morrill	Jan.	20	1892	857	—
North Platte R.	Brown Creek Irrigation District	Bridgeport	Brown Creek Canal	Irrig.		29	20	50	Morrill	Jan.	20	1892	1033	—
(Pathfinder Reservoir)	Brown Creek Irrigation District	Bridgeport	Brown Creek Canal	Supple.	D-857	29	20	50	Morrill				—	768
				Supple.	D-1033									
North Platte R.	Alliance Irrig. Dist.	Bridgeport	Alliance Canal	Irrig.	100.00	5	20	52	Morrill	Dec.	26	1892	874	—
North Platte R.	Alliance Irrig. Dist.	Bridgeport	Alliance Canal	Irrig.		5	20	52	Morrill	Dec.	26	1892	1035	—
(Bayard Sugar Factory Drain)	Alliance Irrig. Dist.	Bridgeport	Alliance Canal	O. D.	D-874	5	20	52	Morrill	Dec.	26	1892	—	1776
(Red Willow Creek)	Alliance Irrig. Dist.	Bridgeport	Alliance Canal	O. D.	D-874	6	20	51	Morrill	Dec.	26	1892	—	1429
North Platte R.	Ramshorn Irrig. Dist.	Morrill	Ramshorn Canal	Irrig.	45.71	13	23	58	Scotts Bluff	Mar.	20	1893	945	—
North Platte R.	Short Line Irrig. Dist.	Bayard	Short Line Canal	Irrig.	65.57	25	21	53	Scotts Bluff	May	1	1893	946	—
North Platte R.	Lisco Irrig. Dist.	Lisco	Lisco Canal	Irrig.	19.85	14	18	47	Morrill	July	1	1893	856	—
North Platte R.	Nine Mile Irrig. Dist.	Bayard	Nine Mile Canal	Irrig.	200.00	18	21	53	Scotts Bluff	Dec.	6	1893	925	—
(Nine Mile Draw)	Nine Mile Irrig. Dist.	Bayard	Nine Mile Canal	O. D.	D-925	10	21	53	Scotts Bluff	Dec.	6	1893	—	1431
North Platte R.	Cody Land and Cattle Co.	North Platte	Cody-Dillon Canal	Irrig.	125.81	9	14	31	Lincoln	Dec.	29	1893	649	—
North Platte R.	Maloney, W. R.	North Platte	Maloney Pump	Irrig.	1.19	29	14	30	Lincoln	Dec.	29	1893	649R	—
North Platte R.	Keith-Lincoln County Irrig. District	Sutherland	Keith-Lincoln Canal	Irrig.	186.00	18	14	36	Keith	Feb.	2	1894	722	—

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"R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
North Platte R.	Paxton-Hershey Water Co.	Hershey	Paxton-Hershey Canal	Irrig.	130.00	18	14	33	Lincoln	Feb.	12	1894	653	.....
North Platte R.	Lisco Irrig. Dist.	Lisco	Lisco Canal	Irrig.	5.37	14	18	47	Morrill	Mar.	27	1894	787R	.....
North Platte R.	No. River Irrig. Dist.	Oshkosh	Lisco Canal	Irrig.	12.49	14	18	47	Morrill	Mar.	27	1894	787R	.....
North Platte R.	Suburban Irrig. Dist.	North Platte	Suburban Canal	Irrig.	133.00	12	14	33	Lincoln	May	22	1894	662	.....
(Lincoln County Drainage District No. 1, Ditch No. 1)	Evans, R. V.	Wallace	Evans Pump	O. D.	D-662	26	14	31	Lincoln	May	22	1894	.....	2638
(Lincoln County Drainage District No. 1, Ditch No. 2)	Suburban Irrig. Dist.	North Platte	Suburban Canal	O. D.	D-662	29	14	31	Lincoln	May	22	1894	.....	2648
(Lincoln County Drainage District No. 1, Ditch No. 2)	Evans, R. V.	Wallace	Evans Pump	O. D.	D-662	26	14	31	Lincoln	May	22	1894	P-198	.....
(Lincoln County Drainage District No. 1, Ditch No. 1)	Suburban Irrig. Dist.	North Platte	Suburban Canal	O. D.	D-662	25	14	32	Lincoln	May	22	1894	P-213	.....
North Platte R.	Roberts, C. F.	Lewellen	Midland-Overland Canal	Irrig.	12.00	4	16	44	Garden	June	9	1894	789	.....
North Platte R.	Contryman, Chas., et al	Oshkosh	Midland-Overland Canal	Irrig.	20.00	4	16	44	Garden	Aug.	14	1894	791	.....
North Platte R.	Hannah Irrig. Co.	Lisco	Hannah Canal	Irrig.	5.71	24	18	47	Morrill	Sept.	24	1894	886	.....
North Platte R.	Oshkosh Irrig. Dist.	Oshkosh	Oshkosh Canal	Irrig.	40.00	33	17	44	Garden	Oct.	5	1894	797	.....
North Platte R.	Beerline Canal Co.	Broadwater	Beerline Canal	Irrig.	30.00	24	19	49	Morrill	Oct.	13	1894	887	.....
(Pathfinder Reservoir)	Beerline Canal Co.	Broadwater	Beerline Canal	Supple.	D-887	24	19	49	Morrill				.....	786
North Platte R.	Spohn, William	Oshkosh	Spohn Canal	Irrig.	13.14	13	17	45	Garden	Dec.	6	1894	801	.....

North Platte R.	Rush Creek Irrig. Co.	Lisco	Rush Creek Canal	Irrig.	9.64	2	17	46	Garden	Dec.	11	1894	802	----
North Platte R.	Lyons Irrig. District	Oshkosh	Lyons Canal	Irrig.	38.49	30	17	44	Garden	Dec.	22	1894	803	----
North Platte R.	Spohn, Wm.	Oshkosh	Spohn Canal	Irrig.	2.40	13	17	45	Garden	Dec.	22	1894	803R	----
North Platte R.	Western Land and Cattle Company	Omaha	Signal Bluff Canal	Irrig.	30.13	16	16	43	Garden	Jan.	16	1895	807	----
North Platte R.	Alfalfa Irrig. District	Ogallala	Alfalfa Canal	Irrig.	100.00	1	15	42	Garden	Mar.	25	1895	738	----
North Platte R.	Steamboat Irrig. Dist.	Melbeta	Steamboat Canal	Irrig.	15.00	4	21	54	Scotts Bluff	Oct.	22	1895	----	186
North Platte R.	North River Irrig. Canal and Water Power Company	Oshkosh	North River Canal	Irrig.	81.00	14	18	47	Morrill	Feb.	24	1896	----	243
North Platte R.	No. River Irrig. Dist.	Oshkosh	North River Canal	Irrig.	76.00	14	18	47	Morrill	Feb.	24	1896	----	243R
North Platte R.	No. River Irrig. Dist.	Oshkosh	Oshkosh Canal	Irrig.	2.29	33	17	44	Garden	Feb.	24	1896	----	243R
North Platte R.	Lisco Irrig. Dist.	Lisco	Lisco Canal	Irrig.	9.00	14	18	47	Morrill	Feb.	24	1896	----	243R
North Platte R.	Lees Creek Mutual Irrig. Company	Broadwater	Lamore Canal	Irrig.	20.00	34	19	48	Morrill	July	18	1896	----	327
North Platte R.	Steamboat Irrig. District	Melbeta	Steamboat Canal.	Irrig.	.86	4	21	54	Scotts Bluff	July	22	1896	----	350
North Platte R.	Gering Irrig. Dist.	Gering	Gering Canal	Irrig.	208.87	4	23	58	Scotts Bluff	Mar.	15	1897	----	365
(Pathfinder Reservoir)	Gering Irrig. Dist.	Gering	Gering Canal	Supple.	A-365	4	23	58	Scotts Bluff				----	768
North Platte R.	Schermerhorn Irrig. Company	Bridgeport	Schermerhorn Canal	Irrig.	29.71	16	20	51	Morrill	Oct.	25	1897	----	418
(Camp Clark Seep and Red Willow Cr.)	Schermerhorn Irrig. Company	Bridgeport	Alliance Canal	O. D.	A-418	9	20	51	Morrill	Oct.	25	1897	----	2088
(Degraw Drain)	Mitchell, Bertha N.	Scottsbluff	Schermerhorn Canal	O. D.	A-418	14	20	51	Morrill	Oct.	25	1897	----	P-226
North Platte R.	Farmers Irrig. Dist.	Scottsbluff	Tri-State (Columbia) Canal	Irrig.	606.09	3	23	58	Scotts Bluff	Apr.	14	1902	----	660
(Pathfinder Reservoir)	Farmers Irrig. Dist.	Scottsbluff	Tri-State (Columbia) Canal	Supple.	A-660	3	23	58	Scotts Bluff				----	768
North Platte R.	Dept. of the Interior U. S. R. S.	Denver, Colo.	Pathfinder Reservoir	Irrig.	†1,070,000 AF	34	29	84	Wyoming	Sept.	19	1904	----	768

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†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
North Platte R.	Pathfinder Irrig. Dist.	Mitchell	Inter-State Canal	Irrig.	1572.00	11	26	65	Wyoming	Sept.	19	1904	.....	768
(Pathfinder Reservoir)	Pathfinder Irrig. Dist.	Mitchell	Inter-State Canal	Supple.	A-768	11	26	65	Wyoming				.....	768
North Platte R.	Northport Irrig. Dist.	Bridgeport	Tri-State Canal	Irrig.	230.00	11	26	65	Wyoming	Sept.	19	1904	.....	768
(Pathfinder Reservoir)	Northport Irrig. Dist.	Bridgeport	Tri-State Canal	Supple.	A-768	11	26	65	Wyoming				.....	768
North Platte R.	Gering and Fort Laramie Irrig. Dist.	Gering	Gering and Fort Laramie Canal	Irrig.	784.00	11	26	65	Wyoming	Sept.	19	1904	.....	768
(Pathfinder Reservoir)	Gering and Fort Laramie Irrig. Dist.	Gering	Gering and Fort Laramie Canal	Supple.	A-768	11	26	65	Wyoming				.....	768
North Platte R.	Liebhardt Brothers	Denver, Colo.	Empire Canal	Irrig.	1.00	18	20	51	Morrill	July	20	1907	.....	866
North Platte R.	Lisco Irrig. Dist.	Lisco	Lisco Canal	Irrig.	3.00	14	18	47	Garden	Apr.	6	1910	.....	991
North Platte R.	French Ditch Co.	Lyman	French Canal	Irrig.	11.00	9	23	60	Wyoming	Dec.	21	1911	.....	1149
North Platte R.	Dobson, Mary E.	Monrovia, Cal.	Dobson Canal	Irrig.	3.14	5	20	52	Morrill	Feb.	28	1912	.....	1181
(Red Willow Creek)	Dobson, Mary E.	Monrovia, Cal.	Dobson Canal	O. D.	A-1181	12	20	51	Morrill	Feb.	28	1912	.....	1432
North Platte R.	Stone, Myron H.	San Diego, Cal.	Stone Canal	Irrig.	1.00	28	18	46	Morrill	Jan.	19	1915	.....	1401
North Platte R.	French Ditch Co.	Lyman	French Canal	Irrig.	3.00	9	23	60	Wyoming	Sept.	11	1915	.....	1433
North Platte R. and Red Willow Creek	Dobson, Mary E.	Monrovia, Cal.	Dobson Lateral	Irrig.	.57	12	20	51	Morrill	Nov.	3	1915	.....	1436
North Platte R.	Liebhardt, Harry G.	Denver, Colo.	Liebhardt Lateral	Irrig.	2.92	6	20	52	Morrill	Mar.	1	1916	.....	1448
North Platte R.	Intermountain Railway Light and Power Company	Colo. Springs, Colo.	Gering Hydroelectric Plant	Power	250.00	10	23	60	Wyoming	Apr.	15	1916	.....	1452

North Platte R.	U. P. Railroad Co.	Omaha	Locomotive Water Supply	Dom.	1.00	29	14	30	Lincoln	Jan.	19	1917	—	1472
North Platte R.	French Ditch Co.	Lyman	French Canal	Irrig.	.60	9	23	60	Wyoming	Mar.	20	1920	—	1581
North Platte R.	North Platte Water Department	North Platte	Water Supply	Steam	.125	29	14	30	Lincoln	Mar.	16	1927	—	1912
North Platte R.	Great Western Sugar Company	Scottsbluff	Gering Factory	Mfg.	15.00	36	22	55	Scotts Bluff	Nov.	15	1928	—	2054
(Winter Creek Drain)	Great Western Sugar Company	Scottsbluff	Gering Factory	O. D.	A-2054	31	22	54	Scotts Bluff	Nov.	15	1928	—	P-216
North Platte R.	Great Western Sugar Company	Scottsbluff	Gering Factory	O. D.	A-2054	26	22	55	Scotts Bluff	Nov.	15	1928	—	2150
North Platte R.	Chimney Rock Irrig. District	Bayard	Chimney Rock Canal	Irrig.	.67	1	20	53	Scotts Bluff	Feb.	2	1931	—	2190
North Platte R.	Glasgow, Anna	Gering	Gering-Fort Laramie Canal	Irrig.	2.11	11	26	65	Wyoming	July	19	1933	—	2336
North Platte R.	Platte Valley Public Power & Irrig. Dist.	North Platte	Sutherland Supply Canal	I. & P.	†140,000 AF	2	14	38	Keith	Jan.	13	1934	—	2350
North Platte R.	Platte Valley Public Power & Irrig. Dist.	North Platte	Sutherland Supply Canal	I. & P.	†3000AF	16	13	33	Lincoln	Jan.	13	1934	—	2352
North Platte R.	Platte Valley Public Power & Irrig. Dist.	North Platte	Sutherland Supply Canal	Power	975.00	2	14	38	Keith	Jan.	13	1934	—	2353
North Platte R.	Platte Valley Public Power & Irrig. Dist.	North Platte	Sutherland Supply Canal	I. & P.	†150,000 AF	2	14	38	Keith	Feb.	8	1934	—	2361
North Platte R.	Platte Valley Public Power & Irrig. Dist.	North Platte	Sutherland Supply Canal	Increase Head A-2353		2	14	38	Keith				—	2640
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Sutherland Head Race	Supple.	A-2353	16	13	33	Lincoln	Mar.	8	1937	—	2710
North Platte R.	The Central Nebraska Public Power and Irrigation District	Hastings	Kingsley Reservoir	I. & P.	†2,000,000 AF		15	38	Keith	Apr.	27	1934	—	2374
(Lake C. W. McConaughy-Kingsley Res.)	The Central Nebraska Public Power and Irrigation District	Hastings	The Central Nebraska Supply Canal	Supple. Supple.	A-2354 A-3474	8	13	29	Lincoln	July	28	1941	—	3475

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CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
(Lake C. W. McConaughy-Kingsley Res.)	The Central Nebraska Public Power and Irrigation District	Hastings	The Central Nebraska Supply Canal	Supple.	A-2355	8	13	29	Lincoln	July	28	1941	—	3475
				Irrig.		8	13	29	Lincoln	July	28	1941	—	3475
North Platte R.	Cooper, Wm. Miller	Gering	Gering-Fort Laramie Canal	Irrig.	1.46	11	26	65	Wyoming	May	5	1934	—	2378
North Platte R.	Butler, J. A.	Gering	Gering-Fort Laramie Canal	Irrig.	.99	11	26	65	Wyoming	Mar.	23	1940	—	3123
North Platte R.	Platte Valley Public Power & Irrig. Dist.	North Platte	Keystone Reservoir	Irrig.		2	14	38	Keith	Sept.	12	1940	—	3263
Otter Creek	Felt, Elmer G., et al	Lemoyne	Otter Creek (Cascade) Canal	Irrig.	3.30	5	15	40	Keith	Apr.	1	1891	1022	—
Otter Creek	The Otter Creek Mutual Irrigation Co.	Lemoyne	Otter Creek Canal	Irrig.	10.71	5	15	40	Keith	May	24	1912	—	1198
Otter Creek	The Otter Creek Mutual Irrigation Co.	Lemoyne	Otter Creek (Peterson) Canal	Irrig.	1.32	5	15	40	Keith	Nov.	6	1912	—	1240
Otter Creek	The Otter Creek Mutual Irrigation Co.	Lemoyne	Otter Creek (Holcomb) Canal	Irrig.	15.49	5	15	40	Keith	Nov.	6	1912	—	1
Owl Creek	Kellums, John H.	Morrill	Sunflower Canal	Irrig.	.79	12	22	58	Scotts Bluff	Sept.	17	1897	—	411
Owl Creek	Kellums, John H.	Morrill	Sunflower Canal	Irrig.	1.14	12	22	58	Scotts Bluff	Oct.	10	1904	—	770
Owl Creek	Kellums, John H.	Morrill	Sunflower Canal No. 2	Irrig.	1.14	12	22	58	Scotts Bluff	Nov.	29	1907	—	879
Owl Creek	Kellums, John H.	Morrill	Sunflower Canal No. 1	Irrig.	.57	12	22	58	Scotts Bluff	Nov.	29	1907	—	881
Pawnee Creek	Haythorn, Harry W.	Maxwell	Holcombe Canal	Irrig.	8.00	13	13	28	Lincoln	Oct.	18	1890	636	—
Pawnee Creek	Haythorn, Harry W.	Maxwell	Kent-Burke Canal	Irrig.	5.85	18	13	27	Lincoln	Nov.	16	1922	—	1694
Pawnee Creek	Janssen, H., Estate	Gothenburg	Janssen Canal	Irrig.	8.42	20	13	27	Lincoln	Aug.	31	1931	—	2231
Pawnee Creek	Murphy, Milton C.	North Platte	Murphy Pump	Irrig.	1.01	33	13	27	Lincoln	June	19	1940	—	3184
Platte River	Consumers Public Power District	Columbus	Kearney Canal	Irrig.	22.00	3	8	18	Buffalo	Sept.	10	1882	1023	—
				Power	140.00	3	8	18						

(Kearney Tail Race)	Peaker, Howard	Kearney	Peaker Pump	O. D.	D-1023	11	8	16	Buffalo	Sept.	10	1882	----	1744
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Kearney Canal	Supple.	D-1023	3	8	18	Buffalo	Mar.	31	1937	----	2726
Platte River	Consumers Public Power District	Columbus	Gothenburg Canal	I. & P.	200.00	19	12	26	Lincoln	July	5	1890	645aR	----
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Gothenburg Canal	Supple.	D-645a	29	12	26	Lincoln	Mar.	31	1937	----	2726
Platte River	Platte Valley Public Power & Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	7.00	18	10	23	Dawson	June	14	1894	621	----
(Dawson County Drainage Dist. No. 1)	Murray, J. E.	Lincoln	Murray Pump	O. D.	D-621	1	9	22	Dawson	June	14	1894	P-201	----
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Dawson County Canal	Supple.	D-621	18	10	23	Dawson	Mar.	31	1937	----	2726
Platte River	Platte Valley Public Power & Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	1142.86	18	10	23	Dawson	June	26	1894	622	----
(Buffalo Creek)	Savins, Richard T.	Lexington	Savins Pump	O. D.	D-622	22	10	21	Dawson	June	26	1894	----	1495
(Buffalo Creek)	Doughty, Mrs. Ida	Lexington	Doughty Pump	O. D.	D-622	21	10	21	Dawson	June	26	1894	----	1648
(Buffalo Creek)	Hodgson, Martha	Lexington	Hodgson Pump	O. D.	D-622	33	10	20	Dawson	June	26	1894	----	1868
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Dawson County Canal	Supple.	D-622	18	10	23	Dawson	Mar.	31	1937	----	2726
Platte River	Platte Valley Public Power & Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	43.43	18	10	23	Dawson	Sept.	15	1894	624	----
(Dawson County Drainage Dist. No. 1)	Rosenberg Bros.	Lexington	Orthman Pump	O. D.	D-624	14	9	21	Dawson	Sept.	15	1894	----	2129
(Ground Water)	Beatty, Henry M.	Lexington	Beatty Well	O. D.	D-624	20	9	20	Dawson	Sept.	15	1894	----	2281
(Ground Water)	Beatty, H. T.	Overton	Beatty Well	O. D.	D-624	19	9	20	Dawson	Sept.	15	1894	----	2513
(Strever Creek)	Jurgenson, John	Overton	Jurgenson Pump	O. D.	D-624	35	9	20	Dawson	Sept.	15	1894	----	2049
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Dawson County Canal	Supple.	D-624	18	10	23	Dawson	Mar.	31	1937	----	2726
Platte River	Consumers Public Power District	Columbus	Gothenburg Canal	Irrig.	240.00	19	12	26	Lincoln	Sept.	22	1894	645bR	----

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CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
(Pedens Lake)	Bean, Smith and Good	Cozad	Excell Canal	O. D.	D-645b	12	11	23	Dawson	Sept.	22	1894	----	1860
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Gothenburg Canal	Supple.	D-645b	19	12	26	Lincoln	Mar.	31	1937	----	2726
Platte River	Six Mile Ditch Co.	Gothenburg	Thirty Mile Canal	Irrig.	40.00	30	12	26	Lincoln	Oct.	22	1894	680R	----
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Six Mile Canal	Supple.	D-680R	11	11	26	Lincoln	Mar.	31	1937	----	2726
Platte River	Cozad Ditch Company	Cozad	Cozad Canal	Irrig.	359.86	16	11	25	Dawson	Dec.	28	1894	626	----
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Cozad Canal	Supple.	D-626	16	11	25	Dawson	Mar.	31	1937	----	2726
Platte River	South Side Irrig. Co.	Cozad	Orchard-Alfalfa Canal	Irrig.	85.00	9	10	24	Dawson	Jan.	23	1895	627	----
(Ground Water)	Neil, Leo	Cozad	Neil Well	O. D.	D-627	33	10	23	Dawson	Jan.	23	1895	P204*	----
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Orchard-Alfalfa Canal	Supple.	D-627	9	10	24	Dawson	Mar.	31	1937	----	2726
Platte River	Consumers Public Power District	Columbus	Kearney Canal	Power	485.00	3	8	18	Buffalo	Feb.	12	1920	----	1577
Platte River	Central Power Company	Grand Island	Central Canal	Steam	925.00	29	11	8	Merrick	Aug.	12	1920	----	1588
Platte River	Steele, Chas.	Elm Creek	Cottonwood Canal	Irrig.	5.33	7	8	18	Phelps	Dec.	15	1921	----	1629
Platte River	Faught, Carl E., et al	Cozad	Faught Pump	Irrig.	.80	9	10	24	Dawson	Oct.	20	1925	----	1784
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Thirty Mile (Faught Pump) Canal	Supple.	A-1784	30	12	26	Dawson	Mar.	31	1937	----	2726
Platte River	Johnson, P. L.	Hastings	Johnson Pump	Irrig.	2.56	1	8	13	Buffalo	Feb.	13	1926	----	1796
Platte River	Hagge, Fred, et al	Grand Island	Hagge Pump	Irrig.	4.58	28	11	9	Hall	Aug.	24	1926	----	1849
Platte River	Thirty Mile Canal Co.	Gothenburg	Thirty Mile Canal	Irrig.	275.06	30	12	26	Lincoln	Sept.	7	1926	----	1853
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Thirty Mile Canal	Supple.	A-1853	30	12	26	Lincoln	Mar.	31	1937	----	2726
Platte River	Gruber, Otto J.	Cozad	Robertson Pump	Irrig.	.75	9	10	24	Dawson	Nov.	2	1926	----	1870
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Thirty Mile (Robertson Pump) Canal	Supple.	A-1870	30	12	26	Dawson	Mar.	31	1937	----	2726

Platte River	Frost, Matts	Overton	Frost Canal	Irrig.	1.43	16	9	20	Dawson	Sept.	3	1927	—	1957
Platte River	Priel, Wm. and Jas.	Overton	Priel Canal	Irrig.	2.27	22	9	20	Dawson	Sept.	3	1927	—	1958
Platte River	Thirty Mile Canal Co.	Gothenburg	Thirty Mile Canal	Irrig.	50.79	30	12	26	Lincoln	Dec.	13	1927	—	1976
(Sutherland Reservoir)	Platte Valley Public Power & Irrig. Dist.	North Platte	Thirty Mile Canal	Supple.	A-1976	30	12	26	Lincoln	Mar.	31	1937	—	2726
Platte River	Schulz, Louis F.	Brady	Schulz Pump	Irrig.	2.10	20	12	27	Lincoln	Oct.	1	1928	—	2038
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	91.11	18	10	23	Dawson	Oct.	3	1928	—	2039
(Strever Creek)	Wengler, J. P.	Overton	Wengler Pump	O. D.	A-2039	27	9	20	Dawson	Oct.	3	1928	—	2101
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Supple.	A-2039	18	10	23	Dawson	Mar.	31	1937	—	2726
Platte River	Thirty Mile Canal Co.	Gothenburg	Thirty Mile Canal	Irrig.	4.57	30	12	26	Lincoln	Apr.	9	1929	—	2077
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Thirty Mile Canal	Supple.	A-2077	30	12	26	Lincoln	Mar.	31	1937	—	2726
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	3.00	18	10	23	Dawson	Aug.	3	1929	—	2093
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Supple.	A-2093	18	10	23	Dawson	Mar.	31	1937	—	2726
Platte River	Elm Creek Ditch Co.	Elm Creek	Elm Creek Canal	Irrig.	226.43	6	8	19	Dawson	Sept.	17	1929	—	2104
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Elm Creek Canal	Supple.	A-2104	6	8	19	Dawson	Mar.	31	1937	—	2726
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	284.91	18	10	23	Dawson	Oct.	25	1929	—	2110
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Supple.	A-2110	18	10	23	Dawson	Mar.	31	1937	—	2726
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal (Beatty Lateral)	Irrig.	14.21	18	10	23	Dawson	June	14	1930	—	2145
(Dawson County Drainage Dist. No. 1)	Sheldon, Mrs. O. N.	Lexington	Sheldon Pump	O. D.	A-2145	11	9	21	Dawson	June	14	1930	—	P-197

"O. D." Denotes optional diversion.
"Supple." Denotes storage water in addition to direct flow.
"R" Denotes relocation.
* Petition pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam S	T	R	County	Date of Priority Mo.	D	Yr.	Doc. No.	App. No.
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Supple.	A-2145	18	10	23	Dawson	Mar.	31	1937	—	2726
Platte River	Eavey, W. J.	Hastings	Eavey Pump	Irrig.	1.70	3	12	27	Lincoln	Feb.	20	1931	—	2191
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	12.71	18	10	23	Dawson	Mar.	1	1932	—	2262
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Supple.	A-2262	18	10	23	Dawson	Mar.	31	1937	—	2726
Platte River	The Central Nebraska Public Power and Irrigation District	Hastings	The Central Nebraska Supply Canal	Irrig.	1171.00	8	13	29	Lincoln	Jan.	13	1934	—	2355
			Adams Canal			17	8	15	Kearney					
						2	8	21	Gosper					
(Lake C. W. McConaughy-Kingsley Res.)	The Central Nebraska Public Power and Irrigation District	Hastings	The Central Nebraska Supply Canal	Supple.	A-2355	8	13	29	Lincoln	July	28	1941	—	3476
			Adams Canal	Supple.	A-2355	17	8	15	Kearney					
			The Central Nebraska Supply Canal	Irrig.		8	13	29	Lincoln	July	28	1941	—	3476
			Adams Canal	Irrig.		17	8	15	Kearney					
Platte River	The Central Nebraska Public Power and Irrigation District	Hastings	The Central Nebraska Supply Canal	I. & P.	509,060 AF	8	13	29	Lincoln	Apr.	27	1934	—	2351
Platte River	The Central Nebraska Public Power and Irrigation District	Hastings	The Central Nebraska Supply Canal	Power	1500.00	8	13	29	Lincoln	Apr.	27	1934	—	2354
Platte River	The Central Nebraska Public Power and Irrigation District	Hastings	The Central Nebraska Supply Canal	Increase Head	A-2354	8	13	29	Lincoln				—	3474

(Lake C. W. McConaughy-Kingsley Res.)	The Central Nebraska Public Power and Irrigation District	Hastings	The Central Nebraska Supply Canal	Supple.	A-2354 A-3474	8	13	29	Lincoln	July	28	1941	—	3475
Platte River	Tyler, Floyd	Chapman	Tyler Pump	Irrig.	.96	2	12	7	Merrick	May	17	1940	—	3163
Plum Creek	Delatour, Agnes E.	Lewellen	Plum Creek Reservoir	Irrig.	.74	23	16	42	Garden	Jan.	12	1914	—	1344
Plum Creek	Delatour, Agnes E.	Lewellen	Plum Creek Reservoir	Irrig.	.40	14	16	42	Garden	Jan.	12	1914	—	1344R
Plum Creek	Bossung, E. S., et al	Elwood	Bossung Pump	Irrig.	.33	5	7	21	Gosper	Mar.	14	1935	—	2527
Prairie Creek	MacQueen, Glen D.	Silver Creek	Braeside Pump	Irrig.	7.89	29	16	3	Merrick	Sept.	8	1931	—	2235
Prairie Creek	Santin, Henry	Palmer	Santin Pump	Irrig.	.36	24	15	6	Merrick	Sept.	5	1939	—	2958
Pumpkinseed Cr.	Kelley, Wm. J.	Harrisburg	Kelley Canal	Irrig.	1.43	5	19	54	Banner	May	10	1886	915	—
Pumpkinseed Cr.	Zingg, Henry N.	Platte Center	Heard Canals Nos. 1-2	Irrig.	1.29	14	15	54	Banner	June	1	1887	916	—
Pumpkinseed Cr.	Olsen, Albert H.	Harrisburg	Logan Canal	Irrig.	4.00	7	19	55	Banner	July	16	1890	902	—
Pumpkinseed Cr.	Court House Rock Co.	Bridgeport	Court House Rock Canal	Irrig.	30.50	30	19	50	Morrill	Oct.	6	1890	840	—
Pumpkinseed Cr.	Court House Rock Co.	Bridgeport	Court House Rock Canal	Irrig.		30	19	50	Morrill	Oct.	6	1890	1028	—
Pumpkinseed Cr.	Nielsen, Eiler S. and Halver G.	Bridgeport	Smith-Wheeler South Canal	Irrig.	1.57	26	19	51	Morrill	Oct.	16	1890	842a	—
Pumpkinseed Cr.	Mutual Ditch Company	Redington	Mutual Canal	Irrig.	8.57	33	19	52	Morrill	Nov.	1	1890	842	—
Pumpkinseed Cr.	Sweet, S. R.	Bridgeport	Meredith-Ammer Canal	Irrig.	14.00	23	19	50	Morrill	Feb.	20	1893	876	—
Pumpkinseed Cr.	Finn and Trott	Bridgeport	Last Chance Canal	Irrig.	6.32	27	19	50	Morrill	Apr.	12	1894	883	—
Pumpkinseed Cr.	McCord, Mrs. Gracie	San Bernardino, Calif.	Round House Rock Canal	Irrig.	2.77	28	19	51	Morrill	May	29	1894	884	—
Pumpkinseed Cr.	Nunn, Rose	Bridgeport	Nunn Canal	Irrig.	.23	27	19	51	Morrill	May	29	1894	884R	—
Pumpkinseed Cr.	Thompson, R. S., et al	Redington	Bird Cage Canal	Irrig.	1.00	20	19	51	Morrill	June	1	1895	892	—
Pumpkinseed Cr.	Nielsen, Eiler S. and Halver G.	Bridgeport	Smith-Wheeler North Canal	Irrig.	.71	26	19	51	Morrill	June	1	1896	842b	—
Pumpkinseed Cr.	Cluck, Millard	Harrisburg	Peter Canal	Irrig.	2.57	2	19	56	Banner	July	1	1902	913	—
Pumpkinseed Cr.	Mead, John H., et al	Scottsbluff	Airedale Canal No. 1	Irrig.	5.52	2 1	19 19	55 55	Banner	Jan.	24	1903	—	698

"Supple." Denotes storage water in addition to direct flow.
"R" Denotes relocation.
†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A —Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Pumpkinseed Cr.	Mead, John H., et al	Scottsbluff	Airedale Canal No. 2	Irrig.	3.22	1	19	55	Banner	Jan.	24	1903	—	699
Pumpkinseed Cr.	Gifford, Owen	Gering	Scott Reservoir	Irrig.	†AF	7	19	55	Banner	June	24	1903	—	711
Pumpkinseed Cr.	Gifford, Owen	Gering	Scott Reservoir	Irrig.	1.31	7	19	55	Banner	June	24	1903	—	711
Pumpkinseed Cr.	Seybolt Investment Co.	Bridgeport	Court House Rock Canal	Irrig.	.43	30	19	50	Morrill	Feb.	28	1907	—	851
Pumpkinseed Cr.	Mead, John H., et al	Scottsbluff	Airedale Canal No. 2	Irrig.	1.48	1	19	55	Banner	Oct.	26	1911	—	1133
Pumpkinseed Cr.	Mead, John H., et al	Scottsbluff	Airedale Canal No. 1	Irrig	.51	2	19	55	Banner	Sept.	4	1914	—	1380
Pumpkinseed Cr.	Mead, John H., et al	Scottsbluff	Airedale Canal No. 3	Irrig.	4.41	2	19	55	Banner	Mar.	15	1918	—	1508
Pumpkinseed Cr.	Quinn, T. E.	Bridgeport	Quinn Canal	Irrig.	.23	20	19	51	Morrill	Oct.	15	1919	—	1561
Pumpkinseed Cr.	Sears, Willis G.	Omaha	Sears Pump	Irrig.	1.68	25	19	53	Banner	Dec.	20	1929	—	2117
Pumpkinseed Cr.	Reuter, Leonard	Bridgeport	Court House Rock Canal	Irrig.	.08	30	19	50	Morrill	Apr.	11	1933	—	2315
Pumpkinseed Cr.	Coulter, Bern R.	Bridgeport	Trails End Canal	Irrig.	2.37	30	19	52	Morrill	June	17	1941	—	3453
Red Willow Cr. (See North Platte River)	Dobson, Mary E.	Monrovia, Calif.	Dobson Lateral	Irrig.	2.00	12	20	51	Morrill	Sept.	10	1915	—	1432
Red Willow Cr. (See North Platte River)	Dobson, Mary E.	Monrovia, Calif.	Dobson Lateral	Irrig.		12	20	51	Morrill	Nov.	3	1915	—	1436
Sand Creek	Dudley, W. H.	Lemoyne	Patrick Canal	Irrig.	2.43	10	15	40	Keith	May	31	1891	725	—
Sand Creek	Nissen, Peter	Lemoyne	Nissen Canal	Irrig.	3.07	10	15	40	Keith	Mar.	18	1901	—	606
Schuetz Springs	Schuetz, Louis	Dalton	Schuetz Canal	Irrig.	.21	28	18	50	Morrill	May	10	1892	881	—
Sheep Creek	Nash, Charles A.	Morrill	Little Moon Canal	Irrig.	1.00	10	24	58	Sioux	Mar.	23	1904	—	745
Sheep Creek	Covert, Pitt	Cheyenne, Wyo.	Nebraska Reservoir Canal	Irrig.	3.57	36	27	58	Sioux	May	18	1907	—	859

Sheep Creek	Carpenter and Broadbent	Morrill	West Fork Canal	Irrig.	5.14	1	26	58	Sioux	Sept.	21	1907	—	871
Sheep Creek	Cunningham, H. B.	Exeter	Lower Canal	Irrig.	.37	11	25	58	Sioux	Nov.	2	1907	—	875
Sheep Creek	Carpenter and Broadbent	Morrill	Horse Camp Reservoir	Irrig.	.43	36	27	58	Sioux	Jan.	20	1908	—	885
Sheep Creek (See North Platte River)	Sheep Creek Lateral Company	Morrill	Sheep Creek Lateral	Irrig.	.10	8	23	57	Scotts Bluff	Feb.	26	1912	—	1176
Sheep Creek, Tributary to	Sheep Creek Lateral Company	Morrill	Sheep Creek Lateral	Irrig.	.28	8	23	57	Scotts Bluff	Feb.	20	1915	—	1403
Sheep Creek, Tributary to	Morrill and Sons	Scottsbluff	Morrill and Sons Power Plant	Power		21	23	57	Scotts Bluff	Jan.	13	1933	—	2296*
Skunk Creek	Knight, H. H.	Keystone	Miller Canal	Irrig.	2.29	1	14	37	Keith	Apr.	1	1895	740	—
Skunk Creek	Maddox, Nellie L.	Keystone	Skunk Creek Canal	Irrig.	5.00	6	14	35	Keith	Nov.	5	1909	—	968
Slough, Warm	Johnson, Abram M., Estate	Gibbon	Johnson Pump	Irrig.	.50	30	9	13	Buffalo	Feb.	20	1923	—	1707
Snake Creek	Kilpatrick Brothers	Beatrice	Oasis Canal	Irrig.	54.86	6	24	51	Box Butte	June	6	1894	567	—
Snake Creek (Elmore Res.)	Kilpatrick Brothers	Beatrice	Elmore Reservoir	Irrig.	†2300AF	1	24	52	Box Butte	June	7	1911	—	1104
	Kilpatrick Brothers	Beatrice	Kilpatrick North and South Canals	Irrig.		6	24	51	Box Butte	June	7	1911	—	1159
South Platte R.	Hollingsworth, Clark	Ogallala	Hollingsworth Canal	Irrig.	30.00	7	13	38	Keith	June	5	1894	723	—
South Platte R.	Reck, Wm. J.	Big Springs	Miller-Warren Canal	Irrig.	.57	7	12	42	Deuel	Jan.	5	1895	805	—
South Platte R.	Meyer Henry, Estate	Brule	Meyer Canal	Irrig.	1.46	22	13	40	Keith	Apr.	14	1896	—	283
South Platte R.	Western Irrig. Dist.	Big Springs	Western Canal	Irrig.	**154.40	14	12	43	Keith	June	14	1897	—	393
South Platte R.	Western Irrig. Dist.	Big Springs	Western Canal	Irrig.	**25.60	29	13	41	Keith	June	14	1897	—	393R
South Platte R.	Beal, Orvill	Brule	Beal Canal	Irrig.	5.16	20	13	40	Keith	Sept.	20	1921	—	1620
South Platte R.	Western Irrig. Dist.	Big Springs	Western Canal	Irrig.	11.43	14	12	43	Keith	Apr.	13	1926	—	1804
South Platte R.	Junge, M. F.	Big Springs	Junge Canal	Irrig.	1.07	31	13	41	Deuel	Sept.	11	1926	—	1857
South Platte R.	Paxton Irrig. Dist.	Paxton	Paxton Canal	Irrig.	70.19	1	13	38	Keith	Nov.	22	1926	—	1874

"R" Denotes relocation.
†Reservoir capacity alleged by applicant.
*Application pending.
**120.00 Second-feet stipulated under Colorado-Nebraska South Platte River Compact.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A —Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
South Platte R.	Contryman, C. L.	Ogallala	Hollingsworth Canal	Irrig.		12	13	39	Keith	Mar.	16	1938	----	2848*
Spotted Tail, Dry	Great Western Sugar Co.	Scottsbluff	Mitchell Factory	Mfg.	15.00	20	23	56	Scotts Bluff	Mar.	24	1920	----	1582
Spotted Tail, Wet	Shepard, Harry G.	Mitchell	Stewart-Brown Canal	Irrig.	1.59	26	24	56	Scotts Bluff	Mar.	2	1904	----	743
Spotted Tail, Wet	Shepard, Harry G.	Mitchell	Stewart-Brown Canal	Irrig.	2.28	26	24	56	Scotts Bluff	Mar.	17	1911	----	1072
Spotted Tail, Wet	Young, Thos. H.	Mitchell	Spring Creek Reservoir	Ice	†20AF	27	23	56	Scotts Bluff	Feb.	6	1922	----	1642
Springs, Trib. to No. Platte R.	Gatch, Chas.	Melbeta	Gatch Canal	Irrig.	.93	25	21	54	Scotts Bluff	Aug.	21	1912	----	1220
Spring Branch	Brogan Brothers	Keystone	Brogan Canal	Irrig.	.57	35	15	37	Keith	Sept.	24	1897	----	410
Spring Creek	Barden, Wm. E.	Redington	Barden Pump	Irrig.	.89	11	18	52	Morrill	June	17	1929	----	2086
Spring Creek	Otter Creek Mutual Irrig. Company	Lemoyne	Spring Creek Canal	Irrig.	.57	12	15	40	Keith	June	18	1894	724	----
Spring Creek	U. P. Railroad Co.	Omaha	Frazier Lake	Ice	4.00	35	14	30	Lincoln	Sept.	6	1907	----	868
Spring Cr., Little	Keystone Irrig. Co.	Keystone	Little Spring Canal	Irrig.	.57	29	15	37	Keith	Apr.	1	1902	----	659
Spring Cr., Little	Hawkins, Ardis	Keystone	Hawkins Canal	Irrig.	1.31	29	15	37	Keith	Apr.	8	1939	----	2914
Spring Cr., Little	The Cooperative Refinery Ass'n., et al	North Kansas City, Mo.	Shramek Canal	Irrig.	1.53	22	22	55	Scotts Bluff	June	9	1913	----	1295
Spring Cr., Little	Graves, Johnson H.	Scottsbluff	Gilchrist Canal	Irrig.	.14	22	22	55	Scotts Bluff	July	29	1913	----	1310
Spring Cr., Little	McClenahan, E.	Scottsbluff	Shramek Canal	Irrig.	.57	22	22	55	Scotts Bluff	July	30	1917	----	1492

Spring Cr., Little	Martin, D. H.	Scottsbluff	Shramek Canal	Irrig.	.14	22	22	55	Scotts Bluff	June	3	1918	—	1515
Strever Creek	Jensen, Nelly M.	Cozad	Jensen Canal	Irrig.	.56	23	11	23	Dawson	July	27	1925	—	1772
Strever Creek	Anders, Ida M.	Cozad	Anders Canal	Irrig.	1.10	23	11	23	Dawson	July	27	1925	—	1773
Strever Creek	Gardner, H. L.	Cozad	Gardner Pump	Irrig.	1.00	30	12	23	Dawson	Apr.	11	1927	—	1924
Strever Creek	Siebenaler, Mat	Overton	Siebenaler Pump	Irrig.	2.31	6	8	19	Dawson	Nov.	22	1927	—	1969
Strever Creek	Beatty, Harry T.	Overton	Beatty Canal	Irrig.	1.13	18	9	20	Dawson	June	3	1929	—	2083
(Dawson County Drainage Dist. No. 1)	Beatty, Harry T.	Overton	Beatty Pump	O. D.	A-2083	18	9	20	Dawson	June	3	1929	—	2777*
Strever Creek	Peterson, P. R.	Lexington	Peterson Pump	Irrig.	1.11	18	9	20	Dawson	Aug.	8	1929	—	2094
Strever Creek	Beatty, Esther	Lincoln	Bend Canal	Irrig.	1.63	36	9	20	Dawson	Aug.	26	1929	—	2099
Strever Creek	Jurgenson, Henry, Estate	Overton	Jurgenson Pump	Irrig.	1.03	35	9	20	Dawson	May	7	1931	—	2202
Strever Creek	Gardner, H. L. and Carrie	Longmont, Colorado	Gardner Pump	Irrig.	.90	30	12	23	Dawson	Oct.	8	1941	—	3516
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Sutherland Head Race	Supple. A-2353	†54,000 AF	16	13	33	Lincoln	Mar.	31	1937	—	2710
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Cozad Canal	Supple	D-626	16	11	25	Dawson	Mar.	31	1937	—	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Cozad Canal	Irrig.		16	11	25	Dawson	Mar.	31	1937	—	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Dawson County Canal	Supple	D-621, et al	18	10	23	Dawson	Mar.	31	1937	—	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Dawson County Canal	Irrig.		18	10	23	Dawson	Mar.	31	1937	—	2726

*Application pending.
†Reservoir capacity alleged by applicant.
"O. D." Denotes optional diversion.
"Supple." Denotes storage water in addition to direct flow.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Elm Creek Canal	Supple.	A-2104, et al	6	8	19	Dawson	Mar.	31	1937	—	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Gothenburg Canal	Supple.	D-645a D-645b	29	12	26	Dawson	Mar.	31	1937	—	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Kearney Canal	Supple.	D-1023	3	8	18	Buffalo	Mar.	31	1937	—	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Kearney Canal	Irrig.		3	8	18	Buffalo	Mar.	31	1937	—	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Orchard-Alfalfa Canal	Supple.	D-627	9	10	24	Dawson	Mar.	31	1937	—	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Six Mile Canal	Supple.	D-680	11	11	26	Lincoln	Mar.	31	1937	—	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Thirty Mile Canal	Supple.	A-1853, et al	30	12	26	Lincoln	Mar.	31	1937	—	2726
(Sutherland Reservoir)	Platte Valley Public Power and Irrig. District	North Platte	Thirty Mile Canal	Irrig.		30	12	26	Lincoln	Mar.	31	1937	—	2726
White Horse Cr.	Tobin Inv. Company and Herrod, Catherine	North Platte	Lamplough Lake	Irrig.	2.86	8	14	30	Lincoln	Dec.	31	1883	658	—
White Horse Cr.	Bratt, John, Estate	North Platte	Bratt Canal	Irrig.	6.00	9	14	30	Lincoln	Aug.	25	1913	—	1316

White Horse Cr.	McCrone, Scott	North Platte	McCrone Pump	Irrig.	1.71	5	14	30	Lincoln	Mar.	10	1930	—	2127
White Tail Cr.	McCarthy, J. M.	Keystone	McCarthy Canal	Irrig.	1.00	36	15	38	Keith	July	15	1890	749	—
White Tail Cr.	McGinley, Geo., et al	Ogallala	Halloway-Phelps Canal	Irrig.	3.86	36	15	38	Keith	June	1	1893	717	—
White Tail Cr.	McGinley, Geo., et al	Ogallala	Keystone Canal	Irrig.	8.00	26	15	38	Keith	Oct.	20	1894	730	—
White Tail Cr.	Martin, Chas. O.	Keystone	Reed Canal	Irrig.	.57	15	15	38	Keith	May	15	1895	751	—
White Tail Cr.	Keystone Irrig. Co.	Keystone	Keystone Canal	Irrig.	39.00	26	15	38	Keith	Apr.	26	1902	—	662b
(Paxton Creek)	Coyner, S. C.	Keystone	Coyner Canal	O. D.	A-662b	31	15	37	Keith	Apr.	26	1902	—	P-185
White Tail Cr.	Keystone Irrig. Co.	Keystone	Keystone Canal	Irrig.	4.30	26	15	38	Keith	Nov.	30	1906	—	843
White Tail Cr.	Keystone Irrig. Co.	Keystone	Keystone Canal	Irrig.	7.41	26	15	38	Keith	May	27	1910	—	1003
White Tail Cr.	White Tail Public Power and Irrig. Dist.	Keystone	White Tail Reservoir	Irrig.		13	13	34	Lincoln	Jan.	24	1941	—	3378*
Willow Creek	Banner County Bank	Harrisburg	Willow Springs Canal No. 1	Irrig.	.57	16	19	56	Banner	Jan.	21	1902	—	650
Willow Creek	Banner County Bank	Harrisburg	Willow Springs Canal No. 2	Irrig.	.86	16	19	56	Banner	Jan.	21	1902	—	651
Willow Creek	Cross, Inez V.	Harrisburg	Cross Canal	Irrig.	1.70	16	19	56	Banner	May	8	1926	—	1808
Willow Creek	Stafford, Margart	Sarben	Stafford Canal	Irrig.	.80	15	14	35	Keith	Nov.	20	1929	—	2114
Willow Creek	McFadden, M. J.	Sarben	McFadden Canal	Irrig.	.80	14	14	35	Keith	May	26	1930	—	2142
Willow Creek	Knight, W. F.	Sarben	Willow Creek Canal	Irrig.		15	14	35	Keith	Oct.	13	1934	—	2488*
Winters Creek	Bouton, Chas. A.	Gering	Bouton Canal	Irrig.	1.00	3	22	54	Scotts Bluff	Aug.	17	1889	923	—
Winters Creek	Great Western Sugar Co.	Scottsbluff	Scottsbluff Factory	Mfg.	15.00	19	22	54	Scotts Bluff	Oct.	4	1920	—	1592
Wood River	Ashburn, J. N.	Gibbon	Ashburn Canal	Power	40.00	13	9	14	Buffalo	Nov.	1	1873	993	—
Wood River	Bearss, Guy S.	Kearney	Bearss Canal	Power	25.40	13	9	16	Buffalo	May	1	1881	995	—
Wood River	Union Central Life Ins. Co.	Cincinnati, Ohio	White Bridge Park	Irrig.	.03	8	9	15	Buffalo	Mar.	14	1900	—	545a
Wood River	Union Central Life Ins. Co.	Cincinnati, Ohio	White Bridge Park	Power	10.00	8	9	15	Buffalo	Mar.	14	1900	—	545b
Wood River (See A-1576)	Jacobson, C. A.	Riverdale	Jacobson Canal	Irrig.	.50	31	10	16	Buffalo	Nov.	10	1910	—	1038

"Supple." Denotes storage water in addition to direct flow.
"O. D." Denotes optional diversion.
*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-A —Concluded

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Wood River	Kimbrough, Cora	Shelton	Kimbrough Canal	Irrig.	4.00	36	10	13	Buffalo	Sept.	21	1912	----	1227
Wood River	Jacobson, C. A.	Riverdale	Jacobson Reservoir	Supple. A-1038	†3000AF	31	10	16	Buffalo	Feb.	3	1920	----	1576
Wood River	Haug, James, Estate	Shelton	Haug Pump	Irrig.	.64	9	9	13	Buffalo	Sept.	7	1920	----	1590
Wood River	Peterson, Christianna	Shelton	Petersen Pump	Irrig.	1.07	10	9	13	Buffalo	July	11	1921	----	1611
Wood River	Nutter, M. D.	Shelton	Nutter Pump	Irrig.	2.28	8	9	13	Buffalo	Aug.	29	1921	----	1616
Wood River	Rodgers, J. H. Estate	Gibbon	Rodgers Pump	Irrig.	.30	14	9	14	Buffalo	Feb.	4	1922	----	1641
Wood River	Nebr. Conf. Assn. of Seven Day Adventists	Shelton	Shelton Academy Pump	Irrig.	2.28	31	10	12	Hall	Feb.	16	1922	----	1643
Wood River	Haug, James, Estate	Shelton	Haug Pump No. 2	Irrig.	.92	9	9	13	Buffalo	Feb.	28	1922	----	1644
Wood River	Hallen, Hjalmar	Kearney	Hallen Reservoir	I. & P.	†1AF	5	9	16	Buffalo	Apr.	4	1922	----	1654
Wood River	Hallen, Hjalmar	Kearney	Hallen Dam	Irrig.	.47	5	9	16	Buffalo	Apr.	17	1922	----	1656
Wood River	Durtschi, Rudolph	Wood River	Durtschi Pump	Irrig.	1.37	18	10	11	Hall	May	22	1922	----	1668
Wood River	Howe, Lloyd M.	Wood River	Howe Pump	Irrig.	.51	17	10	11	Hall	July	14	1922	----	1679
Wood River	Wilson, C. C.	Omaha	Wilson Pump	Irrig.	1.21	14	9	15	Buffalo	Nov.	15	1922	----	1693
Wood River	Smith, Evan F.	Shelton	Smith Pump	Irrig.	1.04	1	9	13	Buffalo	Jan.	12	1923	----	1702
Wood River	Ross, W. M.	Gibbon	Ross Pump	Irrig.	.26	13	9	14	Buffalo	Apr.	28	1924	----	1743
Wood River	Travelers Insurance Co.	Omaha	Foley Pump	Irrig.	1.76	36	10	17	Buffalo	Dec.	2	1924	----	1753
Wood River	Richardson, Frank	Gibbon	Richardson Pump	Irrig.	.49	13	9	14	Buffalo	Sept.	8	1925	----	1780
Wood River	Wilcox, Eva C.	Gibbon	Wilcox Pump	Irrig.	.90	8	9	13	Buffalo	Jan.	22	1926	----	1793
Wood River	Nutter, John N.	Gibbon	Darby Pump	Irrig.	.70	8	9	13	Buffalo	Feb.	10	1926	----	1794
Wood River	First Trust Co., et al	Lincoln	Kirk Pumps	Irrig.	2.57	14 6	9 9	14 14	Buffalo	Feb.	23	1926	----	1797
Wood River	Langan, Thos.	Wood River	Langan Pump	Irrig.	1.14	19	10	11	Hall	Mar.	19	1926	----	1800
Wood River	McConnell, Sadie I., et al	Gibbon	McConnell Pump	Irrig.	3.43	7	9	13	Buffalo	Apr.	21	1926	----	1805
Wood River	Mercer, Howard R.	Gibbon	Mercer Pump	Irrig.	.80	9	9	14	Buffalo	May	25	1926	----	1814
Wood River	Oliver Brothers	Shelton	Wood River Pump	Irrig.	1.57	2	9	13	Buffalo	June	15	1926	----	1818
Wood River	Carlson, Carl E.	Shelton	Carlson Pump	Irrig.	1.10	35	10	13	Buffalo	July	19	1926	----	1830

Wood	River	Hayman, Mrs. O. O.	Shelton	Hayman Pump	Irrig.	.57	4	9	13	Buffalo	July	20	1926	—	1831
Wood	River	Power and Son	Gibbon	Power Pump	Irrig.	.41	13	9	14	Buffalo	July	24	1926	—	1834
Wood	River	Schnoor, Jacob	Amherst	Schnoor Pump	Irrig.	.80	16	10	17	Buffalo	Oct.	18	1926	—	1867
Wood	River	Oliver, Henry E., Jr.	Shelton	Oliver Pump	Irrig.	.86	9	9	13	Buffalo	Feb.	29	1928	—	1987
Wood	River	Nickel, Emil	Kearney	Nickel Pump	Irrig.	1.95	12	9	16	Buffalo	July	16	1930	—	2148
Wood	River	Abels, Carl H.	Amherst	Abels Pump	Irrig.	1.23	6	10	17	Buffalo	Jan.	10	1931	—	2186
Wood	River	Nye, Kate D.	Kearney	Nye Pump	Irrig.	.28	10	9	16	Buffalo	Sept.	11	1937	—	2785
Wood	River	Thornton, S. Cary	Kearney	Thornton Pump	Irrig.	.42	9	9	15	Buffalo	Apr.	17	1939	—	2915
Wood	River	Czenkusch, Carl	Amherst	Czenkusch Pump	Irrig.	.15	25	11	18	Buffalo	May	22	1939	—	2924
Wood	River	Conklin, Grace L.	Lincoln	Conklin Pumps	Irrig.	2.09	4	11	8	Merrick	Apr.	29	1940	—	3145
							5	11	8						
Wood	River	Belschner, Fred	Amherst	Belschner Pump	Irrig.	.12	16	10	17	Buffalo	July	24	1940	—	3212
Wood	River	Huffstutter, W. F.	Kearney	Huffstutter Pump	Irrig.		9	9	15	Buffalo	Sept.	17	1940	—	3267
Wood	River	Sharp, Earl H.	Broken Bow	Sharp Pump	Irrig.	.83	12	9	16	Buffalo	Sept.	30	1940	—	3278
Wood	River	Cunningham, S. S.	Riverdale	Cunningham Pump	Irrig.	.26	31	10	16	Buffalo	Oct.	14	1940	—	3294
Wood	River	Conklin, Grace L.	Lincoln	Conklin Pumps	Irrig.	1.86	5	11	8	Merrick	Oct.	30	1940	—	3314
							8	11	8						

†Reservoir capacity alleged by applicant.
"Supple." Denotes storage water in addition to direct flow.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Arikaree River	Jenkins, Chas. T.	Haigler	Haigler Res. Canal	Irrig.	171.00	15	1S	42	Colorado	Jan.	21	1910		979
Askey Lake	Pleas, Walter P., Est.	Oxford	Pleas Pump	Irrig.	2.31	5	3	21	Furnas	Jan.	4	1930		2120
Beaver Creek	Fults, T. N.	Beaver City	Newton Pump	Irrig.	.97	10	2	21	Furnas	Apr.	11	1927		1923
Beaver Creek	Versaw, Paul E.	Beaver City	Versaw Pump	Irrig.	1.22	22	2	23	Furnas	Feb.	11	1928		1952
Beaver Creek	Weber, John Estate	Lebanon	Weber Pump	Irrig.	1.43	17	1	26	Red Willow	Aug.	8	1930		2156
Beaver Creek	Fletcher, G. W.	Beaver City	Fletcher Pump	Irrig.	.43	24	2	23	Furnas	Aug.	8	1933		2342
Beaver Creek (See Sappa Cr.)	Beaver-Sappa Public Power and Irrig. District	Stamford	South Beaver Canal	Irrig.		23	2	23	Furnas	Dec.	14	1936		2671a*
			North Beaver Canal	Irrig.		23	2	23						
Beaver Creek (See Sappa Cr.)	Beaver-Sappa Public Power and Irrig. District	Stamford	Lake Beaver Res.	Irrig.		23	2	23	Furnas	Dec.	14	1936		2672a*
Beaver Creek	Wood, A. B.	Bartley	Wood Pump	Irrig.	.88	24	1	28	Red Willow	Oct.	8	1937		2796
Beaver Creek	Puelz, Robert A., and Lowell V.	Danbury	Puelz Pump	Irrig.	.71	24	1	28	Red Willow	Apr.	1	1938		2857
Beaver Creek	Morris, James E.	Lebanon	Morris Pump	Irrig.	.64	11	1	26	Red Willow	May	10	1939		2920
Beaver Creek	Butler, B. F.	Cambridge	Butler Pump	Irrig.	.96	13	2	23	Furnas	Jan.	10	1941		3366
Beaver Creek	Downing, Amy C.	Beaver City	Downing Pump	Irrig.	.43	16	2	22	Furnas	Jan.	21	1941		3373
Beaver Creek	Williams, Mary E.	Grand Island	Williams Pump	Irrig.	.70	28	2	23	Furnas	Sept.	15	1941		3505
						21	2	23						
Beaver Creek	Oxford, Delbert G.	Beaver City	Oxford Pump	Irrig.	.09	18	2	22	Furnas	May	4	1942		3563
Beaver Creek	Shank, F. W.	Oxford	Shank Pump	Irrig.		15	2	22	Furnas	Aug.	15	1942		3582*
Beaver Creek, Ravine Tributary to (Garey Res.)	Garey, Raymond R.	Beaver City	Garey Reservoir	Irrig.	†57AF	12	2	23	Furnas	Oct.	14	1939		2986
	Garey, Raymond R.	Beaver City	Garey Reservoir Canal	Irrig.		12	2	23		Oct.	14	1939		3483

Beaver Creek, Ravine Tributary to (Campbell Res.)	Ackerman, G. W.	Beaver City	Campbell Reservoir	Irrig.	†161.5AF	22	2	22	Furnas	July	23	1941	—	3459
	Ackerman, G. W.	Beaver City	Campbell Canal	Irrig.		22	2	22	Furnas	July	23	1941	—	3460
Bell Creek	Bell, J. E.	Superior	Valley Reservoir	Irrig.	†25AF	29	1	6	Nuckolls	Apr.	30	1928	—	2013
Bell Creek	Beal, W. C.	Superior	Beal Reservoir	Fish	†19AF	17	1	6	Nuckolls	Feb.	21	1941	—	3399
Berger Creek (See School Cr.)	Sughroue, Edward	Indianola	Sughroue Pump	Irrig.	.64	15	3	27	Red Willow	Aug.	16	1932	—	2280
Blackwood Cr.	Barth, Lydia Mrs.	Culbertson	Barth Pump	Irrig.	.47	33	4	31	Hitchcock	Apr.	27	1940	—	3143
Blackwood Cr.	Barth, Mrs. Lydia	Culbertson	Barth Pump	Irrig.	.17	33	4	31	Hitchcock	Nov.	8	1940	—	3328
Blackwood Cr.	Russell, Carson	McCook	Russell Canal	Irrig.	2.57	6	4	31	Hitchcock	July	31	1941	—	3477
Buffalo Creek	Larned, Wm. H., et al	Haigler	Allen-Larned Canal	Irrig.	6.00	18	1	40	Dundy	Oct.	16	1890	117	—
Buffalo Creek	Porter, J. R., et al	Haigler	Porter Canal	Irrig.	2.68	1	1	41	Dundy	Nov.	26	1890	171	—
Buffalo Creek	Jenkins, Chas. T.	Haigler	Jenkins Canal No. 1	Irrig.	4.57	18	1	40	Dundy	Dec.	12	1908	—	924
Buffalo Creek	Porter Land and Investment Company	Haigler	Porter Canal	Irrig.	3.32	1	1	41	Dundy	June	23	1913	—	1298
Brush Creek	Lofton, Frank S.	McCook	Brush Creek Res.	Irrig.	†250AF	3	2	29	Red Willow	June	1	1912	—	1201
Bushy Creek	Young, Lee	Maywood	Young Canal	Irrig.	.20	33	8	29	Frontier	Apr.	5	1927	—	1921
Bushy Creek	Russell, G. E.	Maywood	Russell Pump	Irrig.	1.50	33	8	29	Frontier	Oct.	31	1940	—	3319
Center Creek	Gregory, A. B. and Garrett, P. C.	Franklin	Gregory Canal	Irrig.	2.00	1	1	15	Franklin	Aug.	11	1894	182	—
Center Creek	Joy, C. G., et al	Franklin	Blank and Joy Canal	Irrig.	2.82	1	1	15	Franklin	Aug.	17	1928	—	2025
Center Creek	Hevner Serum Co.	Franklin	Joy-Blank-Hevner Canal	Irrig.	.64	1	1	15	Franklin	Jan.	23	1940	—	3084
Center Creek	Versaw, Willie K. and F. F.	Franklin	Versaw Pump	Irrig.	.18	27	2	15	Franklin	June	1	1940	—	3169
Cook Creek	Haskell, J. G., et al	Alma	Cook Creek Canal	Irrig.	2.20	33	2	18	Harlan	July	21	1917	—	1491

*Application pending.
†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Cook Creek	Shaffer, Frank	Alma	Shaffer Canal	Irrig.	1.08	33	2	18	Harlan	July	10	1918	—	1517
Cook Creek	Shaffer, Frank	Alma	Shaffer Reservoir	Irrig.	†24AF	33	2	18	Harlan	Aug.	24	1918	—	1522
Cottonwood Cr.	Worden, Jennie	Superior	Worden Lake	Resort	†50AF	11	1	8	Nuckolls	Nov.	25	1938	—	2897
Cottonwood, Big	Morlan, Henry, Estate	Bloomington	Bloomington Canal	Irrig.	.50	25	2	16	Franklin	Dec.	31	1881	185	—
Cottonwood, Big	Siegel, Benj. E.	Naponee	Bloomington Mill	Power	6.00	25	2	16	Franklin	Nov.	23	1898	—	483
				Irrig.	1.06	25	2	16						
Cottonwood, Lit.	Gardner, C. D.	Bloomington	Gardner Canal	Irrig.	1.14	6	1	15	Franklin	Mar.	20	1922	—	1647
Cottonwood, Lit.	Bradshaw, Geo. F.	Bloomington	Home Canal	Irrig.	.23	6	1	15	Franklin	Apr.	27	1922	—	1661
Cottonwood, Lit.	Koelmel, John	Bloomington	Koelmel Pump	Irrig.	.04	31	2	15	Franklin	Feb.	24	1940	—	3094
Craig Creek	Hoylman, M. B.	Naponee	Hoylman Canal	Irrig.	1.69	14	1	17	Harlan	Aug.	1	1927	—	1948
Crooked Creek	Kaley, C. H.	Red Cloud	Fish Pond	Fish	1.00	1	1	11	Webster	May	7	1902	—	665
Crooked Creek	Slawson, E. R.	Red Cloud	Slawson Pond	Fish	†5AF	1	1	11	Webster	Aug.	8	1912	—	1213
Crooked Creek	Perry, Lora B.	Red Cloud	Weesner Canal	Irrig.	.30	36	2	11	Webster	June	23	1925	—	1765
Crystal Springs	Eshelman, C. F.	Riverton	Crystal Springs Canal	Irrig.	.28	10	2	13	Franklin	Aug.	17	1921	—	1615
Curtis Creek	Nelson, D. O. and H. L.	Curtis	Nelson Pump	Irrig.	.27	36	8	28	Frontier	Apr.	19	1927	—	1927
Deep Creek	Runck, John J.	Orleans	Runck Pump No. 2	Irrig.	.65	22	3	20	Harlan	Sept.	18	1928	—	2030
Deer Creek	Farr, Ed	Cambridge	Farr Pump	Irrig.	.22	10	5	25	Frontier	Feb.	7	1938	—	2833
Driftwood Cr.	Schmitz, Carl M.	McCook	Schmitz Canal	Irrig.	1.50	12	2	30	Red Willow	May	3	1913	—	1287
Driftwood Cr.	Hesterwerth, Mrs. John T., et al	McCook	Hesterwerth Canal	Irrig.	1.00	14	2	30	Red Willow	Nov.	17	1913	—	1332

Driftwood Cr.	Kueffer, Mattie S., et al	Culbertson	Sylvan Dell Canal	Irrig.	2.80	1	2	30	Red Willow	Dec.	6	1913	—	1340
Driftwood Cr.	Hoyt, Frank	McCook	Hoyt Pump	Irrig.	.56	24	2	31	Hitchcock	Sept.	7	1937	—	2780
Driftwood Cr.	Liebrandt, John C.	McCook	De Groff Pump	Irrig.	.67	14	2	30	Red Willow	Sept.	5	1939	—	2957
Elk Creek	Murray, Esther	Arapahoe	Murray Canal	Irrig.	2.85	11	4	23	Furnas	Aug.	13	1913	—	1315
Elm Creek	Rasser, William and Walter	Red Cloud	Rasser Canal	Irrig.	1.02	3	1	10	Webster	Jan.	24	1934	—	2357
Elm Creek	Rasser, William and Walter	Red Cloud	Rasser Bros. Canal	Irrig.	.45	3	1	10	Webster	Apr.	26	1939	—	2917
Fox Creek	Schick, Wm.	Curtis	Schick Pump	Irrig.	.43	5	8	28	Frontier	May	16	1940	—	3161
Fox Creek	Keldsen, Chris	Curtis	Keldsen Pump	Irrig.	.35	8	8	28	Frontier	May	16	1940	—	3162
Frenchman R.	Athey, H. E.	Wauneta	Wauneta Power Plant	Power	35.00	11	5	36	Chase	July	31	1886	178	—
Frenchman R.	Wauneta Light and Power Company	Wauneta	Wauneta Power Plant	Rs. Dam D-178		11	5	36	Chase	May	7	1928	—	2015
Frenchman R.	Daschosifsky, G.	Lamar	Lamar Rolling Mills	Power	30.00	18	6	40	Chase	Dec.	20	1887	1013	—
Frenchman R.	Knotwell, Glen R.	Champion	Champion Mills	Power	28.20	21	6	39	Chase	Dec.	31	1887	179	—
Frenchman R.	Sheridan, Ellen T., et al	McCook	Aberdeen Canal	Irrig.	2.00	3	5	38	Chase	July	1	1888	50a	—
Frenchman R.	Grosbach, H. H. and Rose	Wauneta	Harlan Canal	Irrig.	2.00	1	5	38	Chase	July	1	1888	56	—
Frenchman R. and Stinking Water Creek	Frenchman Valley Irrig. District	Culbertson	Culbertson Canal	Irrig.	215.00	31	5	33	Hayes	May	16	1890	24-25 29-30	—
Frenchman R. (See A-1108)	Kilpatrick Brothers	Beatrice	Champion Canal	Irrig.	‡24.00	23	6	40	Chase	Dec.	23	1890	47	—
Frenchman R.	Sheridan, Ellen T., et al	McCook	Aberdeen Canal	Irrig.	.50	3	5	38	Chase	Feb.	2	1891	50b	—
Frenchman R.	Farmers Canal Co.	Culbertson	Farmers Canal	Irrig.	10.00	11	3	32	Hitchcock	Dec.	19	1893	10	—
(Canyon No. 10)	Wacker, Geo., Estate	Culbertson	Wacker Canal	O. D.	D-10	17	3	31	Hitchcock	Dec.	19	1893	—	1523
(Canyon No. 10)	Crews, C. G.	Culbertson	Farmers Canal	O. D.	D-10	17	3	31	Hitchcock	Dec.	19	1893	—	1573

†Reservoir capacity alleged by applicant.
‡Amount affirmed by U. S. Supreme Court.
"O. D." Denotes optional diversion.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Frenchman R.	Fuller, C. D.	Imperial	Fuller Canal	Irrig.	23.86	4	5	36	Chase	June	12	1894	62	—
Frenchman R.	Riverside Irrig. Co.	Culbertson	Riverside Canal	Irrig.	12.00	33	4	32	Hitchcock	July	28	1894	18	—
Frenchman R.	Dissmore, Geo. A	Des Moines, Iowa	Frenchman Valley Canal	Irrig.	5.40	31	5	33	Hayes	Aug.	23	1894	38	—
Frenchman R.	Grosbach, H. H. and Rose	Wauneta	Gould Canal	Irrig.	2.00	1	5	38	Chase	Oct.	9	1894	67	—
Frenchman R.	Maranville, E., et al	Champion	Maranville Canal	Irrig.	6.00	12	6	41	Chase	Dec.	8	1894	70-71	—
Frenchman R.	Woods, John and Francis	Wauneta	North Gurnsey Canal	Irrig.	1.30	3	5	37	Chase	Jan.	14	1895	74	—
Frenchman R.	Woods, John and Francis	Wauneta	South Gurnsey Canal	Irrig.	22.57	10	5	37	Chase	Jan.	14	1895	75	—
Frenchman R.	Inman, Norton	Champion	Inman Canal	Irrig.	1.50	17	6	40	Chase	Feb.	28	1895	79	—
Frenchman R.	Kilpatrick Brothers	Beatrice	North Side Canal	Irrig.	79	21	6	39	Chase	Feb.	25	1896	—	246
Frenchman R.	Shallenberger and Hoffmeister	Imperial	Shallenberger Canal	Irrig.	1.77	25	6	39	Chase	Dec.	21	1897	—	423
Frenchman R.	Inman Irrig. Co.	Imperial	Inman Canal	Irrig.	6.43	17	6	40	Chase	Feb.	10	1898	—	436
Frenchman R.	Hoke, J. A., Estate	Champion	Champion Creamery	Power	34.40	21	6	39	Chase	Dec.	12	1900	—	591
Frenchman R.	Follett-Krotter	Palisade	Follett-Krotter Pump	Irrig.	4.29	35	5	34	Hayes	Apr.	30	1903	—	705
Frenchman R.	Follett-Krotter	Palisade	Follett-Krotter Pump	Irrig.	2.57	35	5	34	Hayes	Aug.	11	1903	—	720
Frenchman R.	Hagerman, Wm.	Hamlet	Hagerman Canal	Irrig.	.86	19	5	34	Hayes	Mar.	11	1909	—	935
Frenchman R.	Krotter, F. C., Estate	Palisade	Follett-Krotter Canal	Irrig.	5.70	35	5	34	Hayes	Jan.	15	1910	—	975
Frenchman R.	Krotter, F. C., Estate	Palisade	Krotter Power Plant	Power	55.00	35	5	34	Hayes	Aug.	17	1910	—	1021
Frenchman R.	Krotter, F. C., Estate	Palisade	Krotter Canal	Irrig.	2.42	35	5	34	Hayes	Dec.	15	1910	—	1047
Frenchman R.	Hoke, J. A., Estate	Champion	Hoke Canal	Irrig.	1.29	21	6	39	Chase	May	1	1911	—	1094
Frenchman R.	Kilpatrick Brothers	Beatrice	Champion Supply Canal	Irrig.	†1000AF	23	6	40	Chase	June	22	1911	—	1108
(Kilpatrick Reservoir)	Kilpatrick Brothers	Beatrice	Kilpatrick Res. Canal	Supple.	D-47	30	6	39	Chase	June	22	1911	—	1160
Frenchman R.	Sheridan, Ellen T.	McCook	Aberdeen Canal	Irrig.	1.57	3	5	38	Chase	July	29	1911	—	1117
Frenchman R.	Theobald and Athey	Wauneta	Wauneta Power Plant	Power	75.00	11	5	36	Chase	Nov.	16	1911	—	1136

Frenchman R.	Arterburn, E. E.	Lincoln	Arterburn Reservoir	Irrig.	†1300AF	11	6	41	Chase	Nov.	28	1911	—	1142
Frenchman R.	Bishop, Stephen S., Estate	Lincoln	Inman Reservoir	Irrig.	†2000AF	17	6	40	Chase	Dec.	8	1911	—	1145
Frenchman R.	Oliver Brothers	Wauneta	Oliver Power Plant	Power	50.00	7	5	35	Hayes	Apr.	28	1913	—	1284
Frenchman R.	Oliver Brothers	Wauneta	Oliver Power Plant	Rs. Dam A-1284		7	5	35	Hayes	Jan.	16	1929	—	2061
Frenchman R.	Oliver Brothers	Wauneta	Oliver Canal	Irrig.	3.20	7	5	35	Hayes	Apr.	28	1913	—	1285
Frenchman R.	Krotter, F. C., Estate	Palisade	Krotter Power Plant	Power	65.00	35	5	34	Hayes	Dec.	2	1913	—	1339
Frenchman R.	City of Imperial	Imperial	Imperial Power Plant	Power	55.00	25	6	39	Chase	Feb.	7	1917	—	1474
Frenchman R.	City of Imperial	Imperial	Lake Imperial	Storage	†960AF	25	6	39	Chase	May	14	1917	—	1487
Frenchman R.	Riverside Ditch Co.	Culbertson	Riverside Canal	Irrig.	2.90	33	4	32	Hitchcock	July	3	1922	—	1674
Frenchman R.	Severns, Fred	Palisade	Severns Pump	Irrig.	2.01	9	4	33	Hitchcock	Sept.	11	1926	—	1856
Frenchman R.	Krotter, F. C., Estate	Palisade	Krotter-Imperial Res.	Irrig.	†7000AF	3	5	38	Chase	Feb.	10	1928	—	1979
Frenchman R.	Krotter, F. C., Estate	Palisade	Kotter-Imperial Power Plant	Power	50.00	3	5	38	Chase	Feb.	10	1928	—	1980
Frenchman R.	Krotter, F. C., Estate	Palisade	Follett-Krotter Ext.	Irrig.	2.98	35	5	34	Hayes	Jan.	6	1933	—	2294
Frenchman R.	Grosbach, H. H. and Rose	Wauneta	Harlan Canal	Irrig.	1.26	32	6	37	Chase	July	11	1933	—	2231
Frenchman R.	Grosbach & Williams	Wauneta	Grosbach-Williams Power Plant	Power	75.00	5	5	37	Chase	July	27	1933	—	2338
Frenchman R.	Grimm, Fred R.	Wauneta	Grimm Pumpa	Irrig.	1.19	15	5	35	Hayes	Apr.	25	1935	—	2542
						16	5	35						
						22	5	35						
Frenchman R. and Springs	Hoffmeister, Geo.	Imperial	Hoffmeister Reservoir	Irrig.	†100AF	31	6	38	Chase	Mar.	13	1936	—	2570
(Hoffmeister Reservoir)	Hoffmeister, Geo.	Imperial	Hoffmeister Reservoir Canal	Irrig.		30	6	38	Chase	Mar.	13	1936	—	2575
Frenchman R.	Krausnick, Fred W.	Wauneta	Krausnick Pump	Irrig.	.56	3	5	37	Chase	Mar.	2	1937	—	2705
Frenchman R.	Wise, Emma J.	Palisade	Wise Pump	Irrig.	1.38	22	5	36	Hayes	Aug.	10	1937	—	2772
Frenchman R.	Witt and Follett	Palisade	Follett-Witt Pump	Irrig.	.46	35	5	34	Hayes	Nov.	20	1937	—	2805
Frenchman R.	Hoffmeister, Chas.	Imperial	Hoffmeister Reservoir	Resort		24	6	40	Chase	Jan.	21	1938	—	2829*
Frenchman R.	Severns, U. S.	Palisade	Severns Pump	Irrig.	.91	9	4	33	Hitchcock	Mar.	15	1938	—	2547
Frenchman R.	Oliver Brothers	Wauneta	Oliver Pump	Irrig.	.35	16	5	35	Hayes	Apr.	2	1938	—	2858

†Reservoir capacity alleged by applicant.
"Supple." Denotes storage water in addition to direct flow.
*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Frenchman R.	Sims, Guy R. and Engell, J. B.	Wauneta	Engell-Sims Pump	Irrig.	1.23	17	5	35	Hayes	Feb.	9	1939	----	2908
Frenchman R.	Gruver, Clyde L.	Palisade	Gruver Pump	Irrig.	1.03	5	4	33	Hitchcock	Feb.	27	1939	----	2910
Frenchman R.	Handel, Raymond J.	Palisade	Handel Pump	Irrig.	1.35	8	4	33	Hitchcock	Mar.	11	1940	----	3112
Frenchman R.	Krotter, F. C., Estate	Palisade	Krotter Bros. Pump	Irrig.		4	5	38	Chase	Sept.	11	1941	----	3503*
Frenchman R.	Krotter, F. C., Estate	Palisade	Krotter Reservoir	Irrig.		4	5	38	Chase	Sept.	11	1941	----	3504*
Ground Water	Krotter, F. C., Estate	Palisade	Krotter Well No. 1	Irrig.		36	5	34	Hayes	May	6	1938	----	2872*
			Krotter Well No. 2	Irrig.		1	4	34	Hitchcock					
Ground Water	Rice, Floyd W.	Palisade	Rice Well	Irrig.		34	5	34	Hayes	Oct.	8	1938	----	2889*
Ground Water	Ashmore, Hugh B.	Palisade	Ashmore Well	Irrig.		25	5	34	Hayes	Mar.	11	1940	----	3113*
Ground Water	Bauerle, William	Trenton	Baurele Well	Irrig.		34	3	32	Hitchcock	June	3	1940	----	3170*
Ground Water	Lichty, Nettie Grable	Republican City	Grable Well	Irrig.		13	1	18	Harlan	Aug.	21	1940	----	3237*
Ground Water	Kilpatrick Bros. Co.	Beatrice	Kilpatrick Well	Irrig.		5	7	38	Chase	Dec.	9	1940	----	3345*
Ground Water	Trenchard, J. W.	Cambridge	Trenchard Well	Irrig.		4	3	26	Red Willow	Feb.	17	1941	----	3393*
Ground Water	Kimberling, Charley C.	Champion	Kimberling Well	Irrig.		20	6	40	Chase	Mar.	11	1941	----	3412*
Ground Water	Seyler, Clemens G.	Republican City	Seyler Well	Irrig.		15	1	17	Harlan	Oct.	15	1941	----	3520*
Ground Water	Haskins, Nelie	Republican City	Haskins Well	Irrig.		16	1	17	Harlan	Oct.	21	1541	----	3521*
Ground Water	Hewitt, Bert	Superior	Hewitt Well	Irrig.		13	1	18	Harlan	Oct.	25	1941	----	3523*
Ground Water	Shallenberger, Grace	Alma	Shallenberger Well	Irrig.		6	1	18	Harlan	Oct.	29	1941	----	3528*
Ground Water	Sindt, Henry	Naponee	Henry Sindt Well No. 1	Irrig.		17	2	16	Franklin	May	14	1942	----	3565*
Ground Water	Chitwood, H. O.		Chitwood Well No. 1	Irrig.		35	2	15	Franklin	June	5	1942	----	3573*
Ground Water	Pedersen, Henry	Guide Rock	Pederson Wells 1 & 2	Irrig.		24	2	9	Webster	June	20	1942	----	3578*
Ground Water	Shank, F. W.	Oxford	Shank Well	Irrig.		15	2	22	Furnas	Aug.	15	1942	----	3583*

Horse Creek	Pringle, Geo. N.	Parks	Horse Creek Canal	Irrig.	1.86	23	1	39	Dundy	Aug.	31	1885	159 173	— —
Horse Cr. Spr. Trib. to	Pringle, Esther L.	Parks	Pringle Canal	Irrig.	.57	11	1	39	Dundy	Jan.	12	1897	—	364
Horse Cr., Spr. Trib. to	Pringle, Geo. N.	Parks	Pringle Canal	Irrig.	1.57	14	1	39	Dundy	May	11	1906	—	824
#Indian Creek	Thompson, R. P., et al	Benkelman	Thompson-Van Sickle Canal	Irrig.	.93	8	2	37	Dundy	June	20	1895	—	237
Indian Creek	Chamberlain, J. C.	Mt. Sterling, Illinois	Chamberlain Canal	Irrig.	.06	18	2	36	Dundy	Oct.	4	1895	—	240
Indian Creek	Foster, Chas.	Max	Wilson Canal	Irrig.	1.42	23	2	36	Dundy	June	22	1895	—	268
Indian Creek	Gardner, W. A.	Max	Gardner Pump	Irrig.	.56	18	2	36	Dundy	Apr.	2	1938	—	2859
Indian Creek	Daniels, Elbert E.	Max	Daniels Pump	Irrig.		23	2	36	Dundy	Nov.	24	1941	—	3534
Indian Creek	Phillips, Daniel	Red Cloud	Phillips Pump	Irrig.	2.21	21	2	11	Webster	Jan.	9	1926	—	1791
Indian Creek	Ramey, O. E.	Red Cloud	Ramey Pump	Irrig.	3.87	20	2	11	Webster	Jan.	19	1926	—	1792
Macklin Creek	Bradley, Francis E.	Trenton	Bradley Pump	Irrig.	.36	1	2	34	Hitchcock	Mar.	7	1928	—	1989
Macklin Creek	Thuman, A.	Trenton	Cemer Pump	Irrig.	.09	36	3	34	Hitchcock	Mar.	28	1928	—	1992
Mauer Springs	C. B. & Q. R. R. Co.	Lincoln	Burlington Pipe Line	Dom.	1.48	23	2	11	Webster	Nov.	28	1911	—	1143
Medicine Creek	Gold Coin Mills	Cambridge	Cambridge Mill	Power	68.00	29	4	25	Furnas	Dec.	31	1878	92-93	—
Medicine Creek	Cambridge-Arapahoe Irrig. and Improvement Co.	Arapahoe	Cambridge-Arapahoe Canal	Irrig.	170.00	29	4	25	Furnas	Aug.	26	1891	89	—
Medicine Creek	Reed, Martha	Stockville	Sanders Canal	Irrig.	1.43	27	7	27	Frontier	Feb.	8	1895	83	—
Medicine Creek	Crete Mills	Crete	Curtis Lake	Power		32	8	28	Frontier				364*	—
Medicine Creek	Maywood Mill Co.	Maywood	Maywood Mills	Power	11.88	16	8	29	Frontier	May	4	1907	—	858
Medicine Creek	Berck, Burdette C.	Maywood	Nelson Pump	Irrig.	.61	21	8	28	Frontier	Oct.	2	1926	—	1865
Medicine Creek	Game, Forestation & Parks Commission	Lincoln	Wellfleet Dam	Resort	†80AF	16	9	30	Lincoln	June	15	1931	—	2210
Medicine Creek	United Public Power and Irrig. District	Cambridge	Medicine Creek Canal	Irrig.		20	4	25	Furnas	Jan.	27	1937	—	2686*

*Application pending.
#Indian Creek in Dundy County and Indian Creek in Webster County are reparate streams.
†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Medicine Creek	United Public Power and Irrig. District	Cambridge	Medicine Creek Res.	I. & P.		25	5	26	Frontier	Jan.	27	1937	___	2687*
Medicine Creek	Towne, W. E.	Maywood	Towne Pump	Irrig.	.59	26	8	29	Frontier	Feb.	6	1940	___	3088
Medicine Creek	Compton, C. H.	Cambridge	Compton Pump	Irrig.	.67	24	5	26	Frontier	May	14	1940	___	3158
Medicine Creek	Tridle, R. D.	Freedom	Tridle Pumps	Irrig.	.76	31	6	26	Frontier	June	4	1940	___	3173
						2	5	26						
Medicine Creek	Towne, W. E.	Maywood	Towne Pump	Irrig.	.15	26	8	29	Frontier	July	11	1940	___	3197
Medicine Creek	Buker, J. G.	Freedom	Buker Pump	Irrig.	.59	18	6	26	Frontier	Oct.	8	1940	___	3285
Medicine Creek	Lynch, R. G.	Roseland	Lynch-Buker Pump	Irrig.	.33	12	6	27	Frontier	Oct.	9	1940	___	3287
Medicine Creek	Schmelzer, Albert	Maywood	Schmelzer Pump	Irrig.	.62	8	8	29	Frontier	Oct.	31	1940	___	3315
Medicine Creek	Compton, C. H.	Cambridge	Compton Pump	Irrig.	.64	24	5	26	Frontier	Dec.	10	1940	___	3356
Milrose Creek	Keester, R. L.	Alma	Keester Pump	Irrig.	.35	9	2	19	Harlan	Dec.	10	1940	___	3348
Muddy Creek	Larson, Oscar F.	Arapahoe	Larson Pump	Irrig.	3.53	17	4	23	Furnas	Feb.	9	1927	___	1898
Muddy Creek	Michel, Geo. N.	Arapahoe	Michel Pump	Irrig.	.29	15	4	23	Furnas	Oct.	13	1928	___	2042
Muddy Creek	Tracy, Estella G.	Max	Tracy Pump	Irrig.	1.19	2	2	36	Dundy	Nov.	20	1940	___	3335
Prairie Dog Cr.	Feese, C. A.	Alma	Feese Pump No. 1	Irrig.	.69	24	1	18	Harlan	Aug.	2	1937	___	2768
			Feese Pump No. 2	Irrig.	.44	25	1	18						
Prairie Dog Cr.	Seyler, Lew	Alma	Seyler Pump	Irrig.	.50	33	1	18	Harlan	Sept.	13	1937	___	2786
Prairie Dog Cr.	Stolts, Carroll	Republican City	Stolts Pump	Irrig.	.39	24	1	18	Harlan	Aug.	2	1939	___	2946
Prairie Dog Cr.	Kauk, Fred	Alma	Kauk Pump	Irrig.	.29	32	1	18	Harlan	Aug.	7	1939	___	2948
Prairie Dog Cr.	McCleery, Winifred W.	Alma	McCleery Pumps	Irrig.	.44	31	1	18	Harlan	Nov.	6	1939	___	3010
Prairie Dog Cr.	Lethem, John R.	Republican City	Lethem Pumps	Irrig.	.33	24	1	18	Harlan	Dec.	12	1939	___	3046
Prairie Dog Cr.	Kauk, Wm.	Alma	Kauk Pump	Irrig.	.19	28	1	18	Harlan	Jan.	19	1940	___	3078

Prairie Dog Cr.	Stone, Earl D.	Republican City	Stone Pumps	Irrig.	.58	23	1	18	Harlan	Mar.	4	1940	—	3103
Prairie Dog Cr.	Thompson, Eva M.	Alma	Thompson Pumps	Irrig.	.31	34	1	18	Harlan	Mar.	4	1940	—	3104
Prairie Dog Cr.	Beyer, Freda	Alma	Waldo-Beyer Pump	Irrig.	.25	23	1	18	Harlan	Sept.	5	1940	—	3256
	Waldo, Cartha	Republican City												
Prairie Dog Cr.	Miller, Glenn, et al	Orleans	Miller Pump	Irrig.	.93	35	1	19	Harlan	Oct.	11	1940	—	3292
Prairie Dog Cr.	Stone, James S.	Alma	Stone Pump	Irrig.	.40	33	1	18	Harlan	Nov.	20	1940	—	3334
Prairie Dog Cr.	King, Louise, et al	Kearney	Johnson-King-Crow Pump	Irrig.	.84	19	1	17	Harlan	Mar.	6	1941	—	3411
Prairie Dog Cr., Tributary to	Kauk. Fred	Alma	Kauk Canal	Irrig.	.22	29	1	18	Harlan	Dec.	12	1939	—	3047
Red Willow Cr.	Cooper, Jas.	Wallace	Red Willow Canal	Irrig.	2.00	36	9	33	Lincoln	Dec.	20	1893	647	—
Red Willow Cr.	Helm, John F.	McCook	Helm Canal	Irrig.	.93	8	3	28	Red Willow	Dec.	5	1910	—	1042
Red Willow Cr.	Hadley, Flora B.	McCook	Hadley Canal	Irrig.	8.43	36	3	28	Red Willow	Oct.	22	1927	—	1964
Red Willow Cr.	Fitzgerald, Elmer	Hayes Center	Fitzgerald Pump	Irrig.	.57	21	8	32	Hayes	July	27	1934	—	2447
Red Willow Cr.	Kelley, Charles W.	McCook	Kelley Pump Canal	Irrig.	52.00	16	5	30	Frontier	Dec.	20	1938	—	2901
Red Willow Cr.	Bortner, Wm.	St. Ann	Bortner Pump	Irrig.	.57	28	5	30	Frontier	July	21	1939	—	2938
Red Willow Cr.	Walker, Chas.	St. Ann	Walker Pump	Irrig.	.81	9	6	31	Hayes	Dec.	6	1939	—	3037
Red Willow Cr.	Quick, Merritt W.	Quick	Quick Pump	Irrig.	.76	31	5	29	Frontier	Jan.	22	1940	—	3082
Red Willow Cr.	McKillip, A. P.	Hayes Center	McKillip Pump	Irrig.	.97	22	6	31	Hayes	Mar.	9	1940	—	3111
Red Willow Cr.	Bortner, Wm.	St. Ann	Bortner Pump	Irrig.	.18	21	5	30	Frontier	Mar.	12	1940	—	3114
Red Willow Cr.	Hill, Howard W.	Hayes Center	Hill Pump	Irrig.	.23	27	6	31	Hayes	Mar.	28	1940	—	3124
Red Willow Cr.	Little, H. E.	Culbertson	Little Riverdale Pump	Irrig.	.42	2	5	31	Hayes	Sept	20	1941	—	3508
Republican R.	Consumers Public Power District	Columbus	Guthrie Canal	Power	400.00	34	1	7	Nuckolls	Sept.	1	1877	1036	—
Republican R.	Consumers Public Power District	Columbus	Arapahoe Star Mills	Power	196.00	27	4	23	Furnas	July	24	1879	1029	—
Republican R.	Kirtland, E. S.	Orleans	Orleans Mill	Power		27	2	19	Harlan				1043*	—
Republican R.	Carson, A.	McCook	Carson Canal No. 1	Irrig.	1.43	27	3	30	Red Willow	July	1	1888	103	—

*Application pending, or claim not adjudicated.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Republican R.	Pioneer Irrig. Co.	Haigler	Haigler Canal	Irrig.	27.00	2	1	43	Yuma, Colo.	Apr.	4	1890	1025	—
Republican R.	Pioneer Irrig. District	Haigler	Haigler Canal	Irrig.	#50.00	2	1	43	Yuma, Colo.	Apr.	4	1890	1025	—
Republican R.	Brown, W. A.	Haigler	Sand Point Canal	Irrig.	11.00	11	1	42	Dundy	Sept.	25	1890	115	—
Republican R.	Dundy County Irrig. Company	Benkelman	Dundy County Canal	Irrig.	45.00	24	1	39	Dundy	Nov.	22	1890	118	—
Republican R.	Trite, W. H., et al	Culbertson	Trite-Davenport Canal	Irrig.	7.00	20	3	31	Hitchcock	Dec.	18	1890	3	—
Republican R.	McCook Ditch Co.	McCook	Meeker Canal	Irrig.	143.00	15	3	31	Hitchcock	Dec.	22	1890	4-9-8-7	—
Republican R.	Trenton Farmers Irrig. Association	Trenton	Trenton Canal	Irrig.	32.00	10	2	34	Hitchcock	Dec.	24	1890	5	—
Republican R.	Carson, A.	McCook	Carson Canal No. 2	Irrig.	18.00	27	3	30	Red Willow	May	5	1891	102	—
Republican R.	Neighbors, E. G.	Benkelman	Neighbors Canal	Irrig.	2.86	24	1	39	Dundy	Mar.	18	1891	133	—
Republican R.	Republican Irrig. Co.	Benkelman	Republican R. Canal	Irrig.	30.00	29	1	38	Dundy	May	2	1892	147	—
													148	—
Republican R.	Larned, W. H., et al	Haigler	White-Larned Canal	Irrig.	3.00	22	1	40	Dundy	Apr.	29	1893	150	—
Republican R.	Marr, Lorenzo	Culbertson	Marr Canal	Irrig.	4.29	16	3	31	Hitchcock	Jan.	22	1894	11	—
Republican R.	Anderson, Anders	Max	Anderson Canal	Irrig.	1.90	1	1	37	Dundy	Jan.	26	1894	151	—
Republican R.	Thomas, A. J.	Haigler	Thomas Canal	Irrig.	2.00	23	1	40	Dundy	June	5	1894	154	—
Republican R.	Ballard, Henry L.	Oxford	Ballard Canal	Irrig.	8.00	8	3	21	Furnas	June	9	1894	91	—
Republican R.	Wilcox, F. S.	McCook	Wilcox Canal	Irrig.	4.50	32	3	29	Red Willow	Oct.	4	1894	109	—
Republican R.	Delaware-Hickman Ditch Company	Benkelman	Delaware-Hickman Canal	Irrig.	20.00	17	1	37	Dundy	Jan.	7	1895	157	—
Republican R.	Allen, E. M., et al	Arapahoe	Allen Canal	Irrig.	14.00	2	3	26	Red Willow	Jan.	26	1895	110	—
Republican R.	Spooners, J. A.	Parks	Private Canal	Irrig.	1.00	25	1	40	Dundy	Oct.	7	1897	—	413
Republican R.	Hamilton, Henry L.	McCook	Harmon Pond	Ice	10.00	32	3	29	Red Willow	Jan.	22	1900	—	535
Republican R.	Walsh, Patrick	McCook	Walsh Canal	Irrig.	11.00	35	3	30	Red Willow	Jan.	31	1900	—	537
Republican R.	Rogers, W. N.	McCook	Shadeland Park Canal	Irrig.	38.00	26	3	29	Red Willow	Jan.	3	1911	—	1049
Republican R.	McConnell Brothers	Trenton	McConnell Canal	Irrig.	180.00	10	2	34	Hitchcock	Jan.	23	1911	—	1055
Republican R.	Hurst, J. C., et al	Trenton	Hurst-Day Canal	Irrig.	7.00	28	2	35	Hitchcock	Mar.	2	1911	—	1068

Republican	R.	Cappel, Geo.	McCook	Cappel Canal	Irrig.	1.57	19	3	30	Red Willow	May	1	1911	—	1093
Republican	R.	Rogers, W. N.	McCook	Shadeland Park Canal	Irrig.	7.00	25	3	29	Red Willow	Sept.	28	1911	—	1129
Republican	R.	Anderson, Christen. et al	Benkelman	Cottonwood Canal	Irrig.	3.35	6	1	36	Dundy	Feb.	19	1912	—	1172
Republican	R.	Rupert Ditch Co.	Culbertson	Rupert Canal	Irrig.	20.00	32	3	32	Hitchcock	Apr.	19	1912	—	1192
Republican	R.	Pringle, Geo. N.	Parks	Parks Canal	Irrig.	16.00	20	1	39	Dundy	June	18	1912	—	1202
Republican	R.	Bartlett, Wm. C.	Alma	Lake Disappointment	Resort	†60AF	32	2	18	Harlan	Dec.	18	1915	—	1442
Republican	R.	Everson, P. M. and Mitchell, J. C.	Alma	Everson Canal	Irrig.	1.07	13	2	18	Harlan	Dec.	18	1915	—	1443
Republican	R.	Pringle, Geo. N.	Parks	Parks Canal	Irrig.	2.00	20	1	39	Dundy	Dec.	31	1915	—	1444
Republican	R.	Pringle, Geo. N.	Parks	Parks Extension	Irrig.	1.14	20	1	39	Dundy	Sept.	5	1919	—	1555
Republican	R.	Ham, Roy A.	Benkelman	Ham Canal	Irrig.	3.47	9	1	37	Dundy	Sept.	14	1921	—	1618
Republican	R.	Campbell, W. E.	Trenton	Campbell Canal	Irrig.	9.27	9	2	34	Hitchcock	Nov.	26	1921	—	1627
Republican	R.	Crews, L. E.	Haigler	Crews Canal No. 2	Irrig.	2.59	20	1	41	Dundy	Mar.	29	1923	—	1709
Republican	R.	Luther, Walter	Cambridge	Dunlay Pump	Irrig.	5.00	26	2	19	Harlan	July	8	1925	—	1768
Republican	R.	Fishbach, Geo.	Orleans	Fischbach Pump	Irrig.	1.58	33	2	19	Harlan	Aug.	27	1925	—	1778
Republican	R.	Stevenson, L. E., Est.	Alma	Stevenson Pump	Irrig.	6.34	5	1	18	Harlan	Sept.	30	1925	—	1781
Republican	R.	Drummond, Dean	Republican City	Drummond Pump	Irrig.	2.37	11	1	17	Harlan	Oct.	13	1925	—	1782
Republican	R.	Scott, C. E.	Alma	Scott Pump	Irrig.	3.37	36	2	19	Harlan	Dec.	22	1925	—	1789
Republican	R.	Haeker, K. G.	Alma	Haeker Pump	Irrig.	4.60	35	2	19	Harlan	Mar.	2	1926	—	1798
Republican	R.	Olson, Oliver	Orleans	Republican Valley Pump	Irrig.	2.06	27	3	20	Harlan	June	18	1926	—	1821
Republican	R.	Olson, L.	Orleans	Lake View Project	Irrig.	1.15	27	3	20	Harlan	June	29	1926	—	1824
Republican	R.	Crews, L. E.	Haigler	Crews North Side Canal No. 3	Irrig.	4.00	20	1	41	Dundy	June	30	1926	—	1826
Republican	R.	Worden, Dorsey	Superior	Worden Pump	Irrig.	1.04	32	1	6	Nuckolls	Sept.	23	1926	—	1863
Republican	R.	Workman, Rich	Republican City	Workman Pump	Irrig.	1.10	16	1	17	Harlan	Jan.	19	1927	—	1836
Republican	R.	Sheffrey, C. E.	Oxford	Sheffrey Pump	Irrig.	1.83	16	3	20	Harlan	Feb.	28	1927	—	1906
Republican	R.	Wintersteen, V. L.	Republican City	Wintersteen Pump	Irrig.	.11	12	1	18	Harlan	Mar.	17	1927	—	1914
Republican	R.	Best, John H.	Oxford	Best Pump	Irrig.	1.41	27	3	20	Harlan	June	30	1927	—	1936

Amount affirmed bp U. S. Supreme Court: 35.00 second-feet for Nebraska, and 15.00 second-feet for Colorado.
†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam S	T	R	County	Date of Priority Mo.	D	Yr.	Doc. No.	App. No.
Republican R.	Wilson, J. F., Jr.	Guide Rock	Wilson Pump	Irrig.	.57	14	1	9	Webster	July	8	1927	___	1937
Republican R.	Romjue, Carl M.	Red Cloud	Romjue Pump	Irrig.	2.03	12	1	11	Webster	Apr.	16	1928	___	2005
Republican R.	Jansen, Wm.	Superior	Jansen Pump	Irrig.	1.60	29	1	7	Nuckolls	May	14	1928	___	2017
						28	1	7						
Republican R.	Runck, John J.	Orleans	Runck Pumps	Irrig.	3.29	22	3	20	Harlan	Sept.	18	1928	___	2029
						27	3	20						
Republican R.	Keifer, J. Warren, Jr.	Bostwick	Keifer Canal No. 1	Irrig.	9.83	21	1	8	Nuckolls	Sept.	22	1930	___	2167
Republican R.	Furry, Cameron J.	Franklin	Furry Pumps	Irrig.	2.26	12	1	15	Franklin	Nov.	10	1930	___	2171
						6	1	14						
Republican R.	Keifer, J. Warren, Jr.	Bostwick	Keifer Canal No. 2	Irrig.	9.15	26	1	8	Nuckolls	Nov.	17	1930	___	2175
Republican R.	Mendell, B. C.	Superior	Mendell Canal	Irrig.	2.61	35	1	7	Nuckolls	Sept.	7	1932	___	2283
Republican R.	Fischbach, Geo.	Orleans	Fischbach Pump Ext.	Irrig.		33	2	19	Harlan	Feb.	15	1933	___	2304
Republican R.	Hill, Roy E.	Edison	Hill Pump	Irrig.	1.86	33	4	22	Furnas	Mar.	29	1933	___	2314
Republican R.	Arneson, F. L.	Inavale	Valley Grove Pumps	Irrig.	.97	2	1	12	Webster	Apr.	17	1933	___	2318
						5	1	12						
Republican R.	Hall, Dorothy A.	Hastings	Sherwood Pump	Irrig.	.97	12	3	21	Furnas	July	19	1933	___	2333
Republican R.	Fritzer, G. E.	Edison	Fritzer Pump	Irrig.	1.29	32	4	22	Furnas	Aug.	3	1933	___	2340
Republican R.	Mayfield, L. L.	Edison	Mayfield Pump	Irrig.	1.17	35	4	22	Furnas	June	8	1934	___	2403
Republican R.	Best, John	Oxford	Best Pump	Irrig.	2.50	36	4	22	Furnas	Nov.	9	1934	___	2492
Republican R.	Warner, George	Edison	Warner Pumps	Irrig.	.57	1	3	22	Furnas	Jan.	28	1935	___	2510
						36	4	22						
Republican R.	Lideen, N. E.	Orleans	Lideen Pump	Irrig.	.29	19	2	19	Harlan	Feb.	20	1935	___	2516
Republican R.	Fisher, Marshall	Edison	Fisher Pump	Irrig.	.32	36	4	22	Furnas	June	23	1936	___	2583
Republican R.	Republican River Public Power and Irrig. District	Bostwick	Republican River Canal No. 1	Irrig.		11	1	17	Harlan	Feb.	1	1937	___	2691*
			Republican River Canal No. 2	Irrig.		5	1	13	Franklin					
			Republican River Canal No. 3	Irrig.		8	1	9	Webster					

Republican	R.	Republican River Public Power and Irrig. District	Bostwick	Republican City Res.	Irrig.			14	1	17	Harlan	Feb.	1	1937	—	2692*
Republican	R.	Lang, Alfred E.	Indianola	Riverside Pump	Irrig.	.42	14	3	27	Red Willow	Feb.	16	1937	—	2698
Republican	R.	French, J. A.	Edison	French Pump	Irrig.	.39	6	3	21	Furnas	Feb.	25	1937	—	2703
Republican	R.	Dick, Daniel B.	Cambridge	Dick Pump	Irrig.		26	4	25	Furnas	Mar.	24	1938	—	2855*
Republican	R.	Andrews, Donald	Cambridge	Andrews Pump	Irrig.	.56	29	4	24	Furnas	Apr.	29	1938	—	2867
Republican	R.	Kiehl, W. C., Estate	Guide Rock	Kiehl Pump	Irrig.	.26	9	1	9	Webster	May	2	1939	—	2919
Republican	R.	Mendell, B. C.	Superior	Mendell Canal	Irrig.	.07	35	1	7	Nuckolls	July	13	1939	—	2934
Republican	R.	Uplinger, Mabel E.	Naponee	Uplinger Canal		.75	11	1	17	Harlan	Nov.	15	1939	—	3019
Republican	R.	Dunn, Hiram J. and Chambers, Laura M.	Inavale	Chambers-Dunn Pump	Irrig.	.36	1	1	16	Franklin	Jan.	19	1940	—	3079
Republican	R.	Kahrs, Charles E. and Lienemann, Elizabeth	Franklin	Kahrs- Lienemann Pump	Irrig.	.78	7	1	15	Franklin	Jan.	22	1940	—	3081
Republican	R.	Martin, Morris G. and Ethel L.	Hastings	Martin Pump	Irrig.	.18	8	1	11	Webster	Mar.	13	1940	—	3116
Republican	R.	Houchin, George	Red Cloud	Houchin Pump	Irrig.	.07	15	1	9	Webster	Apr.	5	1940	—	3131
Republican	R.	Howell, Charles	Bloomington	Howell Pump	Irrig.	.75	10	1	16	Franklin	Apr.	15	1940	—	3134
Republican	R.	Reisher, Noah G.	Benkelman	Reisher Pump	Irrig.	1.21	30	1	38	Dundy	July	29	1940	—	3221
Republican	R.	Meyer, Ernst	Superior	Meyer Pump	Irrig.	.87	34	1	7	Nuckolls	Aug.	26	1940	—	3240
Republican	R.	Amack, Geo.	Red Cloud	Amack Pump	Irrig.	.19	7	1	10	Webster	Aug.	28	1940	—	3244
Republican	R.	Auld, Jessica C.	Palo Alto, Cal.	Auld-Crowell Pump	Irrig.	1.36	5	1	11	Webster	Aug.	31	1940	—	3248
Republican	R.	Stephenson, R. J.	Superior	Stephenson Pump	Irrig.	.59	34	1	7	Nuckolls	Sept.	3	1940	—	3252
Republican	R.	Tietze, Ernest, et al	Hebron	Tietze Pumps	Irrig.	.73	28 29	4	24	Furnas	Oct.	16	1940	—	3298
Republican	R.	Bach, W. J.	Riverton	Bach Pump No. 1	Irrig.	.47	3	1	14	Franklin	Jan.	22	1941	—	3375
Republican	R.	Bach, Mrs. Theo.	Riverton	Theo. Bach Pump No. 1	Irrig.	.90	3	1	14	Franklin	Feb.	6	1941	—	3384
Republican	R.	Lang, Alfred E.	Indianola	Riverside Pump Ext.	Irrig.	.87	14	3	27	Red Willow	Feb.	24	1941	—	3401
Republican	R.	Smith, Dan	Edison	Smith Pump	Irrig.	.84	35	4	22	Furnas	May	2	1941	—	3438
Republican	R.	Stephenson, R. J.	Superior	Stephenson Pump	Irrig.	.03	31	1	6	Nuckolls	May	9	1941	—	3443
Republican	R.	Keifer, Oswin	Bostwick	Keifer Canal No. 1 Extension	Irrig.	2.08	21	1	8	Nuckolls	Jan.	27	1942	—	3547

*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Republican R.	Arneson, F. L.	Inavale	Valley Grove Canal	Irrig.		5	1	12	Webster	Mar.	11	1942	—	3558
Republican R., Ravine Trib. to	Lueking, H. L.	Edison	Lueking Reservoir	Irrig.	†234AF	3	3	22	Furnas	Feb.	28	1940	—	3098
Republican R., Ravine Trib. to	Paine, Clyde S.	Edison	Paine Reservoir	Irrig.	†420AF	21	4	22	Furnas	Apr.	18	1940	—	3138
(Paine Res.)	Paine, Clyde S.	Edison	Paine Canal	Irrig.		21	4	22	Furnas	Apr.	18	1940	—	3478
Republican R., Ravine Trib. to	Crow, Clark	Oxford	Crow Reservoir	Irrig.	†99AF	19	3	20	Harlan	Nov.	20	1940	—	3333
(Crow Res.)	Crow, Clark	Oxford	Crow Res. Canal	Irrig.		19	3	20	Harlan	Nov.	20	1940	—	3548
Republican R., Ravine Trib. to	Broeker, A. F.	Edison	Broeker Reservoir	Irrig.	†122AF	4	3	22	Furnas	Dec.	10	1940	—	3349
(Broeker Res.)	Broeker, A. F.	Edison	Broeker Res. Canal	Irrig.		4	3	22	Furnas	Dec.	10	1940	—	3535
Republican R., South Fork	Karr, J. W.	Benkelman	Karr Canal	Irrig.	2.00	20	1	37	Dundy	July	28	1894	155	—
Republican R., South Fork	Riverside Ditch Co.	Benkelman	Riverside Canal	Irrig.	13.00	29	1	37	Dundy	Aug.	5	1894	156	—
Republican R., South Fork	McDonald, J. A.	Benkelman	McDonald Canal	Irrig.	.79	36	1	38	Dundy	Nov.	13	1901	—	644
Rock Creek	Anderson, Hugh L.	Benkelman	Phelan Canal	Irrig.	4.29	17	1	39	Dundy	Dec.	31	1883	138	—
Rock Creek	Owens, J. S., et al	Parks	Owens Canal	Irrig.	.36	31	2	39	Dundy	June	20	1895	—	265
Rock Creek	Campbell, R. R.	Parks	Rock Creek Canal	Irrig.	.33	13	2	40	Dundy	Dec.	18	1899	—	526
Rock Creek	Benkelman Light Association	Benkelman	Benkelman Power Plant	Power	20.00	8	1	39	Dundy	Nov.	30	1912	—	1245
Rock Creek	Pringle, Geo. N.	Parks	Parks Canal Ext.	Supple.		17	1	39	Dundy	June	29	1921	—	1609
Rock Creek	Anderson, Hugh L.	Benkelman	Kara Lake Reservoir	Irrig.	†50AF	17	1	39	Dundy	Oct.	31	1931	—	2246
(Kara Lake Reservoir)	Anderson, Hugh L.	Benkelman	Kara Supply Canal	Irrig.		20	1	39	Dundy	Oct.	31	1931	—	2480

Rock Creek	Game, Forestation & Parks Commission	Lincoln	Rock Creek Lake	Fish	†215AF	6	1	39	Dundy	Feb.	28	1934	—	2366
Rock Canyon Creek	Stonberg, Sanford	Max	Stonberg Canal	Irrig.	1.00	2	2	37	Dundy	Mar.	13	1911	—	1070
Rock Canyon Creek	Rudisell, L. C.	Benkelman	Rudisell Dam	Fish	†5AF	35	3	37	Dundy	Nov.	26	1927	—	1970
Rope Creek	Bortfeld, Fred E.	Orleans	Bortfeld Pump	Irrig.	.32	25	2	19	Harlan	Dec.	19	1940	—	3357
Sacramento Cr.	Davidson, Martin E.	Holdrege	Davidson Pump	Irrig.	.50	12	5	18	Phelps	June	12	1937	—	2753
Sappa Creek	Zulauf, Geo. W.	Stamford	Stamford Mill	Power		21	2	20	Harlan				997*	—
Sappa Creek	Flodine, A. L.	Stamford	Flodine Pump	Irrig.	1.55	13	2	20	Harlan	Sept.	9	1926	—	1855
Sappa Creek	Fults, J. F.	Beaver City	Fults Pump	Irrig.	1.43	13	1	23	Furnas	Apr.	6	1927	—	1922
Sappa Creek	Winslow, Mrs. Orin E.	Beaver City	Winslow Pump	Irrig.	.86	15	1	22	Furnas	Feb.	10	1932	—	2252
Sappa Creek	Johnson, Edw. E.	Franklin	Sappa Valley Pump	Irrig.	1.00	24	2	20	Harlan	May	23	1934	—	2385
Sappa Creek (See Beaver Cr.)	Beaver-Sappa Public Power and Irrig. District	Cambridge	South Sappa Canal	Irrig.		18	1	22	Furnas	Dec.	14	1936	—	2671b*
			North Sappa Canal	Irrig.		18	1	22	Furnas					
Sappa Creek (See Beaver Cr.)	Beaver-Sappa Public Power and Irrig. District	Cambridge	Spring Green Lake Reservoir	I. & P.		19	1	22	Furnas	Dec.	14	1936	—	2672b*
Sappa Creek	Caffrey, E. F.	Omaha	Caffrey Pump	Irrig.	.76	22	2	20	Harlan	Aug.	1	1939	—	2945
Sappa Creek	Lubeck, John C.	Stamford	Lubeck Pump	Irrig.	.46	23	2	20	Harlan	Aug.	14	1939	—	2951
Sappa Creek	Collins, Horace	Beaver City	Collins Pump	Irrig.	.25	30	1	23	Furnas	Feb.	17	1940	—	3091
Sappa Creek	Gerd, Albin, Estate	Stamford	Gerd Pump	Irrig.	.13	35	2	21	Furnas	Feb.	26	1940	—	3095
Sappa Creek	Brown, Floyd T.	Stamford	Brown Pump	Irrig.	.35	9	1	21	Furnas	Mar.	6	1940	—	3109
Sappa Creek	Smith, Otto	Stamford	Smith Pump	Irrig.	.60	19	2	20	Harlan	May	4	1940	—	3148
Sappa Creek	Burt, Maude T.	Stamford	Burt Pump	Irrig.	1.22	34	2	21	Furnas	Sept.	21	1940	—	3271
Sappa Creek	Blickenstaff, Bert D.	Stamford	Blickenstaff Pump	Irrig.	1.03	21	2	20	Harlan	Nov.	5	1940	—	3324
Sappa Creek	Lane Estate	Alma	Lane Pump	Irrig.	.58	25	2	21	Furnas	Feb.	10	1942	—	3550
Sappa Creek	McCarty, J. A.	Beaver City	McCarty Pump	Irrig.	.28	10	1	22	Furnas	May	4	1942	—	3564

†Reservoir capacity alleged by applicant.
*Application pending, or claim not adjudicated.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Sappa Creek, Ravine Tributary to	Gerd, Clarence	Stamford	Gerd Reservoir	Irrig.	†54AF	34	2	21	Furnas	Feb.	29	1940	—	3099
(Gerd Res.)	Gerd, Clarence	Stamford	Gerd Canal	Irrig.		34	2	21	Furnas	Feb.	29	1940	—	3485
Sappa Creek, Ravine Tributary to	Brown, Floyd T.	Stamford	Brown Reservoir	Irrig.	†46AF	4	1	21	Furnas	Apr.	29	1941	—	3433
(Brown Res.)	Brown, Floyd T.	Stamford	Brown Res. Canal	Irrig.		4	1	21	Furnas	Apr.	29	1941	—	3434
Sappa Creek, Ravine Tributary to	Feese, Edna	Hastings	Feese Reservoir	Irrig.	†17AF	30	2	20	Harlan	Sept.	9	1941	—	3497
(Feese Res.)	Feese, Edna	Hastings	Feese Res. Canal	Irrig.		30	2	20	Harlan	Sept.	9	1941	—	3498*
School Creek (See Berger Cr.)	Sughroue, Edward	Indianola	Sughroue Pump	Irrig.	.32	15	3	27	Red Willow	Aug.	16	1932	—	2280
#Spring Creek	Carlon, J. C.	Benkelman	Benkelman Canal	Irrig.	1.29	19	1	37	Dundy	Dec.	31	1896	—	373
Spring Creek	Twin Lakes Co.	Benkelman	Twin Lakes Res.	Resort	†7AF	34	2	38	Dundy	Apr.	16	1930	—	2133
Spring Creek	Sindt, Henry	Naponee	Sindt Pump	Irrig.	1.00	17	2	16	Franklin	July	30	1926	—	1838
Spring Creek	Sindt, Emil	Naponee	Spring Creek Canal	Irrig.	.27	17	2	16	Franklin	Jan.	14	1939	—	2906
Stinking Water Creek	Kilpatrick Brothers	Beatrice	Chase County Land and Live Stock Canal	Irrig.	2.86	10	7	38	Chase	Mar.	10	1894	57	—
Stinking Water Creek	Crandall and Taylor	Imperial	McLain Canal	Irrig.	2.50	28	7	37	Chase	Sept.	24	1894	65	—
Stinking Water Creek	Kilpatrick Brothers	Beatrice	Chase County Land and Live Stock Canal No. 7	Irrig.	4.57	36	7	37	Chase	Dec.	21	1894	72 175	— —

Stinking Water Creek	Kilpatrick Brothers	Beatrice	Chase County Land and Live Stock Canal No. 6	Irrig.	2.00	13	7	38	Chase	Jan.	28	1895	76	—
Stinking Water Creek	Kilpatrick Brothers	Beatrice	Chase County Land and Live Stock Canal No. 5	Irrig.	1.50	14	7	38	Chase	Jan.	29	1895	77	—
Stinking Water Creek	Kilpatrick Brothers	Beatrice	Chase County Land and Live Stock Canal No. 3	Irrig.	1.71	14	7	38	Chase	Jan.	29	1895	78	—
Stinking Water Creek	Kilpatrick Brothers	Beatrice	Chase County Land and Live Stock Canal No. 4	Irrig.	.91	14	7	38	Chase	June	27	1895	—	56
Stinking Water Creek	Kilpatrick Brothers	Beatrice	Chase County Land and Live Stock Canal No. 1	Irrig.	.70	4	7	38	Chase	June	27	1895	—	57
Stinking Water Creek	Krotter, F. C., Estate	Palisade	Krotter Pump	Irrig.	3.00	25	5	34	Hayes	Dec.	15	1910	—	1046
Stinking Water Creek	Nutzman, O. E.	Palisade	Nutzman Pump	Irrig.	.95	15	5	34	Hayes	Oct.	5	1939	—	2981
Stinking Water Creek	Nutzman, O. E.	Palisade	Nutzman Pump	Irrig.	.36	15	5	34	Hayes	Apr.	15	1940	—	3136
Thompson Cr.	Ziegler, J. and O.	Riverton	Ziegler Pump	Irrig.	.73	27	2	13	Franklin	Jan.	16	1935	—	2505
Thompson Cr.	Eshelman, C. F.	Riverton	Eshelman Pump	Irrig.	.06	10	2	13	Franklin	June	6	1935	—	2550
Thompson Cr., North Springs, Tributary to	Eshelman, C. F.	Riverton	North Spring Canal	Irrig.	.09	10	2	13	Franklin	July	27	1932	—	2278
#Turkey Creek	Leising, Carl	Oxford	Carpenter Canal	Irrig.	.71	30	4	21	Furnas	Sept.	18	1926	—	1861
Turkey Creek	Watson, John W. E., Estate	Oxford	Watson Pump	Irrig.	2.80	31	4	21	Furnas	Nov.	30	1926	—	1876

†Reservoir capacity alleged by applicant.
*Application pending.
Spring Creek in Dundy County and Spring Creek in Franklin County are separate streams.
Turkey Creek in Furnas County and Turkey Creek in Franklin County are separate streams.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-B—Concluded

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Turkey Creek	The Imperial Council of the Ancient Arabic Order of the Nobles of the Mystic Shrine for North America	Kansas City, Missouri	Johnson Pump	Irrig.	1.18	5	3	21	Furnas	May	30	1927	—	1934
Turkey Creek	Wengert, J. H.	Oxford	Wengert Pump	Irrig.	.94	4	3	21	Furnas	July	9	1927	—	1938
Turkey Creek	Blincow, Fred H.	Oxford	Blincow Pump	Irrig.	.92	3	3	21	Furnas	Sept.	22	1941	—	3510
Turkey Creek	Wilt and Polly	Naponee	Wilt and Polly Canal	Power		4	1	16	Franklin	Dec.	31	1874	183*	—
Turkey Creek	Post, Walter A.	Naponee	Post Pump	Irrig.	1.90	8	1	16	Franklin	May	27	1927	—	1933
Turkey Creek	Post, Walter A.	Naponee	Post Pump	Irrig.	.79	8	1	16	Franklin	Aug.	21	1936	—	2621
Turkey Creek	Larick, Frank I.	Franklin	Post Pump	Irrig.	1.11	8	1	16	Franklin	Aug.	21	1936	—	2622
Turkey Creek	Sindt, Karl	Naponee	Karl Sindt Pump No. 1	Irrig.	.26	15	2	16	Franklin	Dec.	20	1939	—	3063
Turkey Creek	Ray, Staque	Naponee	Ray Pump	Irrig.	.33	4	1	16	Franklin	July	25	1940	—	3216
Valley Home Cr.	Lunt, W. A.	Superior	Lunt Reservoir	Irrig.	†100AF	28	1	6	Nuckolls	Nov.	19	1930	—	2176
(Lunt Res.)	Lunt, W. A.	Superior	Lunt Reservoir Canal	Irrig.		28	1	6	Nuckolls	Nov.	19	1930	—	2201
Vining Creek	Betts, Mrs. N. O.	Bloomington	James Canal	Irrig.	.21	28	2	15	Franklin	Feb.	28	1935	—	2521
Vining Creek	Betts, Mrs. N. O.	Bloomington	James Reservoir	Irrig.	†22AF	28	2	15	Franklin	Sept.	28	1935	—	2559
(James Res.)	Betts, Mrs. N. O.	Bloomington	James Canal	Irrig.		28	2	15	Franklin	Sept.	28	1935	—	2719
(James Res.)	Betts, Mrs. M. E.	Bloomington	James Canal Extension	Irrig.		28	2	15	Franklin	Oct.	31	1940	—	3318
Wasp Creek	Osterbuhr, E. O.	Franklin	Osterbuhr Canal	Irrig.	.18	28	2	14	Franklin	June	28	1940	—	3192

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-C

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Babcock Creek	United States of America	Washington, D. C.	Rural Rehabilitation Project No. 1	Irrig.	.34	25	2	2E	Jefferson	Aug.	18	1934	—	2466
Blue River, Lit.	Consumers Public Power District	Columbus	Oak Mill Race	Power		16	3	5	Nuckolls				991*	—
Blue River, Lit.	Game, Forestation & Parks Commission	Lincoln	Crystal Lake	Ice	†32AF	27	6	10	Adams	Aug.	17	1912	—	1219
(Crystal Lake Reservoir)	Game, Forestation & Parks Commission, et al	Lincoln	Crystal Lake	Irrig.		27	6	10	Adams	Aug.	17	1912	—	1526
Blue River, Lit.	Lyon, Geo., Jr.	Nelson	Lyon Power Plant	Power	150.00	29	4	6	Nuckolls	Apr.	26	1915	—	1410
Blue River, Lit.	Lyon, Geo., Jr.	Nelson	Lyon Canal	Irrig.	4.00	18	4	6	Nuckolls	Apr.	26	1915	—	1411
Blue River, Lit.	Consumers Public Power District	Columbus	Meyer Power Plant	Power	150.00	16	3	5	Nuckolls	July	27	1916	—	1467
Blue River, Lit.	Bozarth-Carter	Hebron	Hebron Power Plant	Power	216.00	9	2	2	Thayer	Mar.	31	1913	—	1538
Blue River, Lit.	Campbell, J. T.	Hebron	Blue Valley Plant	Power	200.00	3	2	1	Thayer	May	28	1919	—	1542
Blue River, Lit.	Game, Forestation & Parks Commission	Lincoln	Larkins Canal	Power	1.50	27	6	10	Adams	Nov.	29	1920	—	1594
Blue River, Lit.	Hurlburt, Chas. M.	Fairbury	Hurlburt Canal	Irrig.	.20	22	2	2E	Jefferson	Aug.	7	1922	—	1685
Blue River, Lit.	Dunn, H. J.	Hastings	Blue Valley Yacht Club	Resort		10	5	9	Adams	May	23	1924	—	1745
Blue River, Lit.	Steele, R. B.	Fairbury	Steele Sand and Mining Project	Mfg.		22	2	2E	Jefferson	Aug.	16	1926	—	1847*
Blue River, Lit.	Kistler, Geo. S.	Roseland	Kistler Pump	Irrig.	.08	9	5	11	Adams	Nov.	1	1926	—	1869
Blue River, Lit.	Vap, Alois	Ludell, Kan.	Vap Pump	Irrig.	.81	31	5	7	Clay	Dec.	8	1926	—	1878
Blue River, Lit.	Gaudreault, I. S.	Hastings	Gaudreault Pump	Irrig.	.39	26	6	10	Adams	Feb.	22	1927	—	1903
Blue River, Lit.	Anderson, Felix G.	Ayr	Pratt Pump	Irrig.	1.01	28	6	10	Adams	Feb.	23	1927	—	1904
Blue River, Lit.	Hubbell, C. J.	Deweese	Logan Canal	Irrig.	1.88	33	5	7	Clay	Mar.	7	1927	—	1907

†Reservoir capacity alleged by applicant.
*Claim not adjudicated, or application pending.
Turkey Creek in Furnas County and Turkey Creek in Frontier County are separate streams.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-C—Concluded

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Blue River, Lit...	Bexten, A. Louis	Pauline	Knopf Pumps	Irrig.	1.60	25	6	10	Adams	Mar.	8	1927	----	1908
						31	6	9						
Blue River, Lit...	Land Investments, Inc.	Hastings	Graham Pump	Irrig.	.80	13	5	11	Adams	Mar.	8	1927	----	1909
Blue River, Lit...	City of Fairbury	Fairbury	Fairbury Plant	Mfg.	16.70	15	2	2E	Jefferson	Oct.	22	1927	----	1963
Blue River, Lit...	Hornberger, Thos.	Ayr	Hornberger Pump	Irrig.	2.19	14	5	11	Adams	Jan.	24	1928	----	1978
Blue River, Lit...	Bergt, Theodore	Davenport	Bergt Pump	Irrig.	1.50	22	3	4	Thayer	Apr.	17	1930	----	2134
Blue River, Lit...	Dutton, K. M. J. Est., Schardt, Harry G.	Oak Park, Ill. Hebron	Blue Haven Pumps	Irrig.	5.24	29	3	3	Thayer	Aug.	4	1930	----	2152
						30	3	3						
Blue River, Lit...	Jones, E. H.	Fairbury	Midwest Garden Pump	Irrig.	1.74	26	2	2E	Jefferson	Sept.	4	1930	----	2165
Blue River, Lit...	Heinrich, C. W.	Davenport	Riverside Pump	Irrig.	2.23	20	3	4	Thayer	Feb.	24	1931	----	2193
Blue River, Lit...	Nehrig, Henry H.	Davenport	Nehrig Pump	Irrig.	5.00	26	3	4	Thayer	Mar.	10	1931	----	2194
Blue River, Lit...	Sanford, Harry K.	Ayr	Sanford Pump	Irrig.	.28	4	5	10	Adams	Sept.	22	1931	----	2238
Blue River, Lit...	Heiler, H. H.	Hastings	Heiler Pump	Irrig.	.46	27	6	10	Adams	Sept.	30	1931	----	2241
Blue River, Lit...	Weyenberg, John T.	Hastings	Weyenberg Pump	Irrig.	1.20	17	5	8	Clay	Oct.	8	1931	----	2243
Blue River, Lit...	Zweifel, Albert	Fairbury	Zweifel Pump	Irrig.	.25	9	2	2E	Jefferson	July	25	1932	----	2277
Blue River, Lit...	Paus, Geo. H.	Fairfield	Paus Pump	Irrig.	.22	16	5	8	Clay	May	15	1933	----	2321
Blue River, Lit...	Peters, Cornelius R., Estate	Angus	Peters Pump	Irrig.	.71	27	4	6	Nuckolls	May	31	1934	----	2389
Blue River, Lit...	Meyer, John H.	Oak	Meyer Pump	Irrig.	1.31	1	3	6	Nuckolls	June	2	1934	----	2394
Blue River, Lit...	Davis, John H.	Fairfield	Davis Pump	Irrig.	.66	15	5	8	Clay	June	5	1934	----	2399
Blue River, Lit...	Stokebrand, Wm.	De Witt	Stokebrand Pump	Irrig.	.84	5	2	1	Thayer	Aug.	1	1934	----	2451
Blue River, Lit...	Johnston, Mrs. Hester	Oak	Johnston Pump	Irrig.	1.14	8	3	5	Nuckolls	Aug.	13	1934	----	2460
Blue River, Lit...	Kasparek, I.	Fairbury	Kasparek Pump	Irrig.	.54	6	1	3E	Jefferson	Nov.	3	1934	----	2491
Blue River, Lit...	Rice, Clarence E.	Odell	Endicott Pump	Irrig.	.46	36	2	2E	Jefferson	Feb.	1	1935	----	2511
Blue River, Lit...	Rice, C. E.	Odell	Powell Pump	Irrig.	.54	24	3	1E	Jefferson	Feb.	20	1935	----	2517
Blue River, Lit...	Lindgren, T. J., and Bartlett, Clyde F.	Edgar	Lindgren-Bartlett Pumps	Irrig.	.21	19	4	6	Nuckolls	Aug.	7	1935	----	2553
Blue River, Lit...	Corliss, Albert N.	Hebron	Corliss Pump	Irrig.	.93	9	2	2	Thayer	Jan.	25	1937	----	2682
Blue River, Lit...	Hubbell, C. J.	Deweese	Hubbell Pump No. 1	Irrig.	.04	32	5	7	Clay	Jan.	30	1937	----	2689

Blue River, Lit..	Hill, James R.	Deweese	Hill Pump	Irrig.	.33	32	5	7	Clay	Mar.	26	1937		2723
Blue River, Lit..	Hubbell, C. J.	Deweese	Hubbell Pump No. 2	Irrig.	.51	32	6	9	Adams	May	28	1937		2749
Blue River, Lit..	McKenzie, F. W.	Hebron	McKenzie Pump	Irrig.	.30	36	3	3	Thayer	Nov.	2	1937		2799
Blue River, Lit..	Rice, Clarence E.	Odell	Powell Reservoir	Irrig.	†74AF	24	3	1E	Jefferson	May	10	1940		3153
(Powell Res.)	Rice, Clarence E.	Odell	Powell Res. Canal	Irrig.		25	3	1E	Jefferson	May	10	1940		3154
Blue River, Lit..	Goble, Jay	Ayr	Goble Pump	Irrig.	.20	26	6	10	Adams	July	16	1940		3203
Blue River, Lit..	Lehman, Clyde W.	Rushville	Lehman Pump	Irrig.	.29	18	4	6	Nuckolls	Aug.	31	1940		3247
Blue River, Lit..	Cassell, Mrs. Guy B.	Steele City	Cassell Pump	Irrig.	.14	13	1	3E	Jefferson	Apr.	16	1941		3428
Blue River, Lit..	Scroggin, John L., et al	Oak	Scroggin Pump	Irrig.	.40	15	3	5	Nuckolls	Oct.	22	1941		3522
Blue River, Lit..	Scroggin, John L., et al	Oak	Scroggin Pump No. 2	Irrig.	2.14	7	3	5	Nuckolls	Oct.	27	1941		3524
Blue River, Lit..	Hill, Ralph W.	Hebron	Hill Pump	Irrig.		36	3	3	Thayer	May	15	1942		3567
Blue River, Lit..	Scroggin, John L., et al	Oak	Scroggin Pump No. 3	Irrig.		17	3	5	Nuckolls	Sept.	1	1942		3585
Cub Creek	Keuten, Diedrich	Jansen	Keuten Pump	Irrig.	.20	8	3	4E	Jefferson	Nov.	4	1940		3322
Ground Water	Nisely, Jerome C.	Edgar	Nisely Well System	Irrig.		21	5	5	Clay	May	19	1942		3569*
Liberty Creek	Hubbell, C. J.	Deweese	Hubbell Pump	Irrig.	.07	32	5	7	Clay	Jan.	30	1937		2690
Pawnee Creek	Massie, D. B.	Clay Center	Massie Lake	Resort	†65AF	16	5	8	Clay	Mar.	10	1933		2307
Rose Creek	Wilson, Clyde	Fairbury	Wilson Pump	Irrig.	1.01	3	1	2E	Jefferson	July	14	1934		2425
Rose Creek	Rice, Clarence E.	Odell	Rice Pump No. 3	Irrig.	1.00	7	1	3E	Jefferson	May	10	1940		3152
Rose Creek	Lamb, Bryan G.	Hubbell	Lamb Reservoir	Irrig.	†8AF	29	1	1	Thayer	May	15	1942		3568
Sandy Cr., Big	Brinegar, M. A.	Alexandria	Brinegar Pump	Irrig.	.43	6	3	1	Thayer	Apr.	11	1935		2537
Sandy Cr., Big, Springs Tributary to	Game, Forestation & Parks Commission	Lincoln	Jefferson County Recreation Grounds	Resort	†300AF	16	3	1E	Jefferson	June	14	1940		3179
Spring Branch	Brown, Vinton F., et al	Hubbell	Brown Pump	Irrig.	.33	16	1	1	Thayer	Oct.	14	1938		2892
						17	1	1						
Spring Creek	Alexander, Roy	Deshler	Alexander Pump	Irrig.	.51	17	2	3	Thayer	Apr.	9	1941		3426

†Reservoir capacity alleged by applicant.
*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-D

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Bear Creek	Mangus, Jerry T.	Beatrice	Mangus Pump	Irrig.	.50	24	4	6E	Gage	Jan.	24	1927	—	1887
Bear Creek	State Board of Control	Lincoln	Feeble Minded Institution Pumps	Irrig.	.95	36	4	6E	Gage	Apr.	22	1928	—	2010
Beaver Creek	Wright, G. D.	York	Wright Mill	Power	40.00	7	10	2	York	Nov.	1	1878	963	—
Beaver Creek	Gould, W. E.	York	Gould Pumps	Irrig.	.18	1	10	3	York	Sept.	19	1939	—	2965
						2	10	3						
Beaver Creek	Kirkpatrick, W. L.	York	Kirkpatrick Pump	Irrig.	.34	8	10	2	York	Dec.	6	1939	—	3036
Beaver Creek	Axtell, J. Earl	York	Axtell Pump	Irrig.	.54	9	10	3	York	Sept.	8	1941	—	3495
Blue River, Big.	Black Brothers Flour Mills	Beatrice	Black Brothers Plant (Beatrice)	Power	300.00	33	4	6E	Gage	Jan.	11	1860	1048	—
Blue River, Big.	Consumers Public Power District	Columbus	Milford Mills	Power	300.00	2	9	3E	Seward			1866	1044	—
Blue River, Big.	Consumers Public Power District	Columbus	Black Brothers	Power	450.00	17	2	7E	Gage			1868	1047	—
Blue River, Big.	Consumers Public Power District	Columbus	Power Plant No. 2	Dredge D-1047		17	2	7E	Gage	Nov.	7	1922	—	1692
Blue River, Big.	Consumers Public Power District	Columbus	Power Plant No. 2	Dredge D-1047		17	2	7E	Gage	Dec.	15	1922	—	1698
Blue River, Big.	Zwonecheck and Aksamit	Wilber	De Witt Mill	Power	200.00	19	5	5E	Gage	Jan.	1	1875	1046	—
				Rs. dam		19	5	5E	Gage	Jan.	1	1903	1046	—
Blue River, Big.	Consumers Public Power District	Columbus	Holmesville Plant	Power	500.00	29	3	7E	Gage	Apr.		1882	1021	—
Blue River, Big.	Consumers Public Power District	Columbus	Holmesville Plant	Rs. dam D-1021		29	3	7E	Gage	May	3	1911	—	1095
Blue River, Big.	Consumers Public Power District	Columbus	Plant No. 1	Power	200.00	19	9	4E	Seward	July	8	1910	—	1006
Blue River, Big.	Jacobs, E.	Staplehurst	Jacobs Plant	Power	40.00	26	12	2E	Seward	Nov.	13	1911	—	1135
Blue River, Big.	Blue Valley Elec. Co.	Odell	Barneston Plant	Power	500.00	13	1	7E	Gage	Feb.	18	1913	—	1262

Blue River, Big..	Blue Valley Elec. Co....	Odell.....	Barneston Plant.....	Rs. dam A-1262		13	1	7E	Gage.....	May	27	1920	—	1585
Blue River, Big..	Blue Valley Elec. Co....	Odell.....	Barneston Plant.....	Dredge A-1262		13	1	7E	Gage.....	Dec.	17	1925	—	1788
Blue River, Big..	Mares, Frank.....	Wilber.....	Mares Canal.....	Irrig.....	2.28	2	6	4E	Saline.....	Aug.	12	1913	—	1314
Blue River, Big..	C. B. & Q. R. R. Co....	Lincoln.....	C. B. & Q. Pipe Line....	Dom.....	.50	2	9	3E	Seward.....	Apr.	30	1914	—	1366
Blue River, Big..	C. B. & Q. R. R. Co....	Lincoln.....	Wymore Pipe Line.....	Dom.....	.50	21	2	7E	Gage.....	Dec.	24	1914	—	1394
Blue River, Big..	C. B. & Q. R. R. Co....	Lincoln.....	Seward Pipe Line.....	Dom.....	.50	21	11	3E	Seward.....	Dec.	24	1914	—	1395
Blue River, Big..	Consumers Public Power District	Columbus.....	Plant No. 4.....	Power.....	100.00	32	9	4E	Seward.....	Aug.	14	1916	—	1463
Blue River, Big..	Consumers Public Power District	Columbus.....	Shestak Plant.....	Power.....	200.00	35	7	4E	Saline.....	Feb.	6	1918	—	1506
Blue River, Big..	Consumers Public Power District	Columbus.....	Shestak Plant.....	Dredge A-1506		35	7	4E	Saline.....	Mar.	30	1925	—	1761
Blue River, Big..	Consumers Public Power District	Columbus.....	Plant No. 3.....	Power.....	400.00	2	3	6E	Gage.....	Oct.	7	1922	—	1690
Blue River, Big..	Johnson, Chas. S. F....	Stromsburg....	Johnson Pump.....	Irrig.....	1.29	8	13	2	Polk.....	Mar.	26	1930	—	2130
Blue River, Big..	Sonderegger Nurseries and Seed House	Beatrice.....	Sonderegger Pump.....	Irrig.....	.43	3	3	6E	Gage.....	Aug.	29	1930	—	2164
Blue River, Big..	Blevins, Mrs. Geo. E....	Shelby.....	Blevins Pump.....	Irrig.....	.57	2	13	1	Polk.....	May	19	1934	—	2384
Blue River, Big..	Cekal, Edward J.....	Beatrice.....	Cekal Pump.....	Irrig.....	.41	24	3	6E	Gage.....	July	24	1934	—	2438
Blue River, Big..	Martz, Jno. E.....	Seward.....	Martz Pump.....	Irrig.....	.64	20	11	3E	Seward.....	July	24	1934	—	2440
Blue River, Big..	Quackenbush, A. E.....	Beatrice.....	Quackenbush Pump.....	Irrig.....	.07	3	3	6E	Gage.....	July	25	1934	—	2441
Blue River, Big..	Olson, Paul A.....	Milford.....	Olson Pump.....	Irrig.....	.64	22	10	3E	Seward.....	Aug.	1	1934	—	2453
Blue River, Big..	Chermak, C. J.....	Seward.....	Chermak Pump.....	Irrig.....	.58	28	11	3E	Seward.....	Sept.	5	1934	—	2470
Blue River, Big..	Jorgenson, L.....	Staplehurst....	Jorgenson Pump No. 1..	Irrig.....	1.59	20	13	2E	Butler.....	Sept.	11	1934	—	2473
Blue River, Big..	Jorgenson, L.....	Staplehurst....	Jorgenson Pump No. 2..	Irrig.....	.74	24	13	1E	Butler.....	Sept	26	1934	—	2479
Blue River, Big..	Karpisek, Frank P.....	Ulysses.....	Karpisek Pump.....	Irrig.....	.61	20	13	2E	Butler.....	Nov.	20	1934	—	2495
Blue River, Big..	Weston, Margaret.....	Beatrice.....	Weston Pump.....	Irrig.....	1.39	11	4	3E	Gage.....	Apr.	18	1935	—	2540
Blue River, Big..	Stokebrand, Edwin.....	De Witt.....	Stokebrand Pump.....	Irrig.....	.22	20	5	5E	Gage.....	Oct.	18	1935	—	2563
Blue River, Big..	Sonderegger Nurseries and Seed House	Beatrice.....	Sonderegger Pump.....	Irrig.....	.50	3	3	6E	Gage.....	Oct.	25	1935	—	2565
Blue River, Big..	Miller, A. W.....	Pickerel.....	Miller Pump.....	Irrig.....	.15	2	4	5E	Gage.....	July	29	1936	—	2601

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-D—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Blue River, Big..	Morrill, Arthur C.	Stromsburg	Morrill Pumps	Irrig.	.42	13	13	3	Polk	Aug.	28	1936	----	2629
						7	13	2						
						17	13	2						
						18	13	2						
Blue River, Big..	Mares, Ed J., et al	Wilber	Mares Pump	Irrig.	.65	14	6	4E	Saline	Sept.	9	1936	----	2636
Blue River, Big..	Sheppard, Daisy E.	Shelby	Sheppard Pump	Irrig.	.53	7	15	1E	Butler	Nov.	19	1936	----	2662
Blue River, Big..	Hronik, James	Wilber	Hronik Pump	Irrig.	.70	35	7	4E	Saline	Dec.	26	1936	----	2677
Blue River, Big..	Buck, C. W.	De Witt	Cloverdale Pump	Irrig.	.49	13	5	4E	Saline	Mar.	27	1937	----	2725
Blue River, Big..	Rathbun, Henry L.	De Witt	Rathbun Pump	Irrig.	1.00	18	5	5E	Gage	Apr.	28	1937	----	2737
Blue River, Big..	Birky, L. W.	Milford	Birky Pump	Irrig.	.34	15	10	3E	Seward	July	7	1937	----	2759
Blue River, Big..	Imig, Edw. P., et al	Seward	Imig Pump No. 2	Irrig.	.53	30	11	3E	Seward	July	27	1937	----	2766
Blue River, Big..	Nelson, Lee M.	Rochester, Minn.	Oak Park Pump	Irrig.	.65	20	11	3E	Seward	Aug.	24	1937	----	2776
Blue River, Big..	Novak, Emma B.	Crete	Novak Pump	Irrig.	.33	10	7	4E	Saline	Sept.	16	1937	----	2788
Blue River, Big..	Gruntorad, Louis E.	Seward	Gruntorad Pump	Irrig.	.97	18	11	3E	Seward	Dec.	20	1937	----	2816
Blue River, Big..	Dunker, J. H. C., Estate	David City	Dunker Pump	Irrig.	.07	14	13	1E	Butler	Jan.	6	1938	----	2822
Blue River, Big..	Anderson, Geo. F.	Stromsburg	Anderson Pump	Irrig.	.99	3	13	2	Polk	Apr.	18	1938	----	2862
Blue River, Big..	Heumann, Henry	Seward	Heumann Pump	Irrig.	.14	34	11	3E	Seward	June	9	1939	----	2928
Blue River, Big..	Sonderegger Nurseries and Seed House	Beatrice	Sonderegger Pump	Irrig.	.20	3	3	6E	Gage	June	23	1939	----	2932
Blue River, Big..	Doehling, G. C.	Cedar Bluffs	Doehling Pump	Irrig.	.21	15	13	1E	Butler	Aug.	18	1939	----	2953
Blue River, Big..	Dunn, Mrs. Alice	De Witt	Dunn Pump	Irrig.	.58	12	5	4E	Saline	Sept.	11	1939	----	2962
Blue River, Big..	Tichy, Robert, Sr.	Wilber	Tichy Pump No. 2	Irrig.	.26	14	6	4E	Saline	Sept.	23	1939	----	2971
Blue River, Big..	Tichy, Robert, Sr.	Wilber	Tichy Pump No. 1	Irrig.	.38	35	6	4E	Saline	Sept.	23	1939	----	2972
Blue River, Big..	Reynolds Charles	Milford	Reynolds Pump	Irrig.	1.34	10	10	3E	Seward	Oct.	18	1939	----	2992
Blue River, Big..	Ramsey, Roland, et al	Seward	Ramsey Pump	Irrig.	.68	28	11	3E	Seward	Oct.	26	1939	----	2999
Blue River, Big..	Keller, William	Crete	Keller Pump	Irrig.	.24	4	8	4E	Saline	Nov.	7	1939	----	3011
Blue River, Big..	Cooper, R. Matilda	Milford	Cooper Pump	Irrig.	.34	13	9	3E	Seward	Nov.	9	1939	----	3014

Blue River, Big.	Atherton, W. Dee	Beatrice	Atherton Pump	Irrig.	.09	7	3	7E	Gage	Apr.	24	1940	—	3142
Blue River, Big.	Kracke, Ben	De Witt	Kracke Pump	Irrig.	.63	20	5	5E	Gage	June	24	1940	—	3188
Blue River, Big.	Quackenbush, Wm.	De Witt	Quackenbush Pump	Irrig.	.76	33	5	5E	Gage	July	22	1940	—	3206
Blue River, Big.	Buss, G. J.	Beatrice	Buss Pump	Irrig.	.24	18	4	6E	Gage	July	22	1940	—	3207
Blue River, Big.	Schuerman, Mary	De Witt	Schuerman Pump	Irrig.	.64	12	5	4E	Saline	July	24	1940	—	3214
Blue River, Big.	Mayland, Mrs. Chas. H.	Staplehurst	Mayland Pump No. 1	Irrig.	.47	26	12	2E	Seward	July	30	1940	—	3222
Blue River, Big.	Janecek, Mrs. Josephine	Wilber	Janecek Pumps	Irrig.	.68	10	6	4E	Saline	Aug.	6	1940	—	3225
						11	6	4E						
Blue River, Big.	Sack, Jacob	Crete	Sack Pump	Irrig.	1.13	9	8	4E	Saline	Aug.	13	1940	—	3230
Blue River, Big.	Weber, Wm.	Beatrice	Weber Pump	Irrig.	.91	13	4	5E	Gage	Aug.	26	1940	—	3241
Blue River, Big.	Roehrkasse, Wm.	Seward	Roehrkasse Pump	Irrig.	.32	28	11	3E	Seward	Aug.	29	1940	—	3245
Blue River, Big.	Coffin, Pearle	Shelby	Coffin Reservoir	Irrig.	†8AF	3	13	1	Polk	Sept.	3	1940	—	3251
Blue River, Big.	Anderson, George F.	Stromsburg	Anderson Reservoir	Irrig.	†13AF	34	14	2	Polk	Jan.	9	1941	—	3365
Blue River, Big.	Cast, Robert	Beaver Crossing	Cast Pump	Irrig.	.39	17	9	2E	Seward	Apr.	30	1941	—	3436
Blue River, Big.	Village of Surprise	Surprise	Surprise Reservoir	Irrig.		15	12	1	Butler	Oct.	13	1941	—	3519*
Blue River, Big.	Strong, M. D.	Stromsburg	Strong Pump	Irrig.		3	13	2	Polk	Apr.	14	1942	—	3562
Blue River, Big, Tributary to	Andrews, W. E.	Beatrice	Andrews Pump	Irrig.	.20	10	3	6E	Gage	Apr.	3	1931	—	2196
Blue River, Big, West Fork	Consumers Public Power District	Columbus	Plant No. 2	Power	100.00	32	9	3E	Seward	Jan.	3	1912	—	1153
Blue River, Big, West Fork	Consumers Public Power District	Columbus	Plant No. 2	Rs. dam A-1153		32	9	3E	Seward	Aug.	21	1918	—	1520
Blue River, Big, West Fork	Consumers Public Power District	Columbus	Plant No. 3	Power	100.00	5	8	4E	Saline	Mar.	13	1913	—	1265
Blue River, Big, West Fork	Consumers Public Power District	Columbus	Plant No. 3	Rs. dam A-1265		5	8	4E	Saline	Aug.	21	1918	—	1521
Blue River, Big, West Fork	Consumers Public Power District	Columbus	Plant No. 3	Rs. dam A-1265		5	8	4E	Saline	Dec.	28	1920	—	1599
Blue River, Big, West Fork, & School Creek	Garbe, Mrs. Albert	Grafton	Blue Park Dam	Power	66.00	1	8	4	Fillmore	Aug.	4	1917	—	1494

†Reservoir capacity alleged by applicant.
*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-D —Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Blue River, Big, West Fork	Consumers Public Power District	Columbus	Bow Span Plant	Power	100.00	26	9	2E	Seward	Dec.	17	1920	—	1595
Blue River, Big, West Fork	Consumers Public Power District	Columbus	Big Bend Plant	Power	100.00	11	8	3E	Saline	Dec.	17	1920	—	1596
Blue River, Big, West Fork	Nelson, Louie E.	Inland	Nelson Pump	Irrig.	.48	27	8	8	Clay	Feb.	11	1927	—	1899
Blue River, Big, West Fork	Warren, Herbert F.	Trumbull	Warren Pump	Irrig.	.16	13	8	9	Adams	Nov.	26	1927	—	1971
Blue River, Big, West Fork	Show, Frank	McCool Junction	Show Pump	Irrig.	.42	18	9	2	York	Oct.	19	1928	—	2048
Blue River, Big, West Fork	Swanson, S. A.	Hastings	Swanson Pump	Irrig.	1.90	4	7	9	Adams	Apr.	4	1929	—	2076
Blue River, Big, West Fork	Muirhead, Wm. C.	Bradshaw	Muirhead Canal	Irrig.	.93	30	9	5	Hamilton	Sept.	13	1929	—	2103
Blue River, Big, West Fork	Show, Frank	McCool Junction	Show Pump	Irrig.	.82	18	9	2	York	Mar.	16	1934	—	2368
Blue River, Big, West Fork	Schmidt, Otto	Fairmont	Schmidt Pump	Irrig.	.43	3	8	3	Fillmore	July	14	1934	—	2426
Blue River, Big, West Fork	Casteel, Lonie E.	Crete	Casteel Pump	Irrig.	1.43	5	8	4E	Saline	July	18	1934	—	2429
Blue River, Big, West Fork	Nave, C. D.	Crete	Nave Pump	Irrig.	.39	5	8	4E	Saline	July	18	1934	—	2430
Blue River, Big, West Fork	Johnson, Arthur F.	Dorchester	Johnson Pump	Irrig.	.37	32	9	3E	Seward	July	23	1934	—	2435
Blue River, Big, West Fork	Mohlman, Elsie	Hastings	Mohlman Pump	Irrig.	.56	25	8	9	Adams	Aug.	9	1934	—	2458
Blue River, Big, West Fork	Rehor, Clara W.	Beaver Crossing	Rehor Pump	Irrig.	.41	3	9	1E	Seward	Apr.	30	1935	—	2543

Blue River, Big, West Fork	Steffegen, Mrs. Marie	Grafton	Budler Pump	Irrig.	.08	8	8	3	Fillmore	June	15	1936	—	2581
Blue River, Big, West Fork	Morford, J. C.	Beaver Crossing	Morford Pump	Irrig.	.29	18	9	2E	Seward	July	21	1936	—	2593
Blue River, Big, West Fork	Gilmore, Oden S.	York	Gilmore Pump	Irrig.	.43	7	9	1	York	July	27	1936	—	2600
Blue River, Big, West Fork	Kaliff, R. L.	York	Kaliff Pumps	Irrig.	1.10	25 36	9 9	3 3	York	Aug.	15	1936	—	2614
Blue River, Big, West Fork	Semler, Emil F.	Dorchester	Semler Pump	Irrig.	.25	32	9	3E	Seward	Aug.	27	1936	—	2626
Blue River, Big, West Fork	Franz, George G.	Henderson	Franz Pump	Irrig.	.12	19	9	4	York	Oct.	24	1936	—	2649
Blue River, Big, West Fork	Sandy, Dorothy E.	Baxter, Iowa	Sandy Pump	Irrig.	.11	15	9	2	York	Nov.	2	1936	—	2650
Blue River, Big, West Fork	City Trust Co.	York	City Trust Co. Pump	Irrig.	.71	19	9	2	York	Feb.	6	1937	—	2695
Blue River, Big, West Fork	Miller, Clifford E.	Omaha	Miller Pump	Irrig.	.97	27	9	4	York	Apr.	17	1937	—	2732
Blue River, Big, West Fork	Miller, Sam	Dorchester	Miller Pump	Irrig.	.35	3	8	3E	Saline	July	6	1937	—	2758
Blue River, Big, West Fork	Gard, Alvin J.	Beaver Crossing	Gard Pump	Irrig.	.86	1	9	1	York	Aug.	19	1937	—	2775
Blue River, Big, West Fork	United Insurance Co.	Lincoln	United Insurance Company Pump	Irrig.	.37	31	10	1E	Seward	Sept.	10	1937	—	2783
Blue River, Big, West Fork	Matzke, Stanley and Simmons, Robt. G.	Seward Lincoln	Simmons-Matzke Pump	Irrig.	.31	16	9	2E	Seward	Sept.	11	1937	—	2784
Blue River, Big, West Fork	Baller, Albert L.	York	Baller Pump	Irrig.	1.04	7	9	1	York	Nov.	1	1938	—	2894
Blue River, Big, West Fork	Miller, Clifford	McCool	Miller Power Plant	Power	28.00	10	9	2	York	Aug.	31	1939	—	2955
Blue River, Big, West Fork	Sack, Dean	York	Sack Pump	Irrig.	.99	9	9	1	York	Nov.	1	1939	—	3003
Blue River, Big, West Fork	Buller, Cornelius P.	Fairmont	Buller Pump	Irrig.	.20	36	9	4	York	Nov.	14	1939	—	3017

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-D—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Blue River, Big, West Fork	Broehl, C. A.	Grafton	Broehl Pump	Irrig.	.29	35	9	4	York	Dec.	23	1939	—	3066
Blue River, Big, West Fork	Novak, Joe H.	Fairmont	Novak Pump	Irrig.	.24	2	8	3	Fillmore	Jan.	24	1940	—	3085
Blue River, Big, West Fork	Bors, Joe, Jr.	McCool Jct.	Bors-McGowan Pump	Irrig.	.84	36	9	3	York	Apr.	12	1940	—	3133
	McGowan, James A.	York												
Blue River, Big, West Fork	Pieper, Adolph	Waco	Pieper Pump	Irrig.	.44	9	9	1	York	May	14	1940	—	3159
Blue River, Big, West Fork	Steenburg, Donald B.	Aurora	Steenburg Pump	Irrig.	.18	26	9	5	Hamilton	July	5	1940	—	3194
Blue River, Big, West Fork	Kubicek, Ralph	Waco	Kubicek Pump	Irrig.	.37	2	9	1	York	July	15	1940	—	3199
Blue River, Big, West Fork	Madison, M.	Goehner	Madison Pump	Irrig.	.31	17	9	2E	Seward	Aug.	7	1940	—	3226
Blue River, Big, West Fork	Cast, Robert	Beaver Crossing	Cast Pump	Irrig.	.38	17	9	2E	Seward	Aug.	23	1940	—	3238
Blue River, Big, West Fork	Farney, Geo. B. and Work, Thos. R.	Aurora	Farney-Work Pump	Irrig.	.10	33	9	6	Hamilton	Aug.	27	1940	—	3242
Blue River, Big, West Fork	Bors, Victor E.	McCool Junction	Bors Pump	Irrig.	.23	36	9	3	York	Sept.	4	1940	—	3254
Blue River, Big, West Fork	Matzke, Stanley and Simmons, Robt. G.	Seward Lincoln	Simmons-Matzke Pump No. 2	Irrig.	.27	16	9	2E	Seward	Sept.	24	1940	—	3273
Blue River, Big, West Fork	Morrison, Anna J.	York	Morrison Pump	Irrig.	.15	35	9	3	York	Sept.	28	1940	—	3277
Blue River, Big, West Fork	O'Connor, P. J., et al	Fairmont	O'Connor Pump	Irrig.	.10	8	8	3	Fillmore	Oct.	19	1940	—	3300
Blue River, Big, West Fork	Flick, Margaret B.	Beverly Hills, Calif.	Flick Pump	Irrig.	.66	9	8	3	Fillmore	Apr.	21	1941	—	3432

Blue River, Big, West Fork	Cast, Robert	Beaver Crossing	Cast Pump	Irrig.	.39	17	9	2E	Seward	Apr.	30	1941	—	3436
Blue River, Big, West Fork	Gocke, H. F.	Waco	Gocke Pump	Irrig.	.59	3	9	1	York	Aug.	9	1941	—	3484
Blue River, Big, West Fork, Trib. to	Eckert, Edward H.	Crete	Eckert Pump	Irrig.	.16	10	8	3E	Saline	Sept.	25	1939	—	2975
Blue River, Big, South Fork	Smith, Richard A. and May Arminda	Geneva	Smith-Carter Pump	Irrig.	.08	1	8	4	Fillmore	Oct.	11	1941	—	3518
Ground Water	Holm, Chris	Hampton	Holm Well	Irrig.		4	10	5	Hamilton	Dec.	3	1940	—	3340
Indian Cr., Big (See Spring Branch)	Fink, Alvin M.	Wymore	Fink Pump	Irrig.	.10	25	2	6E	Gage	Feb.	25	1935	—	2518
Lincoln Creek	Thorp and Harris	Thayer	Thayer Mills	Power		25	12	2	York				1053*	—
Lincoln Creek	Ritterbush, Fred	Seward	Ritterbush Pumps No. 1 and No. 2	Irrig.	.67	33 4	12 11	2E 2E	Seward	Nov.	22	1934	—	2496
Lincoln Creek	Daehling, Ernest	Staplehurst	Ritterbush Pump	Irrig.	.36	33	12	2E	Seward	July	22	1937	—	2764
Lincoln Creek	Imig, Edw, P., et al	Seward	Imig Pump No. 1	Irrig.	.31	20	11	3E	Seward	July	27	1937	—	2765
Lincoln Creek	Nelson, Lee M.	Rochester, Minn.	Nelson Pumps	Irrig.	.34 .32	13 24	11 11	2E 2E	Seward	Aug.	18	1937	—	2773
Lincoln Creek	Curry, J. F.	Seward	Curry Pump	Irrig.	.94	19	11	3E	Seward	Apr.	12	1938	—	2861
Lincoln Creek	Kruse, Herman F. and Henry H.	Seward	Kruse Pump	Irrig.	.81	19	11	3E	Seward	Sept.	12	1938	—	2883
Lincoln Creek	Lindstrom, Annie B., et al	Waco	Lindstrom Pump	Irrig.	.36	21	12	1	York	Nov.	8	1939	—	3013
Lincoln Creek	Zieme, Wm.	Utica	Zieme Pump	Irrig.	.26	31	12	1E	Seward	Dec.	1	1939	—	3034
Lincoln Creek	Jones, Mrs. Dorothy	Seward	Jones Pump	Irrig.	.28	13	11	2E	Seward	Dec.	11	1939	—	3045
Lincoln Creek	Schneebeck, Mrs. Sophia	Seward	Schneebeck Pump	Irrig.	.46	24	11	2E	Seward	Dec.	18	1939	—	3056

*Claim not adjudicated.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-D—Concluded

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Lincoln Creek	Curry, J. F.	Seward	Curry Pump	Irrig.	1.15	19	11	3E	Seward	Feb.	28	1940	—	3097
Lincoln Creek	Mayland, Mrs. Chas. H.	Staplehurst	Mayland Pump No. 2	Irrig.	.36	11	11	2E	Seward	July	30	1940	—	3223
Lincoln Creek	Parker, Cora Belle	Utica	Parker-Talbert Pump	Irrig.	.35	34	12	2	York	Sept.	16	1940	—	3266
Lincoln Creek	Steenburg, Donald B.	Aurora	Steenburg Pumps	Irrig.	.34	2	10	6	Hamilton	Sept.	27	1940	—	3276
						3	10	6						
Lincoln Creek	Grosshans, Andrew	York	Grosshans Pump	Irrig.	.28	14	11	3	York	Oct.	21	1940	—	3303
Lincoln Creek	Schneebeck, Mrs. Sophia	Seward	Schneebeck Pump	Irrig.	.37	24	11	2E	Seward	Oct.	21	1940	—	3304
Lincoln Creek	Hurlbut, M. A.	York	Hurlbut Pump	Irrig.	.56	19	11	2	York	Aug.	5	1941	—	3481
School Creek	Trautman, Henry et al	Sutton	Trautman Pump	Irrig.	.16	17	8	4	Fillmore	Apr.	19	1940	—	3141
School Creek	Fitzgerald, Tom	Grafton	Fitzgerald Pump	Irrig.		20	8	4	Fillmore	June	3	1942	—	3572
Spring Branch (See Indian Cr.)	Fink, Alvin M.	Wymore	Fink Pump	Irrig.	.07	25	2	6E	Gage	Feb.	23	1935	—	2518
Swan Creek	Schmidtt, Frederick	De Witt	Smith Pump	Irrig.	.03	19	5	4E	Saline	Apr.	6	1937	—	2728
Turkey Creek	Grothe, Chas.	Pleasant Hill		Power		4	7	3E	Saline				990*	—
Turkey Creek	Lane, J. K.	Pleasant Hill	Lane Model Canal	Irrig.	.09	4	7	3E	Saline	July	16	1895	—	81
Turkey Creek	Lane, J. K.	Pleasant Hill	Lane Model Canal	Irrig.					Saline	July	18	1895	—	84
Turkey Creek	Pecka, Frank, Jr.	Friend	Pecka Pump	Irrig.	1.23	4	7	1E	Saline	May	3	1934	—	2376
Turkey Creek	Divoky, Rudolph	Friend	Divoky Pump	Irrig.	1.13	34	8	1E	Saline	May	25	1934	—	2386
Turkey Creek	Dilley, Edward A.	Friend	Dilley Pump	Irrig.	2.11	33	8	2E	Saline	June	30	1934	—	2414
Turkey Creek	Belka, John	Dorchester	Belka Pump	Irrig.	.58	4	7	3E	Saline	July	13	1934	—	2424
Turkey Creek	Engel, H. H.	Friend	Engel Pump	Irrig.	.73	8	7	1E	Saline	July	19	1934	—	2432
Turkey Creek	Hasenohr, Fred	De Witt	Hasenohr Pump	Irrig.	.33	24	5	4E	Saline	May	3	1935	—	2546
Turkey Creek	Stokebrand, Edwin	De Witt	Stokebrand Pump	Irrig.	.49	29	5	5E	Gage	Oct.	18	1935	—	2562

Turkey Creek	Ebke, Henry	De Witt	Ebke Pump	Irrig.	.40	24	5	4E	Saline	Oct.	16	1936	—	2645
Turkey Creek	Hamouz, Lew	Milligan	Hamouz Pump	Irrig.	.04	35	7	1	Fillmore	Nov.	3	1936	—	2651
Turkey Creek	Yokel, J. C.	Friend	Yokel Pump	Irrig.	.96	17	7	1E	Saline	Mar.	24	1938	—	2853
Turkey Creek	Barney, John E.	Friend	Barney Pump	Irrig.	.30	32	8	2E	Saline	Sept.	9	1939	—	2961
Turkey Creek	Marcelino, F. J., Est.	Crete	Marcelino Pump	Irrig.	.41	34	8	2E	Saline	July	23	1940	—	3209
Turkey Creek	Harms, Alfred F.	De Witt	Harms Pumps	Irrig.	.46	29	5	5E	Gage	Aug.	20	1940	—	3235
						30	5	5E						
Turkey Creek	Waldo, Mrs. Lizzie	De Witt	Waldo Pumps	Irrig.	.53	24	5	4E	Saline	Aug.	27	1940	—	3243
						19	5	5E						
Turkey Creek	Drake, D. E.	Friend	Drake Pump	Irrig.	.61	32	8	2E	Saline	Sept.	24	1940	—	3274
Turkey Creek	Vossler, Mrs. Esther A.	Friend	Vossler Pump	Irrig.	.09	36	8	1E	Saline	Oct.	9	1940	—	3288
Turkey Creek	Dvorak, John	Wilber	Dvorak Pump	Irrig.	.11	33	6	4E	Saline	Dec.	7	1940	—	3344
Turkey Creek	Svejda, Vaclav	Crete	Svejda Pump	Irrig.	.04	23	7	3E	Saline	July	28	1941	—	3473
Turkey Creek	Semrad, James	Crete	Semrad Pump	Irrig.	.16	14	7	3E	Saline	Aug.	4	1941	—	3479
Turkey Creek	Arnold, Lillie D.	Dorchester	Arnold Pump	Irrig.	.23	35	8	2E	Saline	May	14	1942	—	3566

*Claim not adjudicated.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-E

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Flood Water	Fifield, C. M.	Kimball	Fifield Canal	Irrig.	.57	22	15	56	Kimball	Apr.	27	1911	—	1091
Ground Water (Lodge Pole Cr.)	McIntosh, J. L. and Martin, Paul L.	Sidney	McIntosh-Martin Pump	Irrig.	1.23	35	14	50	Cheyenne	Nov.	22	1922	—	1695
Ground Water	S. A. Foster Lumber Company	Lincoln	Foster Wells	Irrig.	.66	8	13	46	Cheyenne	Apr.	29	1931	—	2200
Ground Water	Rodman, Roland V.	Denver, Colo.	Rodman Well No. 1	Irrig.		28	15	54	Kimball	Aug.	7	1937	—	2770*
Ground Water	Bright, Joe S.	Bridgeport	Bright Well	Irrig.		2	13	50	Cheyenne	May	4	1938	—	2870*
Ground Water	Killham, Edward H.	Lodgepole	Killham Well	Irrig.		1	12	52	Cheyenne	Dec.	21	1938	—	2903*
Ground Water	Gunderson, Howard	Dix	Gunderson Well	Irrig.		36	15	54	Kimball	Dec.	22	1939	—	3065*
Ground Water	Lobb, Jason O.	Gurley	Lobb Well	Irrig.		27	15	55	Kimball	Mar.	29	1940	—	3126*
Ground Water	Gunderson, Robert	Dix	Gunderson Well	Irrig.		33	15	54	Kimball	May	11	1940	—	3156*
Ground Water	Russell, Gail H.	Kimball	Russell Wells	Irrig.		29	15	55	Kimball	May	27	1940	—	3167*
						27	15	54						
						35	15	54						
Ground Water	Johnson, Julius J.	Dix	Johnson Well	Irrig.		34	15	53	Kimball	Feb.	27	1941	—	3403*
Ground Water	Gunderson, Howard	Dix	Gunderson Well	Irrig.		2	14	53	Cheyenne	Mar.	25	1941	—	3419*
Ground Water	Mohatt, Everett	Sidney	Mohatt Pump	Irrig.		4	13	50	Cheyenne	Jan.	26	1942	—	3546*
Lodgepole Cr.	Gieseking, Herman	Altamont, Ill.	Bickel Canal	Irrig.	.30	30	15	55	Kimball	Dec.	31	1876	347	—
Lodgepole Cr.	Alfred Forsling Estate Inc.	Kimball	Owasco Canal	Irrig.	1.20	29	15	55	Kimball	Dec.	31	1876	347R	—
Lodgepole Cr.	Gunderson, A., Estate	Potter	Gunderson Canal	Irrig.	1.43	1	14	52	Cheyenne	June	1	1879	305	—
Lodgepole Cr.	Fuller, Mrs. Jessie L.	Sidney	Runge Canal No. 1	Irrig.	1.71	20	14	50	Cheyenne	Apr.	15	1880	339	—
Lodgepole Cr.	Fuller, Mrs. Jessie L.	Sidney	Runge Canal No. 2	Irrig.	.50	20	14	50	Cheyenne	Apr.	15	1882	338	—
Lodgepole Cr.	Carlson, Mrs. Christina	Potter	Anderson Canal No. 1	Irrig.	2.50	8	14	51	Cheyenne	June	30	1882	373	—
Lodgepole Cr.	Rodman, Walter M.	Kimball	Circle Arrow Canal	Irrig.	3.71	30	15	54	Kimball	July	1	1882	346	—

Lodgepole Cr.	Fuller, Clark H. and Mary J.	Sidney	Urbach Canal	Irrig.	.86	15	14	51	Cheyenne	Sept.	1	1882	308	—
Lodgepole Cr.	Booth, Mrs. Esther	Sunol	Booth Canal	Irrig.	4.25	29	14	47	Cheyenne	May	31	1883	309 310	— —
Lodgepole Cr.	McAuliffe, John F.	Chappell	McAuliffe Canal	Irrig.	2.29	21	13	45	Deuel	Dec.	31	1884	814	—
Lodgepole Cr.	Rodman, Walter M.	Kimball	Kinney Canal No. 2	Irrig.	2.71	33	15	56	Kimball	Dec.	31	1884	348	—
Lodgepole Cr.	Libby, Mary A., Est.	Lodgepole	Libby Canal	Irrig.	2.00	36	14	47	Cheyenne	Dec.	31	1884	312	—
Lodgepole Cr.	Dickinson, Chas. C.	Lodgepole	Dickinson Canal	Irrig.	1.14	26	14	47	Cheyenne	Jan.	1	1885	969	—
Lodgepole Cr.	Ruttner, Edward A.	Lodgepole	Howard Canal	Irrig.	.86	31	14	47	Cheyenne	Apr.	10	1885	336	—
Lodgepole Cr.	Krueger, R. and F. W.	Sidney	Krueger Canal No. 3	Irrig.	1.14	32	14	48	Cheyenne	May	1	1885	323	—
Lodgepole Cr.	Wolf, Mrs. H. D.	Chappell	Wolf Canal	Irrig.	1.00	18	13	45	Deuel	Dec.	31	1885	813	—
Lodgepole Cr.	Rodman, Walter M. and Uhl, David	Kimball Dix	McIntosh Canal	Irrig.	3.31	23	15	55	Kimball	Apr.	16	1886	351	—
Lodgepole Cr.	Krueger, R. and F. W.	Sidney	Krueger Canal No. 2	Irrig.	2.29	32	14	48	Cheyenne	Oct.	10	1886	324	—
Lodgepole Cr.	Helfrich, Peter	Sidney	Borquist Canal	Irrig.	.71	34	14	49	Cheyenne	Apr.	30	1887	300	—
Lodgepole Cr.	Helfrich, Peter	Sidney	Borquist Canal	Irrig.	1.29	34	14	49	Cheyenne	Apr.	30	1887	301	—
Lodgepole Cr.	Dickinson, Friend	Sunol	McLaughlin Canal	Irrig.	1.00	25	14	48	Cheyenne	May	1	1887	966	—
Lodgepole Cr.	George, J. Harvey	Sidney	Mitchell Canal	Irrig.	.86	8	14	51	Cheyenne	Sept.	1	1887	304	—
Lodgepole Cr.	Bernt, William	Columbus	Tobin Canal	Irrig.	2.29	28	14	47	Cheyenne	July	31	1888	330	—
Lodgepole Cr.	Peetz, John	Sidney	Bordwell Canal	Irrig.	1.43	35	14	49	Cheyenne	Aug.	1	1888	303	—
Lodgepole Cr.	Wearin, Wm. H.	Carleton	Premier Canal	Irrig.	2.43	3	14	58	Kimball	Apr.	11	1889	340	—
Lodgepole Cr.	Peetz, John	Sidney	Bordwell Canal	Irrig.	.86	35	14	49	Cheyenne	Apr.	27	1889	302	—
Lodgepole Cr.	Farmer, Marion	Kimball	Atkins-Polly Canal	Irrig.	.79	30	15	55	Kimball	May	6	1889	342	—
Lodgepole Cr.	Wearin, Wm. H.	Carleton	Independent Canal	Irrig.	3.14	7	14	58	Kimball	May	6	1889	343	—
Lodgepole Cr.	Atkins, D. K.	Kimball	Atkins-Polly Canal	Irrig.	.43	30	15	55	Kimball	May	6	1889	344	—
Lodgepole Cr.	Rodman, Walter M.	Kimball	Kinney Canal	Irrig.	2.00	31	15	56	Kimball	May	14	1889	345	—
Lodgepole Cr.	Haberstroh, W. A.	Omaha	Young Canal	Irrig.	.50	33	15	57	Kimball	May	28	1889	349	—
Lodgepole Cr.	Linn, Kenneth	Kimball	Ruttner (Old) Canal	Irrig.	.81	31	15	56	Kimball	June	4	1889	350	—
Lodgepole Cr.	Linn, Kenneth	Kimball	Ruttner (New) Canal	Irrig.	.33	36	15	57	Kimball	June	4	1889	350R	—
Lodgepole Cr.	Oberfelder, R. S.	Sidney	Oberfelder Canal	Irrig.	.43	31	14	46	Cheyenne	June	10	1889	333	—
Lodgepole Cr.	Carter, Thos. B., et al	Chappell	Bullock Canal	Irrig.	1.43	3	13	46	Deuel	June	25	1889	296	—
Lodgepole Cr.	Searcy, Mrs. Geo. H.	Tuscaloosa, Ala.	Persinger Canal	Irrig.	4.57	33	14	46	Deuel	June	25	1889	297	—
Lodgepole Cr.	Krueger, R. and F. W.	Sidney	Krueger Canal No. 1	Irrig.	3.00	29	14	48	Cheyenne	June	26	1889	325	—

*Application pending.
"R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-E—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Lodgepole Cr.	Rodman, Roland V.	Denver, Colo.	Grady Canal	Irrig.	.71	28	15	54	Kimball	Aug.	16	1889	352	----
Lodgepole Cr.	Gross, Chas. C.	Pine Bluff, Wyo.	Hoover Canal	Irrig.	1.43	12	14	59	Kimball	Sept.	4	1889	353	----
Lodgepole Cr.	Equitable Life Insurance Company	Des Moines, Iowa	Ickes Canal	Irrig.	2.50	28	14	50	Cheyenne	Mar.	25	1891	329	----
Lodgepole Cr.	Johnson, Chas. W.	Potter	Adams Canal	Irrig.	1.43	3	14	52	Cheyenne	July	1	1891	371	----
Lodgepole Cr.	Garrad, Robert, et al	Kimball	Hurley-Lilly-Polly Canal	Irrig.	2.57	26	15	56	Kimball	Oct.	1	1891	354	----
Lodgepole Cr.	Thorstensen, Nels	Potter	Christensen Canal	Irrig.	.57	7	14	51	Cheyenne	Apr.	15	1893	366	----
Lodgepole Cr.	Thorstensen, Nels	Potter	Christensen Canal	Irrig.	.43	7	14	51	Cheyenne	Apr.	15	1893	367	----
Lodgepole Cr.	Van Aelstyn, Ed	Sidney	Trognitz Canal	Irrig.	1.00	36	14	50	Cheyenne	June	1	1893	365	----
Lodgepole Cr.	Oberfelder, R. S.	Sidney	Oberfelder Canal	Irrig.	2.00	31	14	46	Cheyenne	Dec.	30	1893	306	----
Lodgepole Cr.	Borgmann, Henry F.	Lodgepole	Barrett Canal	Irrig.		32	14	46	Cheyenne				334*	----
Lodgepole Cr.	Krueger, R. S.	Sidney	Krueger Canal	Irrig.	1.00	29	14	48	Cheyenne	May	1	1894	968	----
Lodgepole Cr.	Lyngholm, Hannah	Sidney	Lyngholm Canal	Irrig.	.36	14	14	51	Cheyenne	Nov.	1	1894	337	----
Lodgepole Cr.	Dickinson, Geo. W., et al	Lodgepole	Dickinson Canal	Irrig.	2.29	33	14	47	Cheyenne	May	10	1896	967	----
Lodgepole Cr.	Searcy, Mrs. Geo. H.	Tuscaloosa, Ala.	Bullock Canal	Irrig.	.57	4	13	46	Deuel	Feb.	16	1898	----	437
Lodgepole Cr.	Alfred Forsling Estate, Inc.	Kimball	Maltese Cross Canal	Irrig.	.21	36	15	57	Kimball	May	16	1898	----	454
Lodgepole Cr.	Wearin, Wm. H.	Carleton	Bushnell Canal	Irrig.	3.00	2	14	58	Kimball	Apr.	15	1899	----	504
Lodgepole Cr.	Wiegand, Lyle H.	Chappell	Wiegand Canal	Irrig.	2.00	17	13	45	Deuel	May	31	1900	----	563
Lodgepole Cr.	Brown, G. B.	Chappell	Neuman Canals 1-2	Irrig.	1.89	36	13	45	Deuel	June	12	1900	----	565
Lodgepole Cr.	Peterson, H. C.	Chappell	Wertz Canal	Irrig.	2.86	12	13	46	Deuel	Feb.	14	1901	----	600
Lodgepole Cr.	Neuman, Guy C.	Chappell	Neuman Canal	Irrig.	1.29	26	13	45	Deuel	Apr.	17	1901	----	611
Lodgepole Cr.	Johnson, J. C., Estate	Chappell	Johnson Canal	Irrig.	2.01	23	13	45	Deuel	Apr.	17	1901	----	612
Lodgepole Cr. (See A-1974)	Rodman, Walter M.	Kimball	Bennett Reservoir	Irrig.	†700AF	22	15	55	Kimball	Mar.	13	1902	----	657

Lodgepole Cr.	Rabe, George H.	Chappell	Naslund Canal	Irrig.	.90	1	12	45	Deuel	Apr.	16	1902	661
Lodgepole Cr.	Rodman, Walter M.	Kimball	Bennett Res. Canal	Irrig.	1.22	22	15	55	Kimball	Oct.	2	1902	691
(Bennett Res.)	Rodman, Walter M.	Kimball	Bennett Res. Canal	Supple.	A-691	22	15	55	Kimball	Oct.	2	1902	691
Lodgepole Cr.	Forsling, Alfred	Kimball	Forsling Canal	Irrig.	1.50	34	15	57	Kimball	Apr.	24	1903	703
Lodgepole Cr.	Rodman, Roland V.	Denver, Colo.	Kinney-Forsling Canal	Irrig.	1.07	33	15	56	Kimball	July	25	1903	718
Lodgepole Cr.	Rodman, Roland V.	Denver, Colo.	Ruttner-Kinney Canal	Irrig.	.75	31	15	56	Kimball	July	25	1903	718R
Lodgepole Cr.	Gieseking, Herman	Altamont, Ill.	Bickel Canal	Irrig.	.93	30	15	55	Kimball	Aug.	3	1903	719
Lodgepole Cr.	Fuller, Clark H. and Mary J.	Sidney	Pomeroy Canal No. 1	Irrig.	.57	15	14	51	Cheyenne	Aug.	20	1903	723
Lodgepole Cr.	Atkins, D. K.	Kimball	Faden Canal	Irrig.	.14	30	15	55	Kimball	Sept.	9	1903	724
Lodgepole Cr.	Rodman, Walter M.	Kimball	Owasco Canal	Irrig.	9.84	29	15	55	Kimball	Sept.	12	1903	725
Lodgepole Cr.	Linn, Kenneth	Kimball	Ruttner (New) Canal	Irrig.	.51	36	15	57	Kimball	Sept.	16	1903	727
Lodgepole Cr.	Rodman, Walter M. and Uhl, David	Kimball	McIntosh Canal Ext.	Irrig.	1.75	23	15	55	Kimball	Dec.	15	1903	734
Lodgepole Cr.	Soderquist, Peter, Estate	Dix Chappell	Smith Canal	Irrig.	3.86	12	12	45	Deuel	Aug.	18	1906	850
Lodgepole Cr.	Soderquist, Peter, Estate	Chappell	Ralton System	Irrig.	2.59	12	12	45	Deuel	Jan.	4	1907	847
Lodgepole Cr.	Rodman, Roland V.	Denver, Colo.	Ruttner (Yoder) Canal	Irrig.	2.71	36	15	57	Kimball	Apr.	9	1907	857
Lodgepole Cr.	Walker, I. S.	Kimball	Ruttner (New) Canal	Irrig.	.63	36	15	57	Kimball	Sept.	16	1907	869
Lodgepole Cr.	Gross, Chas. C.	Pine Bluff, Wyo.	Tracy Canal	Irrig.	.50	12	14	59	Kimball	Sept.	21	1907	870
Lodgepole Cr.	Soderquist, Peter, Estate	Chappell	Ralton Canal	Irrig.	12.40	36	13	45	Deuel	Dec.	4	1907	882
Lodgepole Cr.	Kimball Irrig. Dist.	Kimball	Oliver Resevoir	Irrig.	†20,000 AF	36	15	57	Kimball	Apr.	15	1908	897
(Oliver Res.)	Kimball Irrig. Dist.	Kimball	Kimball Canal	Supple.	A-897	36	15	57	Kimball	Apr.	15	1908	897
Lodgepole Cr.	Kimball Irrig. Dist.	Kimball	Kimball Canal	Irrig.		36	15	57	Kimball	Apr.	15	1908	897
Lodgepole Cr.	Atkins, D. K.	Kimball	Atkins-Polly Canal	Irrig.	.11	30	15	55	Kimball	Apr.	15	1908	897R
Lodgepole Cr.	Wilds, Turner	Chappell	Wilds Canal	Irrig.	.57	11	13	46	Deuel	June	2	1908	904
Lodgepole Cr.	Ruttner, Joseph B.	Sunol	Ruttner Canal	Irrig.	.57	30	14	47	Cheyenne	June	25	1908	906
Lodgepole Cr.	Rodman, Walter M.	Kimball	Bennett Canal No. 3	Irrig.	1.00	29	15	54	Kimball	Feb.	17	1909	934
Lodgepole Cr.	Maginnis, P.	Kimball	Maginnis Ice Pond	Ice	†500AF	26	15	56	Kimball	Sept.	19	1911	1127

†Reservoir capacity alleged by applicant,
"R" Denotes relocation,

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-E—Concluded

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Lodgepole Cr.	Brown, Cyrus D., et al	Chappell	Soderquist Canal	Irrig.	2.60	36	12	45	Deuel	Oct.	22	1912		1237
Lodgepole Cr.	Heming, Howard C.	Chappell	Wiegand Canal No. 3	Irrig.	1.21	16	13	45	Deuel	Sept.	10	1913		1322
Lodgepole Cr.	Heming, Howard C.	Chappell	Wiegand Canal No. 2	Irrig.	.43	16	13	45	Deuel	Sept.	10	1913		1323
Lodgepole Cr.	Brown, Cyrus D., et al	Chappell	Soderquist Canal	Irrig.	2.33	36	13	45	Deuel	June	29	1915		1420
Lodgepole Cr.	Neuman, A. G.	Chappell	Neumann Canal	Irrig.	1.03	26	13	45	Deuel	Jan.	5	1916		1445
Lodgepole Cr.	Bentley, Bertha M.	Sidney	Bentley Reservoir	Dom.	†50AF	34	14	50	Cheyenne	Feb.	14	1917		1478
Lodgepole Cr.	Sudman, Mrs. Minnie	Chappell	Sudman Canal	Irrig.	.79	22	13	45	Deuel	Apr.	5	1917		1483
Lodgepole Cr.	McAuliffe, Beulah	Omaha	McAuliffe Canal	Irrig.	1.77	21	13	45	Deuel	Oct.	3	1919		1559
Lodgepole Cr.	Ruttner, Joseph B.	Sunol	Howard-Ruttner Canal	Irrig.	.20	31	14	47	Cheyenne	Mar.	7	1922		1645
Lodgepole Cr.	Stuht, Fred W.	Sidney	Stuht Canal	Irrig.	.40	32	14	49	Cheyenne	Apr.	26	1922		1659
Lodgepole Cr.	Schulte, Grace	Sidney	Bluhm Canal	Irrig.	1.00	36	14	48	Cheyenne	May	24	1926		1811
Lodgepole Cr.	Stahla, Phillip	Kimball	Kinney Canal	Irrig.	.20	31	15	56	Kimball	July	14	1926		1828
Lodgepole Cr.	Wearin, Wm. H.	Carleton	Wearin Canal	Irrig.	1.50	8	14	58	Kimball	Sept.	28	1926		1864
Lodgepole Cr. (See A-657)	Rodman, Walter M.	Kimball	Bennett Reservoir Enlargement	Irrig.	†262AF	22	15	55	Kimball	Jan.	13	1928		1974
(Bennett Res.)	Rodman, Walter M.	Kimball	Bennett Res. Canal	Irrig.		22	15	55	Kimball	Jan.	13	1928		1975
Lodgepole Cr.	Peterson, Geo. H.	Chappell	Peterson Canal	Irrig.	.66	26	13	45	Deuel	Apr.	17	1928		2006
Lodgepole Cr.	McLernon, Mrs. Emma	Sidney	McLernon Canal	Irrig.	.24	31	14	49	Cheyenne	Sept.	1	1928		2027
Lodgepole Cr.	Pantenburg, Wm. F.	Sidney	Pantenburg Canal	Irrig.	1.00	34	14	49	Cheyenne	Nov.	15	1929		2113
Lodgepole Cr.	Thorstensen, Nels	Potter	Thorstensen Pump	Irrig.	.29	7	14	51	Cheyenne	Mar.	10	1936		2569
Lodgepole Cr.	Anderson, Harry	Sidney	Anderson Pump	Irrig.	.20	10	14	51	Cheyenne	Feb.	14	1938		2839
Lodgepole Cr.	Peetz, John	Sidney	Peetz Pump	Irrig.	.20	35	14	49	Cheyenne	Feb.	21	1939		2909
Lodgepole Cr.	Radcliffe, C. S.	Sidney	Radcliffe Pumps	Irrig.	.41	31 6	14 13	49 49	Cheyenne	Dec.	21	1939		3064
Lodgepole Cr.	Fuller, Mrs. Jessie L.	Sidney	Fuller Pump	Irrig.	.33	20	14	50	Cheyenne	June	25	1940		3191
Lodgepole Cr.	Fuller, Mrs. Jessie L.	Sidney	Runge Canal No. 1	Irrig.	.48	20	14	50	Cheyenne	Jan.	8	1941		3363
Lodgepole Cr.	Fuller, Mrs. Jessie L.	Sidney	Fuller Pump	Irrig.	.64	20	14	50	Cheyenne	Jan.	8	1941		3363R
Lodgepole Cr.	Jones, Chas. L., Est.	Hastings	Jones Canal	Irrig.	1.80	36	14	49	Cheyenne	Feb.	14	1941		3392
Lodgepole Cr.	Fuller, Clark H.	Sidney	Fuller Pump	Irrig.	.71	15	14	51	Cheyenne	Apr.	5	1941		3425

Lodgepole Cr.	George, J. Harvey	Sidney	George Canal	Irrig.	.71	7	14	51	Cheyenne	Oct.	27	1941	___	3525
Lodgepole Cr.	George, J. Harvey	Sidney	Mitchell Canal	Irrig.		8	14	51	Cheyenne	Oct.	27	1941	___	3526
Lodgepole Cr.	McHatton, Howard L.	Chappell	McHatton Pump	Irrig.		7	13	45	Deuel	Mar.	12	1942	___	3560
Springs	Oberfelder, R. S.	Sidney	Oberfelder Canal	Irrig.	2.29	31	14	46	Cheyenne	May	29	1889	307	___
Springs	Chambers, Chas. P., Estate	Sidney	Private Canal	Irrig.	.04	14	13	51	Cheyenne	Mar.	19	1895	335	___
Springs	Libby, H. H., Estate	Lodgepole	Spring Branch Canal	Irrig.	.29	36	14	47	Cheyenne	July	1	1901	___	623

†Reservoir capacity alleged by applicant.
"R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 1-F

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Nemaha River	City of Falls City	Falls City	City Supply	Dom.	4.63	22	1	16E	Richardson	Aug.	5	1936	—	2605
Nemaha River, North Fork	C. B. & Q. R. R. Co.	Lincoln	C. B. & Q. Water Supply	Dom.	1.00	33	3	12E	Pawnee	Aug.	8	1922	—	1687
Nemaha River, North Fork	Estes, E. B.	Tecumseh	Estes Pumps	Irrig.	1.43	19 29	5 5	11E 11E	Johnson	Aug.	15	1930	—	2159
Nemaha River, North Fork (Drainage Channel)	Goracke, Roy C.	Tecumseh	Goracke Pumps	Irrig.	4.20	13 24	5 5	10E 10E	Johnson	May	4	1934	—	2377
Nemaha River, North Fork (Drainage Channel)	Goracke, Raymond A.	Tecumseh	Goracke Pumps	Irrig.	.54	14	5	10E	Johnson	July	16	1934	—	2428
Nemaha River, North Fork (Drainage Channel)	Goracke, Joe	St. Mary	Goracke Pumps	Irrig.	1.12	14	5	10E	Johnson	Sept.	26	1934	—	2478
Nemaha River, North Fork	City of Humboldt	Humboldt	Humboldt Lake Supply Canal	Resort	‡25AF	10	2	13E	Richardson	June	20	1935	—	2551
Nemaha River, North Fork	City of Tecumseh	Tecumseh	City Supply	Dom.	2.30	33	5	11E	Johnson	Sept.	5	1936	—	2634
Nemaha River, North Fork	Elk Creek Recreation Club	Elk Creek	Elk Lake Reservoir	Fish		25	4	11E	Johnson	Apr.	26	1938	—	2864
Nemaha River, North Fork	Binder, W. R.	Table Rock	Binder Pump	Irrig.	1.54	33	3	12E	Pawnee	Jan.	24	1940	—	3086
Nemaha River, North Fork	Heuke, Herman	Table Rock	Heuke Pump	Irrig.	.62	20	3	12E	Pawnee	Aug.	6	1941	—	3482
Nemaha River, North Fork	Binder, W. R.	Table Rock	Binder Pump	Irrig.	1.73	33	3	12E	Pawnee	Aug.	15	1941	—	3487

Nemaha River, North Fork	Binder, W. R.	Table Rock	Binder Pump	Irrig.	.19	33	3	12E	Pawnee	Sept.	25	1941	—	3511
Nemaha R., Lit.	Clarke, J. E.	Brock	Cedar Drive Stock Farm Pumps	Irrig.	1.23 .74	25 31	6 6	13E 14E	Nemaha	Nov.	20	1937	—	2806
Nemaha R., Lit.	Missouri Pacific Railway Corporation	St. Louis, Mo.	Missouri Pacific Water Supply	Dom.	3.00	15	5	14E	Nemaha	May	11	1938	—	2873
Rock Creek	Stevenson, Julien R.	Nebraska City	Stevenson Pump	Irrig.	.70	30	7	14E	Otoe	Dec.	5	1936	—	2668
Walnut Creek	Kimmel, R. P.	Nebraska City	Kimmel Pump	Irrig.	.46	36	9	13E	Otoe	Aug.	27	1936	—	2625
Weeping Water Creek	Gilmore, Chas.	Weeping Water	Gilmore Pond	Ice	8.00	2	10	11E	Cass	Nov.	27	1936	—	2664
Weeping Water Creek	University of Nebraska	Lincoln	University Pump	Irrig.	.57	35	10	13E	Cass	Aug.	5	1909	—	955
Weeping Water Creek	Department of Roads and Irrigation	Lincoln	Nebraska State Pump	Irrig.	.71	35	10	13E	Cass	Jan.	18	1937	—	2681

†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Ash Creek	Swenson, John E.	Eddyville	Tierney Pump	Irrig.	2.95	7	14	20	Custer	May	17	1932	—	2271
Barnum Creek	Sheldon, Charles H.	Columbus	Sheldon Pump No. 1	Irrig.	.13	31	17	1E	Platte	Nov.	4	1939	—	3007
Barnum Creek	Mueller, Paul	Columbus	Mueller Pump	Irrig.	.06	36	17	1	Platte	Jan.	27	1940	—	3087
Barnum Creek	Wagner, August	Columbus	Wagner Pump	Irrig.	1.08	32	17	1E	Platte	Oct.	19	1941	—	3517
‡Beaver Creek	Quackenbush, J. W.	Albion	Pioneer Canal	Irrig.	3.57	22	20	6	Boone	Dec.	8	1894	287	—
Beaver Creek	Long, Wm. M.	Genoa	Windmill Project	Irrig.	.14	14	17	4	Nance	Mar.	31	1896	—	277
Beaver Creek	Consumers Public Power District	Columbus	Albion Power Plant	Power	67.00	26	20	6	Boone	Oct.	3	1901	—	639
Beaver Creek	Consumers Public Power District	Columbus	St. Edward Plant	Power	130.00	27	19	5	Boone	Feb.	11	1911	—	1058
Beaver Creek	Consumers Public Power District	Columbus	Albion Power Plant	Power	70.00	26	20	6	Boone	Feb.	20	1917	—	1480
Beaver Creek	Umbarger, Arthur	Genoa	Umbarger Pump	Irrig.	.99	10	17	4	Nance	July	8	1933	—	2329
Beaver Creek	Peterson, Homer S.	St. Edward	Peterson Pump	Irrig.	.64	18	18	4	Platte	Sept.	10	1934	—	2471
Beaver Creek	Peterson, Henry M.	St. Edward	Peterson Pump	Irrig.	.63	2	18	5	Boone	Aug.	7	1935	—	2554
Beaver Creek	Self, Irene	Omaha	Self Pump	Irrig.	.38	20	19	5	Boone	June	19	1936	—	2582
Beaver Creek	Battles, S. T.	Genoa	Battles Pump	Irrig.	.19	14	17	4	Nance	Oct.	21	1936	—	2647
Beaver Creek	Kellner, Maurine H.	Tuscon, Ariz.	Kellner Pump	Irrig.	.50	10	21	7	Boone	Dec.	1	1936	—	2665
Beaver Creek	Delarm, Ara V.	Albion	Delarm Pump	Irrig.	.27	3	21	7	Boone	Mar.	26	1937	—	2722
Beaver Creek	State Board of Control	Lincoln	Genoa State Hospital Canal	Irrig.	1.28	29	18	4	Nance	Apr.	21	1937	—	2735
Beaver Creek	Myers, A. A.	Albion	Myers Pump	Irrig.	.71	1	20	7	Boone	Sept.	1	1937	—	2779
Beaver Creek	Qualsett, Olaf	Petersburg	Qualsett Pump	Irrig.	.29	30	22	7	Boone	Nov.	16	1937	—	2803
Beaver Creek	Watson, W. B.	Albion	Watson Pump	Irrig.	.44	16	19	5	Boone	Dec.	2	1937	—	2811
Beaver Creek	Kent-Burke Co.	Genoa	Genoa Ranch Canal	Irrig.	.29	24	17	4	Nance	Dec.	6	1937	—	2812
Beaver Creek	Olson, Frank, Estate	Genoa	Olson Pump	Irrig.	.47	15	17	4	Nance	Feb.	8	1938	—	2835
Beaver Creek	Mansfield, F. E.	Albion	Mansfield Pumps	Irrig.	.38	36	20	6	Boone	Feb.	21	1938	—	2849
					.72	31	20	5						

Beaver Creek	Harris, Thomas	St. Edward	Harris Pump	Irrig.	.39	27	19	5	Boone	Mar.	8	1938	—	2843
Beaver Creek	Gillespie, H. H.	Boone	Gillespie Pump	Irrig.	.59	8	19	5	Boone	Mar.	15	1938	—	2846
Beaver Creek	Hunter, Elga B.	Albion	Hunter Pump	Irrig.	.52	10	21	7	Boone	Mar.	24	1938	—	2856
Beaver Creek	Battles, Newell H.	Genca	Newell H. Battles Pump	Irrig.	.69	14	17	4	Nance	Oct.	27	1938	—	2893
Beaver Creek	Ohlson, C. L.	Petersburg	Ohlson Pump	Irrig.	1.39	4	21	7	Boone	May	25	1939	—	2926
Beaver Creek	Stretter, S. W.	Petersburg	Stretter Pump	Irrig.	.13	32	22	7	Boone	Aug.	14	1939	—	2950
Beaver Creek	Blough, L. N.	Albion	Blough Pump	Irrig.	.35	10	21	7	Boone	Sept.	21	1939	—	2969
Beaver Creek	Price, W. S.	Albion	Price Pump	Irrig.	.41	16	20	6	Boone	Feb.	27	1940	—	3096
Beaver Creek	Shaffer, C. J.	St. Edward	Shaffer Pump	Irrig.	.25	2	18	5	Boone	Apr.	10	1940	—	3133
Beaver Creek	Blough, L. N.	Albion	Blough Pump	Irrig.	.04	10	21	7	Boone	Apr.	18	1940	—	3140
Beaver Creek	Hall, Edward C.	St. Edward	Hall Pump No. 1	Irrig.	.66	12	18	5	Boone	Aug.	17	1940	—	3234
Beaver Creek	Carter, Chas. E., Est.	Overton	Carter Pump	Irrig.	.37	34	19	5	Boone	Apr.	21	1941	—	3430
Beaver Creek	Brown, C. H. Jr.	Albion	Brown Pump	Irrig.	1.02	17	20	6	Boone	Sept.	3	1941	—	3491
Beaver Creek	Choat, Clarence	St. Edward	Choat Pump	Irrig.	.60	28	19	5	Boone	Feb.	24	1942	—	3554
Bogus Creek	Fisher, Fred	St. Edward	Fisher Pump	Irrig.	1.02	11	18	5	Boone	May	11	1937	—	2741
Bogus Creek	Hall, Edward C.	St. Edward	Hall Pump No. 2	Irrig.	.11	12	18	5	Boone	Sept.	5	1940	—	3255
Calamus River	Calamus Irrig. Dist.	Harrop	Calamus Canal	Irrig.	121.18	5	24	20	Loup	Oct.	31	1925	—	1785
Calamus River	Calamus Irrig. Dist.	Harrop	Calamus Reservoir	Irrig.	†650AF	5	24	20	Loup	June	8	1926	—	1816
Calamus River	Calamus Irrig. Dist.	Harrop	Calamus Canal	Irrig.	4.86	5	24	20	Loup	Jan.	12	1927	—	1883
Calamus River	Phillipps, J. C. et al	Burwell	Phillipps Pump	Irrig.	.53	25	25	21	Brown	June	13	1932	—	2273
Calamus River	Hesselgesser, Glen	Burwell	Hesselgesser Pump	Irrig.	.34	9	22	17	Loup	Oct.	28	1941	—	3527
Cedar River	Consumers Public Power District	Columbus	Van Ackeren Plant	Power	200.00	5	18	7	Boone	May	1	1881	1049	—
Cedar River	Consumers Public Power District	Columbus	Fullerton Power Plant	Power	200.00	11	16	6	Nance	Sept.	9	1901	—	636
Cedar River	Consumers Public Power District	Columbus	Ericson Power Plant	Power	175.00	25	21	12	Wheeler	May	24	1915	—	1415
Cedar River	Consumers Public Power District	Columbus	Ericson Power Plant	Rs. Dam. A-1415		25	21	12	Wheeler	May	17	1929	—	2081
Cedar River	Consumers Public Power District	Columbus	Fullerton Power Plant	Rs. Dam. A-636	250.00	11	16	6	Nance	Aug.	8	1922	—	1686

†Reservoir capacity alleged by applicant.
‡See appropriations under Mud (Beaver) Creek.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Cedar River	Consumers Public Power District	Columbus	Fullerton Power Plant	Rs. Dam. A-636 A-1686		11	16	6	Nance	Jan.	27	1925	—	1758
Cedar River	Christensen, Chas.	Fullerton	Christensen Pump	Irrig.	2.37	30	17	6	Nance	Sept.	29	1931	—	2240
Cedar River	Maxwell, David Edw.	Columbus	Maxwell Pumps	Irrig.	4.01	23	19	8	Boone	Feb.	14	1934	—	2364
						24	19	8						
Cedar River	Haggerty, John C.	Spalding	Haggerty Pump	Irrig.	.30	34	20	9	Greeley	May	31	1934	—	2390
Cedar River	Haggerty, John C.	Spalding	Haggerty Pump	Irrig.	.76	34	20	9	Greeley	July	20	1936	—	2592
Cedar River	Kinnier, Susan, et al.	Spalding	Kinnier Pump	Irrig.	.57	28	20	9	Greeley	Aug.	17	1936	—	2617
Cedar River	Dobson, W. H., et al.	Cedar Rapids	Dobson Pump	Irrig.	2.09	25	19	8	Boone	Feb.	24	1937	—	2702
Cedar River	Puetz, John M.	Primrose	Puetz Pump	Irrig.	.65	17	19	8	Boone	Nov.	22	1937	—	2807
Cedar River	Batenhorst, Mrs. Anna	Cedar Rapids	Batenhorst Pump	Irrig.	2.00	15	18	7	Boone	Dec.	29	1937	—	2819
Cedar River	Scott, W. J., et al.	Cedar Rapids	Bevins Pump	Irrig.	1.09	9	18	7	Boone	Jan.	25	1938	—	2830
Cedar River	Homan, John M.	Cedar Rapids	Homan Pump	Irrig.	.81	9	18	7	Boone	Feb.	7	1938	—	2834
Cedar River	Abbey, George B.	Kalamazoo, Mich.	Abbey Pump	Irrig.	.89	1	17	7	Nance	Oct.	4	1938	—	2887
Cedar River	Noble, Leah E.	Lincoln	Noble Pump	Irrig.	.49	32	19	7	Boone	Nov.	19	1938	—	2895
Cedar River	Cedar Valley Public Power and Irrig. District	Cedar Rapids	Cedar Valley Canal	Irrig.		5	20	10	Greeley	Apr.	24	1939	—	2916a*
Cedar River	Cedar Valley Public Power and Irrig. District	Cedar Rapids	Cedar Valley Canal	Irrig.		5	20	10	Greeley	Apr.	24	1939	—	2916b*
Cedar River	Cedar Valley Public Power and Irrig. District	Cedar Rapids	Cedar Valley Canal	Irrig.		22	19	8	Boone	Apr.	24	1939	—	2916c*
Cedar River	Cedar Valley Public Power and Irrig. District	Cedar Rapids	Cedar Valley Res.	Irrig.		4	20	11	Greeley	May	11	1939	—	2921*

Cedar River	Hodges, Herbert and Herbert F.	Fullerton	Hodges Pump	Irrig.	.23	31	17	6	Nance	Sept.	30	1939	—	2979
Cedar River	Vanderheiden, Louis L.	Cedar Rapids	Vanderheiden Pump	Irrig.	.41	5	18	7	Boone	Oct.	20	1939	—	2993
Cedar River	Lowery, J. B.	Burwell	Lowery Pump	Irrig.	.29	21	24	14	Garfield	Nov.	22	1939	—	3027
Cedar River	Palmer, George	Fullerton	Palmer Pump	Irrig.	.15	33	17	6	Nance	Dec.	15	1939	—	3051
Cedar River	McCart, Martha Y., et al	Coffeyville, Kan.	McCart-Frenzen Pumps	Irrig.	.53	29	17	6	Nance	Jan.	8	1940	—	3071
						33	17	6						
Cedar River	Foland, Ona B.	Anaheim, Calif.	Foland Pump	Irrig.	.51	26	18	7	Boone	Aug.	17	1940	—	3233
Cedar River	Homan, Peter N.	Cedar Rapids	Peter Homan Pump	Irrig.	.91	31	19	7	Boone	Sept.	9	1940	—	3257
Cedar River	Miller, Jacob	Primrose	Puetz-Miller Pump	Irrig.	1.51	17	19	8	Boone	Sept.	12	1940	—	3264
Cedar River	DeWulf, Gus	Cedar Rapids	DeWulf Pump	Irrig.	.26	15	18	7	Boone	Oct.	24	1940	—	3309
Cedar River	Homan, Mat	Cedar Rapids	Mat Homan Pump	Irrig.		31	19	7	Boone	Nov.	15	1940	—	3330*
Cedar River	The Prudential Ins. Company	Omaha	Prudential Pump No. 1	Irrig.	.50	30	19	7	Boone	Feb.	14	1941	—	3390
Cedar River	Davis, William D.	Primrose	Davis Pump	Irrig.	.69	25	19	8	Boone	Sept.	10	1941	—	3499
Cedar River	Homan, John M.	Cedar Rapids	John Homan Pump	Irrig.		9	18	7	Boone	Mar.	11	1942	—	3559
Clear Creek	Sherbeck, Albert I., Estate	Westerville	Sherbeck Pumps	Irrig.	4.13	5	16	17	Custer	Feb.	7	1927	—	1894
						4	16	17						
Clear Creek	Dean, Paul H.	Broken Bow	Sutton Pump	Irrig.	2.43	36	16	17	Custer	Oct.	18	1927	—	1962
Clear Creek	Lowery, Maurice T.	Mason City	Lowery Pump	Irrig.	1.11	1	15	17	Custer	Aug.	22	1928	—	2026
Clear Creek	Dean, Paul H.	Broken Bow	Dean Pump	Irrig.	2.00	22	16	17	Custer	Oct.	9	1928	—	2040
Clear Creek	Banker, Louis, Jr.	Litchfield	Banker Pump	Irrig.	.13	36	14	16	Sherman	Mar.	30	1934	—	2370
Clear Creek	Vansant, J. A. and Scott, G. H.	Ansley	Vansant-Scott Pump	Irrig.	.96	27	17	18	Custer	Dec.	15	1938	—	2900
Clear Creek	Heapy, Albert	Litchfield	Heapy Pump	Irrig.	.15	10	14	16	Sherman	Nov.	2	1939	—	3004
Clear Creek	Casteel, A.	Ansley	Casteel Pump	Irrig.	.93	1	16	18	Custer	Dec.	12	1939	—	3049
Clear Creek	Heapy, Albert	Litchfield	Heapy Pump No. 2	Irrig.	.17	10	14	16	Sherman	Jan.	9	1941	—	3364
Clear Creek, Ravine Trib. to	Welsh, W. M.	Central City	Welsh Reservoir	Irrig.	†28AF	36	17	18	Custer	May	2	1941	—	3437
Cold Spring Cr.	Ballweg, Michael	Spalding	Ballweg Pump	Irrig.	.84	11	20	16	Greeley	Mar.	14	1940	—	3118
Cold Spring Cr	Glaser, Joseph	Spalding	Glaser Pump	Irrig.		14	20	10	Greeley	Sept.	11	1942	—	3586*

*Application pending.
†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Columbus Drain Ditch	Luchsinger, Ernst	Columbus	Luchsinger Pump	Irrig.	1.23	9	17	1E	Platte	May	24	1940	----	3165
Columbus Drain Ditch	Segelke, Bess	Columbus	Segelke Pump	Irrig.	.54	8	17	1E	Platte	Mar.	5	1941	----	3408
Cotton Creek	Olsen, James	Farwell	Olsen Pump	Irrig.	.12	6	14	11	Howard	Oct.	25	1940	----	3311
Cow Creek	Hanna, Don E.	Brownlee	Homestead Canal	Irrig.	2.29	7	26	27	Cherry	July	14	1894	194	----
Dane Creek	Koupal, Frank	Ord	Koupal Canal	Irrig.	.14	20	19	14	Valley	July	5	1912	----	1207
Davis Creek	Christensen, Martin	Solvang, Calif.	Christensen Pump	Irrig.	.25	7	16	12	Howard	Aug.	4	1937	----	2769
Dismal River	Van Antwerp, A. J., et al	Broken Bow	Dismal Canal	Irrig.		21	21	26	Thomas	Aug.	18	1938	----	2880*
Duck Creek	Bartunek, Edward	Linwood	Bartunek Pump	Irrig.	.41	23	17	4E	Butler	Sept.	23	1941	----	3509
Dutchman Creek (See Spring Branch)														
Elm Creek	Rogers, Wilber A.	Ord	Rogers Pump	Irrig.	1.68	25	19	14	Valley	Sept.	30	1929	----	2107
Fish Creek	Boilesen, Chris	Cotesfield	Boilesen Pumps	Irrig.	.15	1	16	12	Howard	Dec.	19	1940	----	3355
						6	16	11						
Goose Creek	Erickson, P. C. and J. M.	Brewster	Erickson Canal	Irrig.	8.00	18	25	24	Brown	Apr.	3	1895	209	----
Goose Creek	Giles, R. P., et al	Elsmere	Giles Canal	Irrig.	10.00	2	25	25	Cherry	June	1	1895	187	----
Goose Creek	Crook, F.	Giles	Crook Canal	Irrig.	6.80	33	25	24	Brown	June	2	1896	----	345
Goose Creek	Fink, C. E.	Elsmere	Empire Ranch Canal	Irrig.	1.62	35	26	25	Cherry	June	11	1934	----	2405
Goose Creek	Giles, Richard, et al	Elsmere	Giles Canal	Irrig.		35	26	25	Cherry	Aug.	14	1934	----	2462b*

Gracie Creek	Shoemaker, A. E.	Burwell	Gracie High Line Canal	Irrig.	.29	29	23	17	Loup	July	9	1897	—	397
Ground Water	Myers, Morris E.	Eddyville	Myers Well	Irrig.		16	14	20	Custer	Sept.	3	1940	—	3253*
Ground Water	The Prudential Ins. Co. of America	Omaha	Groteluschen—The Prudential Ins. Co. Well	Irrig.		21	18	2E	Colfax	July	25	1941	—	3468*
Ground Water	The Prudential Ins. Co. of America	Omaha	Mackey—The Prudential Ins. Co Well	Irrig.		6	15	18	Custer	July	25	1941	—	3469*
Ground Water	The Prudential Ins. Co. of America	Omaha	Grady—The Prudential Ins. Co. Well	Irrig.		21	18	2E	Colfax	July	25	1941	—	3470*
Ground Water	Lewin, Inez F.	Arcadia	Lewin Well	Irrig.		36	17	17	Custer	Oct.	6	1941	—	3514*
Homan Creek	Homan, Matt	Cedar Rapids	Homan Pump	Irrig.	1.40	31	19	7	Boone	Jan.	6	1938	—	2820
Lake Creek	Toman, Joseph C.	St. Paul	Toman Lake Res.	Resort	†15AF	36	15	10	Howard	Nov.	11	1936	—	2658
Lillian Creek	Davis, Frank J.	Broken Bow	Davis Pump	Irrig.	4.90	1	19	2	Custer	Feb.	7	1927	—	1895
Lillian Creek	Phillips, Seba E.	Gates	Myers Canal	Irrig.	.11	15	19	20	Custer	Aug.	30	1927	—	1956
Looking Glass Creek	Gerrard, E. A. and F. H.	Monroe	Monroe Canal	Irrig.	2.86	1	17	3	Platte	June	12	1894	289	—
Looking Glass Creek	Christman, Minnie	Monroe	Christman Pump	Irrig.	.94	5	17	3	Platte	July	26	1941	—	3472
Loseke Creek	Klug, Arthur and Emil	Columbus	Klug Pump	Irrig.	.27	13	18	1E	Platte	Nov.	2	1939	—	3005
Lost Creek (Warm Slough)	Kolouch, Fred	Schuyler	Dworak Pump	Irrig.	1.30	28	17	3E	Colfax	Oct.	12	1928	—	2041
Lost Creek (Slough)	Ballon, James	Schuyler	Ballon Reservoir	Resort	†14AF	29	17	3E	Colfax	June	11	1934	—	2406
Lost Creek	Ballon, James	Schuyler	Ballon Pump	Irrig.	.91	29	17	3E	Colfax	Aug.	28	1936	—	2628
Lost Creek	City of Schuyler	Schuyler	Community Park Res.	Resort	†15AF	21	17	3E	Colfax	May	15	1937	—	2742
Lost Creek	Reisch, Mary	Springfield, Ill.	Reisch Pump	Irrig.	.51	21	17	2E	Colfax	Jan.	7	1938	—	2824

*Application pending.
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CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Lost Creek	Oehlrich, Herman, et al	Columbus	Oehlrich Pump	Irrig.	.76	20	17	2E	Colfax	Nov.	15	1939	—	3018
Lost Creek	Siefken, John H.	Columbus	Siefken Pump	Irrig.	.25	30	17	2E	Colfax	Dec.	15	1939	—	3054
Lost Creek	Hellbusch, Herman	Columbus	Hellbusch Pump	Irrig.	.57	18	17	1E	Platte	Dec.	18	1939	—	3059
Lost Creek	Shuster, Leonard	Schuyler	Shuster Pump	Irrig.	1.66	23	17	3E	Colfax	Sept.	17	1941	—	3507
Loup River	Loup River Public Power District	Columbus	Columbus-Genoa Power Canal	Power	3500.00	6	16	4	Nance	Sept.	15	1932	—	2287**
Loup River	Loup River Public Power District	Columbus	Columbus-Genoa Power Canal	Incr Hd. A-2287		6	16	4	Nance	Apr.	4	1936	—	2573
Loup River	Forbes, J. A.	Palmer	Forbes Pump	Irrig.	.16	16	15	8	Nance	Oct.	18	1939	—	2989
Loup River	Sheldon, Charles H.	Columbus	Sheldon Pump No. 2	Irrig.	.15	25	17	1	Platte	Nov.	4	1939	—	3008
Loup River	Carter, Kathryn	Columbus	Carter Pump	Irrig.	.70	6	16	4	Nance	Feb.	23	1940	—	3093
Loup River	Forbes, J. A.	Palmer	Forbes Pump	Irrig.	.57	16	15	8	Nance	June	4	1940	—	3171
Loup River	Santin and Vaughn	Fullerton	Santin-Vaughn Pump	Irrig.	2.30	6	15	6	Nance	Aug.	8	1940	—	3227
Loup River	Paulsen, G. W.	Palmer	Paulsen Pump	Irrig.	.29	12	15	9	Howard	May	7	1941	—	3440
Loup River	Swanson, J. S.	St. Paul	Swanson Pump	Irrig.	1.59	32	14	10	Howard	Nov.	22	1941	—	3533
Loup River	Schubert, Max Franz	Palmer	Schubert Pump	Irrig.	.16	7	15	8	Merrick	Jan.	8	1942	—	3543
Loup R., Middle	Consumers Public Power District	Columbus	Lundy Mill and Power Plant	Power	200.00	4	19	19	Custer	Aug.	1	1886	1024	—
Loup R., Middle	Muhlback, Fred	Mullen	Mullen Grist and Light Plant	Power	124.00	6	24	32	Hooker	Mar.	12	1912	—	1185
Loup R., Middle	St. Paul Electric Light Works	St. Paul	St. Paul Power Plant	Power	2000.00	3	14	10	Howard	Aug.	12	1912	—	1216
Loup R., Middle	Consumers Public Power District	Columbus	Lundy Mill and Power Plant	Rs. dam D-1024	400.00	4	19	19	Custer	Sept.	16	1912	—	1221
Loup R., Middle	United States of Amer.	Halsey	Bessey Nursery Canal	Irrig.	1.00	3	22	26	Thomas	Sept.	16	1912	—	1226
Loup R., Middle	Midwest Life Insurance Company	Lincoln	Loup Valley Canal	Irrig.	.86	36	20	21	Custer	May	31	1913	—	1294
Loup R., Middle	Consumers Public Power District	Columbus	Boelus Power Canal	Power	1000.00	30	13	12	Howard	July	14	1914	—	1373

Loup R., Middle	C. B. & Q. R. R. Co.	Lincoln	Seneca Pipe Line	Dom.	.50	18	24	30	Thomas	Dec.	28	1914		1396
Loup R., Middle	Middle Loup Public Power & Irrig. Dist.	Arcadia	Arcadia Power Plant	Power		35	18	17	Custer	Apr.	4	1927		1918*
Loup R., Middle	Knapp, Harry R.	Broken Bow	Knapp Pump	Irrig.	5.49	32	15	14	Sherman	July	18	1927		1943
Loup R., Middle	Klausen, Paul	Rockville	Klausen Canal	Irrig.	2.17	36	14	14	Sherman	Aug.	14	1929		2095
Loup R., Middle	John, Vincent L.	Loup City	John Canal	Irrig.	.59	18	15	14	Sherman	Sept.	18	1929		2105
Loup R., Middle	Obermiller, John H.	Farwell	Obermiller Pump	Irrig.	.97	28	13	12	Howard	May	7	1930		2139
Loup R., Middle	Haesler, John	Loup City	Haesler Pump	Irrig.	1.75	13	15	15	Sherman	July	27	1931		2222
Loup R., Middle	U. S. Forest Service	Halsey	Bessey Nursery Canal	Irrig.	.30	3	22	26	Thomas	July	30	1931		2223
Loup R., Middle	Middle Loup Public Power & Irrig. Dist.	Arcadia	Canal No. 1 (South)	Irrig.	26.83	10	19	18	Custer	Dec.	28	1932		2293**
			Canal No. 2 (North)	Irrig.	61.00	10	19	18	Custer	Dec.	28	1932		2293**
			Canal No. 3	Irrig.	126.60	1	17	17	Custer	Dec.	28	1932		2293**
			Canal No. 4	Irrig.	84.58	36	18	17	Custer	Dec.	28	1932		2293**
Loup R., Middle	Books, William J.	Broken Bow	Books Pump	Irrig.	1.36	36	20	21	Custer	July	8	1933		2330
Loup R., Middle	Leininger, John P.	Loup City	Leininger Pump	Irrig.	.93	12	15	15	Sherman	June	2	1934		2395
Loup R., Middle	McMillan, Thos. Wright, et al	Broken Bow	Rankin Canal	Irrig.	14.50	4	21	23	Blaine	Sept.	22	1934		2477
Loup R., Middle	McMillan, Thos. Wright, et al	Broken Bow	Rankin Canal	Irrig.	6.97	23	21	22	Blaine	Sept.	22	1934		2477R
Loup R., Middle	Middle Loup Public Power & Irrig. Dist.	Arcadia	Canal No. 1 (South)	Irrig.	3.00	10	19	18	Custer	Jan.	4	1937		2678
			Canal No. 2 (North)	Irrig.	7.93	10	19	18	Custer	Jan.	4	1937		2678
			Canal No. 3	Irrig.	4.00	1	17	17	Custer	Jan.	4	1937		2678
			Canal No. 4	Irrig.	14.68	36	18	17	Custer	Jan.	4	1937		2678
Loup R., Middle	McMillan, Thos. Wright, et al	Broken Bow	McMillan Canal	Irrig.	8.21	23	21	22	Blaine	Oct.	22	1937		2797
Loup R., Middle	Vandeventer, A.	Dunning	A. Vandeventer Pump	Irrig.	1.10	30	22	24	Blaine	Oct.	7	1938		2888
Loup R., Middle	Sargent Public Irrig. District	Sargent	Milburn-Sargent Canal	Irrig.	109.74	15	21	22	Blaine	Sept.	23	1939		2970
Loup R., Middle	Drobny, Lad	Martin, S.D.	Drobny Pump	Irrig.	1.28	35	18	17	Custer	Oct.	23	1939		2995
Loup R., Middle	Game Forestation & Parks Commission	Lincoln	Loup City State Lake	Resort	†140AF	11	15	15	Sherman	Dec.	15	1939		3052
Loup R., Middle (Broadmouth Canyon)	Sargent Public Irrig. District	Sargent	Broadmouth Reservoir	Irrig.	†1334AF	15	21	22	Blaine	Mar.	6	1940		3105

**By stipulation entered into by each of the following districts, the Loup River Public Power District is subsequent in priority to Application 2293 filed by the Middle Loup Public Power and Irrigation District, and Application 2312 filed by the North Loup River Public Power and Irrigation District. See Supreme Court Opinion Number 31410.

*Application pending.

"R" Denotes relocation.

†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Loup R., Middle (Winnegar Canyon)	Sargent Public Irrig. District	Sargent	Winnegar Reservoir	Irrig.	†1530AF	15	21	22	Blaine	Mar.	6	1940		3106
Loup R., Middle	Lundy, Laura E.	Lincoln	Doris Lake Canal	Irrig.	1.23	9	19	19	Custer	June	25	1940		3190
Loup R., Middle	Ogle, Arthur C.	Loup City	Ogle Pump	Irrig.	.31	4	14	14	Sherman	Sept.	3	1940		3250
Loup R., Middle	Fisher, Hattie	Ravenna	Fisher Pump	Irrig.	.36	25	13	13	Sherman	Oct.	24	1940		3207
Loup R., Middle	Hedglin, E. L., Estate	Eddyville	Hedglin Pump	Irrig.	.28	27	13	12	Howard	Dec.	2	1940		3338
Loup R., Middle	The Travelers, Ins. Co.	Hartford, Conn.	The Travelers Ins. Company Pump	Irrig.	.42	16	14	14	Sherman	Jan.	15	1941		3368
Loup R., Middle	Lemburg, W. H.	Boelus	Lemburg Pump	Irrig.	.49	29	13	11	Howard	Jan.	8	1942		3542
Loup R., Middle	Hadenfeldt, William	Dannebrog	Hadenfeldt Pump	Irrig.		28	13	11	Howard	June	10	1942		3575
Loup R., Middle Ravine, Trib. to	White, Allen	St. Paul	White Reservoir	Irrig.		5	14	10	Howard	Oct.	29	1940		3313*
Loup R., North	Naab, J. Peter	Burwell	Naab Pump	Irrig.	1.40	28	21	17	Loup	Aug.	3	1929		2091
Loup R., North	Anderson Brothers Irrig. Company	Hastings	Anderson Pump	Irrig.	5.17	7	15	9	Howard	Apr.	5	1930		2131
Loup R., North	Smith, Evet A., et al	Ord	Smith Pump	Irrig.	2.25	9	19	14	Valley	Aug.	6	1930		2154
Loup R., North	Mortensen, Crawford J.	Ord	Taylor-Ord Canal	Irrig.	1.94	13	21	15	Loup	Aug.	8	1930		2155R
Loup R., North	Stewart, Wm. J.	Ord	Stewart Pump	Irrig.	.54	9	19	14	Valley	Aug.	11	1930		2158
Loup R., North	Blomquist, O. V.	Walla Walla, Wash.	Blomquist Pump	Irrig.	.83	16	15	10	Howard	Nov.	26	1930		2178
Loup R., North	Sailing, Ira L.	Cushing	Sailing Pump	Irrig.	.86	7	15	9	Howard	Jan.	14	1931		2187
Loup R., North	Cox, R. K.	Purdum	Cox Pumps	Irrig.	4.87	9 16	24 24	25 25	Blaine	Feb.	25	1932		2255
Loup R., North	Newton Irrig. Dist.	Moulton	Newton Canal	Irrig.	19.28	35	23	21	Blaine	Mar.	18	1932		2263
Loup R., North	North Loup River Public Power and Irrig. District	Ord	Taylor-Ord Canal	Irrig.	120.18	13	21	19	Loup	Mar.	28	1933		2312**
			Ord-North Loup Canal	Irrig.	55.65	22	19	14	Valley	Mar.	28	1933		2312**
			Burwell-Sumter Canal	Irrig.	62.17	14	21	16	Garfield	Mar.	28	1933		2312**
Loup R., North	Tetschner, Frank	Burwell	Tetschner Pump	Irrig.	.21	14	21	16	Garfield	May	24	1933		2323
Loup R., North	City of Ord	Ord	Municipal Pipe Line	Dom.	1.00	22	19	14	Valley	Jan.	5	1934		2349

Loup R., North	Cole, W. B., et al	Taylor	Taylor-Ord Canal	Irrig.	1.31	13	21	19	Loup	July	6	1934		2417R
Loup R., North	Bales, Henry A.	Burwell	Bales Pump	Irrig.	.65	11	21	16	Garfield	July	14	1934		2427
Loup R., North	Wells, Lee	Taylor	Wells Pump	Irrig.	.74	20	21	18	Loup	Aug.	6	1934		2455
Loup R., North	Britton, Jack	Burwell	Britton Pump	Irrig.	1.00	26	21	18	Loup	Aug.	20	1934		2467
Loup R., North	Almeria Public Power and Irrig. District	Almeria	Almeria Canal	Irrig.	12.09	10	22	20	Loup	Aug.	28	1934		2469
Loup R., North (See A-2574)	Coble, W. C.	Whitman	Coble Canal	Irrig.	.48	20	28	35	Cherry	Oct.	10	1934		2485
Loup R., North	Coble, W. C.	Whitman	Coble Reservoir	Irrig.	†41AF	20	28	35	Cherry	Oct.	10	1934		2485
(Coble Res.)	Coble, W. C.	Whitman	High Line Canal	Supple.	A-2485	20	28	35	Cherry	Oct.	10	1934		2574
			High Line Canal	Supple.	A-2525									
Loup R., North	Krebs, M. L., Estate	Scotia	Krebs Canal	Irrig.	1.75	27	17	12	Greeley	Feb.	26	1935		2520
Loup R., North See A-2574)	Coble, W. C.	Whitman	High Line Canal	Irrig.	1.32	20	28	35	Cherry	Mar.	12	1935		2525
Loup R., North	Ferguson, Robert W.	Brewster	Ferguson Pump	Irrig.	1.32	36	23	21	Blaine	Sept.	8	1936		2635
Loup R., North	Wells and Kilpatrick	Cotesfield	Wells-Kilpatrick Pump	Irrig.	.12	12	16	12	Howard	Nov.	14	1936		2660
Loup R., North	Rusho, Robert	Taylor	Rusho Pump	Irrig.	1.11	33	22	19	Loup	Apr.	8	1937		2729
Loup R., North	Pemberton, James H.	Palmer	Pemberton Pump	Irrig.	.46	2	16	12	Howard	Sept.	27	1937		2790
Loup R., North	Blomquist, O. V.	Walla Walla, Wash.	Blomquist Pump	Irrig.	.11	16	15	10	Howard	Nov.	27	1937		2808
Loup R., North	Van Diest, A. C.	Almeria	Newton Canal Ext.	Irrig.	2.22	35	23	21	Blaine	Apr.	26	1938		2863
Loup R., North	Almeria Public Power and Irrig. Dist.	Almeria	Almeria Canal Ext.	Irrig.	13.65	10	22	20	Loup	Apr.	29	1938		2868
Loup R., North	Cole, W. B., et al	Taylor	Almeria Canal Ext.	Irrig.	6.46	10	22	20	Loup	Apr.	30	1938		2869
Loup R., North	Van Diest, A. C.	Almeria	Van Diest Pump	Irrig.	.89	24	21	17	Loup	May	12	1938		2874
Loup R., North	Newton Irrig. Dist.	Moulton	Newton Irrig. Canal	Irrig.	.86	35	23	21	Blaine	May	29	1939		2927
Loup R., North	Wegner, F. C.	Palmer	Krebs Pump	Irrig.	.70	22	17	12	Greeley	Nov.	29	1939		3062
Loup R., North	Lakin, Glenn C.	Burwell	Lakin Pump	Irrig.	.24	14	21	16	Garfield	Apr.	15	1940		3137
Loup R., North	City of Ord	Ord	Bussell Park Lake	Resort		13	21	19	Loup	Apr.	27	1940		3144*
Loup R., North	McOstrich, Darrell B.	Ord	McOstrich Pump	Irrig.	.22	30	19	13	Valley	June	4	1940		3177
Loup R., North	North Loup River Public Power and Irrig. District	Ord	Taylor-Ord Canal	Irrig.		13	21	19	Loup	July	25	1940		3215a*
			Burwell-Sumter Canal	Irrig.		14	21	16	Garfield	July	25	1940		3215b*
			Ord-North Loup Canal	Irrig.		22	19	14	Valley	July	25	1940		3215c*
Loup R., North	Anderson, Fred	Cushing	Anderson Pump	Irrig.		17	15	10	Howard	Sept.	1	1942		3584

†Reservoir capacity alleged by applicant.
*Application pending.
"R" Denotes relocation.
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CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Loup R., North Tributary to	Kent, Lulu	Burwell	Kent Pump	Irrig.	.05	29	21	15	Garfield	Oct.	5	1936	----	2644
Loup R., South	Callaway Electric Co.	Callaway	Callaway Mill	Power	83.00	2	15	23	Custer	Oct.	1	1889	988	----
Loup R., South	Tillson, W. Z.	Poole	Tillson Canal	Irrig.	15.57	29	12	15	Buffalo	Dec.	28	1894	236	----
Loup R., South	Boblitz, E. J.	Oconto	Boblitz Canal	Irrig.	.50	10	14	21	Custer	Jan.	17	1895	219a	----
Loup R., South	Boblitz, E. J.	Oconto	Boblitz Canal	Power	20.00	10	14	21	Custer	Jan.	17	1895	219b	----
Loup R., South	Brown, A. D.	Milldale	Brown Canal	Irrig.	.86	31	17	24	Custer	Feb.	23	1897	----	363
Loup R., South	Hartzell, B. F.	Logan	Hartzell Canal	Irrig.	.37	27	18	26	Logan	May	18	1897	----	390
Loup R., South	C. B. & Q. R. R. Co.	Lincoln	Ravenna Pipe Line	Dom.	.50	9	12	14	Buffalo	Dec.	24	1914	----	1393
Loup R., South	Central Power Co.	Grand Island	Grand Island Plant	Power	840.00	35	13	12	Howard	Jan.	18	1915	----	1400
Loup R., South	Perkins, Mrs. Ethel	Arnold	Perkins Canal	Irrig.	3.77	25	17	25	Custer	Mar.	30	1928	----	1994
Loup R., South	Shaw, Orren	Callaway	Finch Pump	Irrig.	2.30	9	16	24	Custer	Sept.	27	1928	----	2037
Loup R., South	Quest, C. E.	Boelus	Quest Canal	Irrig.	1.55	33	13	12	Howard	June	13	1930	----	2143
Loup R., South	Roth, Fred	Ravenna	Roth Pump	Irrig.	.57	5	12	13	Buffalo	June	7	1934	----	2400
Loup R., South	Wall, R. V.	Logan	Wall Pump	Irrig.	.32	35	18	26	Logan	June	18	1934	----	2410
Loup R., South	May, Jesse S.	Callaway	May Pump	Irrig.	.75	15	15	22	Custer	Apr.	8	1937	----	2730
Loup R., South	Turley, F. E.	Arnold	Turley Pump	Irrig.	.32	6	16	24	Custer	May	7	1937	----	2740
Loup R., South	Pressey, H. E.	Oconto	Pressey Pump No. 2	Irrig.	.19	10	14	21	Custer	Feb.	28	1938	----	2841
Loup R., South	Smith, Lizzie B.	Long Beach, Calif.	Smith Pump	Irrig.	.77	16	15	22	Custer	Nov.	22	1939	----	3029
Loup R., South	First Trust Co.	Lincoln	Wallace Pump	Irrig.	1.23	32	15	21	Custer	Feb.	7	1940	----	3089
Loup R., South	Bogue, H. C., et al.	Galesburg, Ill.	Bogue Pump	Irrig.	1.23	7	15	22	Custer	May	10	1940	----	3151
Loup R., South	Prudential Insurance Company	Omaha	Dunn Pump	Irrig.	.45	10	14	21	Custer	June	21	1940	----	3186
Loup R., South	Glendy, Carl	Oconto	Glendy Pump	Irrig.	.66	13	14	21	Custer	July	6	1940	----	3195
Loup R., South	Hunter, Robert A.	Pleasanton	Hunter-Fateman Pump	Irrig.	4.07	2	11	16	Buffalo	July	16	1940	----	3202
Loup R., South	Devine, Frank	Oconto	Devine Pump	Irrig.	2.61	17	14	20	Custer	July	23	1940	----	3208
Loup R., South	Glendy, Leonard O.	Oconto	L. O. Glendy Pump	Irrig.	.25	13	14	21	Custer	July	26	1940	----	3218

Loup R., South	Popp, John	Mason City	Popp Pump	Irrig.		.26	23	13	19	Custer	July	29	1940	.....	3226
Loup R., South	Myers, Morris E.	Eddyville	Myers Pump	Irrig.		.93	20	14	20	Custer	Aug.	14	1940	.....	3231
Loup R., South	Lea, Joe W.	Pleasanton	Lea Pump	Irrig.		.08	35	12	16	Buffalo	Oct.	7	1940	.....	3282
Loup R., South	Glendy, Carl	Oconto	Glendy Pump	Irrig.		.27	13	14	21	Custer	Oct.	11	1940	.....	3290
Loup R., South	Weaver, W. L.	Oconto	Weaver Pump	Irrig.			24	15	22	Custer	Nov.	19	1940	.....	3332*
Loup R., South	Harse, James W.	Miller	Harse Pump	Irrig.			5	12	18	Buffalo	Jan.	22	1941	.....	3376*
Messenger Creek	Bartz, Paul	North Loup	Bartz Pump	Irrig.		.24	26	19	13	Valley	Dec.	20	1934	.....	2501
Mira Creek (Mira Res.)	McClellen, C. W.	North Loup	Mira Reservoir	Irrig.	†14AF		26	18	13	Valley	Mar.	8	1912	.....	1182
	McClellen, C. W.	North Loup	McClellan Pumps	Irrig.			26	18	13	Valley	Mar.	8	1912	.....	1239
Mira Creek	Hutchins, W. T.	North Loup	Hutchins Dam	Irrig.		.03	27 26	18 18	13 13	Valley	Apr.	18	1916	.....	1453
Mud (Beaver) Creek	Ravenna Mills	Ravenna	Ravenna Mills	Power			8	12	14	Buffalo				1037*	.....
Mud (Beaver) Creek	Benson, C. W.	Litchfield	Litchfield Mills	Power			33	14	16	Sherman				999*	.....
Mud (Beaver) Creek	Mason City Roller Mill and Light Plant	Mason City	Mason City Mill and Light Plant	Power			31	15	17	Custer				1042*	.....
Mud (Beaver) Creek	Penn, Chas.	Broken Bow	Penn Canal	Irrig.		.50	33	17	20	Custer	Aug.	14	1894	215	.....
Mud (Beaver) Creek	C. B. & Q. R. R. Co.	Lincoln	C. B. & Q. Water Supply	Dom.		1.00	8	12	14	Buffalo	July	26	1919	.....	1550
Mud (Beaver) Creek	Grammer, Mrs. Sarah F.	Kearney	Lang Pump	Irrig.		1.21	13	14	17	Custer	Aug.	20	1926	.....	1848
Mud (Beaver) Creek	Skochdopole, Ernest	Ravenna	Skochdopole Pump	Irrig.		2.10	1	12	15	Buffalo	Nov.	8	1926	.....	1871
Mud (Beaver) Creek	Wilson, Otis N.	Litchfield	Wilson Pump	Irrig.		.51	14	14	17	Custer	Dec.	10	1926	.....	1879
Mud (Beaver) Creek	Vansant, J. A.	Broken Bow	Vansant Pump	Irrig.		.27	33	17	20	Custer	Dec.	13	1926	.....	1880
Mud (Beaver) Creek	Sorensen, U.	Berwyn	Sorensen Pump	Irrig.		1.00	21	16	19	Custer	Jan.	14	1927	.....	1884
Mud (Beaver) Creek	Willoughby, C. D.	Mason City	Willoughby Pump	Irrig.		1.10	34	15	17	Custer	Feb.	8	1927	.....	1896

*Application pending, or claim not adjudicated.
†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Mud (Beaver) Creek	Yanda, Geo. J.	Ravenna	Yanda Pumps	Irrig.	.90	8	12	14	Buffalo	Apr.	4	1927		1920
						9	12	14						
Mud (Beaver) Creek	Duke, R. H., et al	Mason City	Dorsett-Duke-Amsberry Pump	Irrig.	2.41	31	15	17	Custer	Nov.	10	1928		2051
Mud (Beaver) Creek	Leui, Harvey C.	Broken Bow	Yeoman Pump	Irrig.	.47	18	16	19	Custer	Jan.	3	1929		2059
Mud (Beaver) Creek	Tracy, R. N.	Mason City	Tracy Pump	Irrig.	.13	32	15	17	Custer	Apr.	23	1929		2079
Mud (Beaver) Creek	Slote, E. A.	Litchfield	Slote Pump	Irrig.	.64	33	14	16	Sherman	May	31	1934		2391
Mud (Beaver) Creek	Haller, H. F.	Litchfield	Haller Pump	Irrig.	.71	19	14	16	Sherman	July	13	1934		2423
Mud (Beaver) Creek	Lang, J. R.	Litchfield	Lang Pump	Irrig.	1.25	13	14	17	Custer	July	27	1934		2445
Mud (Beaver) Creek	Dietrich, Catherine, et al	Ravenna	Dietrich Pump	Irrig.	1.26	4	12	15	Buffalo	Aug.	16	1934		2464
Mud (Beaver) Creek	Perry, John J.	Sweetwater	Perry Pump	Irrig.	.47	3	12	15	Buffalo	Aug.	21	1936		2620
Mud (Beaver) Creek	Amsberry, Rollie	Mason City	Amsberry Pump	Irrig.	.22	22	15	18	Custer	Jan.	26	1937		2684
Mud (Beaver) Creek	Amsberry, Emma	Mason City	Amsberry Pump	Irrig.	.56	23	15	18	Custer	Sept.	18	1937		2789
Mud (Beaver) Creek	Hall, John	Ansley	Hall Pump	Irrig.	.54	15	15	18	Custer	Oct.	1	1937		2792
Mud (Beaver) Creek	Lang, C. E.	Litchfield	Lang Pump	Irrig.	1.15	19	14	16	Sherman	Oct.	4	1937		2793
Mud (Beaver) Creek	Luther, Violet V.	Mason City	Luther Pump	Irrig.	.39	25	15	18	Custer	Oct.	4	1937		2794
Mud (Beaver) Creek	Banning, Roy J.	Mason City	Banning Pump	Irrig.	.40	33	15	17	Custer	Nov.	5	1937		2800

Mud (Beaver) Creek	West, Lyman and Schumacher, Mrs. Theo.	Mason City Lincoln	West Pump	Irrig.	.84	23	15	18	Custer	Nov.	16	1937		2802
Mud (Beaver) Creek	Sherbeck, Melvin H.	Ansley	Sherbeck Pump	Irrig.	.43	5	15	18	Custer	Sept.	14	1933		2884
Mud (Beaver) Creek	Glass, C. O.	Omaha	Glass Pump	Irrig.	.51	1	13	16	Sherman	Sept.	25	1939		2973
Mud (Beaver) Creek	Williams, Earl	Ansley	Williams Pump	Irrig.	.46	31	16	18	Custer	Nov.	10	1939		3015
Mud (Beaver) Creek	Engleman, L. A.	Litchfield	Engleman-Lewis Pump	Irrig.	.17	33	14	16	Sherman	Nov.	22	1939		3025
Mud (Beaver) Creek	Sherbeck, Clarence I.	Ansley	Sherbeck Pump	Irrig.	.54	15	15	18	Custer	Feb.	9	1940		3090
Mud (Beaver) Creek	Nelson, Charley A.	Litchfield	Nelson Pump	Irrig.	.23	11	14	17	Custer	Mar.	1	1940		3100
Mud (Beaver) Creek	Cooper, Bob C. and Anderson, John A.	Omaha Litchfield	Cooper-Anderson Pump	Irrig.	.53	28	14	16	Sherman	Mar.	12	1940		3115
Mud (Beaver) Creek	Mortensen, Pearl L.	Sweetwater	Mortensen Pump	Irrig.	.21	34	13	15	Sherman	Mar.	15	1940		3119
Mud (Beaver) Creek	Fisher, James H., Estate	Ravenna	Fisher Pump	Irrig.	.67	34	13	15	Sherman	Apr.	1	1940		3128
Mud (Beaver) Creek	Moody, Cleon M.	Ansley	Moody Pump	Irrig.	.40	5	15	18	Custer	May	13	1940		3157
Mud (Beaver) Creek	Chamberlin, W. C.	Mason City	Chamberlin Pump	Irrig.	.52	32	15	17	Custer	July	15	1940		3200
Mud (Beaver) Creek	Vopalensky, Jacob L.	Ravenna	Vopalensky Pump	Irrig.	.37	2	12	15	Buffalo	July	16	1940		3201
Mud (Beaver) Creek	Schulz, Martin	Ravenna	Schulz Pumps	Irrig.	1.02	7 12	12 12	14 15	Buffalo	July	18	1940		3205
Mud (Beaver) Creek	Talbot, V. C.	Broken Bow	Talbot Pump No. 2	Irrig.	.18	17	16	19	Custer	July	24	1940		3210
Mud (Beaver) Creek	Beranek, Louis	St. Michael	Beranek Pump	Irrig.	.09	8	12	14	Buffalo	July	24	1940		3213
Mud (Beaver) Creek	Jungles, Peter R.	Ravenna	Jungles Pump	Irrig.	.85	12	12	15	Buffalo	Aug.	10	1940		3229

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Mud (Beaver) Creek	Morris, E. O.	Ansley	Morris Pump	Irrig.	.87	9	15	18	Custer	Aug.	15	1940		3232
Mud (Beaver) Creek	Nelsen, Chris	Berwyn	Nelsen Pump	Irrig.	1.15	36	16	19	Custer	Sept.	3	1940		3249
Mud (Beaver) Creek	Niedt, Senate	Broken Bow	Niedt Pump	Irrig.		17	16	19	Custer	Sept.	10	1940		3259*
Mud (Beaver) Creek	Givens, Charles	Litchfield	Givens Pump	Irrig.	.40	35	14	16	Sherman	Jan.	2	1941		3361
Mud (Beaver) Creek	McFadden, Clyde	Litchfield	The Travelers Insurance Co. Pump	Irrig.	.44	12	13	16	Sherman	Jan.	15	1941		3369
Mud (Beaver) Creek	Mortensen, Irene	Sweetwater	Mortensen Pump	Irrig.	.22	27	13	15	Sherman	Jan.	18	1941		3370
Mud (Beaver) Creek	Talbot, V. C.	Broken Bow	Talbot Pump No. 3	Irrig.		17	16	19	Custer	Jan.	22	1941		3374*
Mud (Beaver) Creek	Farmers Mutual Insurance Co.	Lincoln	Farmers Mutual Insurance Co. Pump	Irrig.		2	14	17	Custer	Feb.	3	1941		3381*
Mud (Beaver) Creek	Zinnel, Herbert O., et al	Sweetwater	Zinnel-Schlueter Pump	Irrig.	.36	2	12	15	Buffalo	Feb.	13	1941		3389
Mud (Beaver) Creek	Muhlbach, Nora	Ravenna	Muhlbach Pump	Irrig.	.37	12	12	15	Buffalo	Mar.	2	1941		3407
Mud (Beaver) Creek	City of Ravenna	Ravenna	City Pump	Irrig.	.02	8	12	14	Buffalo	Mar.	17	1941		3415
Mud (Beaver) Creek	Grand Lodge Sons of Herman	Columbus	Luth Pump	Irrig.	.25	1	12	15	Buffalo	June	19	1941		3454
Mud (Beaver) Creek	Stevens, Howard B.	Broken Bow	Stevens Pump	Irrig.	.44	35	16	19	Custer	Aug.	5	1941		3480
Mud (Beaver) Creek	McNeil, Mary J.	Loup City	McNeil Pumps	Irrig.	.68	29	13	15	Sherman	Sept.	8	1941		3494
Mud (Beaver) Creek	Sielaff, F. R.	Ravenna	Sielaff Pump	Irrig.	.50	7	12	14	Buffalo	Feb.	16	1942		3552

Mud (Beaver) Creek, Ravine, Trib. to	Morris, E. O.	Ansley	Morris Reservoir	Irrig.	†18AF	9	15	18	Custer	Feb.	18	1941		3395
(Morris Res.)	Morris, E. O.	Ansley	Morris Res. Canal	Irrig.		9	15	18	Custer	Feb.	18	1941		3395
Munson Creek	Lassen, Niels P.	Elba	Lassen Pump	Irrig.	.50	1	15	12	Howard	Oct.	10	1929		2108
Oak Creek	Larson, L. E.	Dannebrog	Dannebrog Reservoir	Dom.		2	13	11	Howard	Sept.	16	1919		1556
Oak Creek	Krogh, Peter, et al	Omaha	Krogh Pump	Irrig.	.53	30	14	11	Howard	Mar.	5	1930		2126
Oak Creek	Village of Dannebrog	Dannebrog	Dannebrog Lake Res.	Fish	†58AF	2	13	11	Howard	Nov.	29	1937		2809
Oak Creek	Krogh, Peter	Omaha	Krogh Pump	Irrig.	.25	30	14	11	Howard	Sept.	26	1939		2976
Oak Creek	Lamb, Hertha J.	Farwell	Lamb Pump	Irrig.	.09	23	14	12	Howard	Mar.	22	1940		3122
Oak Creek	Hatt, Hans N.	Dannebrog	Oak Creek Canal	Irrig.	.39	2	13	11	Howard	Nov.	10	1941		3530
Otter Creek, Ravine, Trib. to	Judy, Roy B.	Miller	Judy Reservoir	Irrig.		18	12	18	Buffalo	Apr.	17	1941		3429*
Platte River	Fremont Canal and Power Company	Fremont	Fremont Canal	I. & P.	2500.00	30	17	4E	Butler	June	21	1895		40
Platte River	City of Omaha	Omaha	Fremont-Omaha Canal	Power	2000.00	30	17	4E	Butler	Mar.	25	1908		894
Platte River, Tributary to	Klosterman, H. F.	David City	Klosterman Canal	Irrig.	.43	9	16	2E	Butler	Oct.	9	1939		2582
Prairie Creek	Prochaska, Wm.	Palmer	Prochaska Pump	Irrig.	.53	25	16	5	Nance	Feb.	1	1941		3380
Qualsett Creek	Qualsett, Olaf	Petersburg	Qualsett Pump	Irrig.	.26	30	22	7	Boone	Apr.	19	1937		2733
Sand Creek	Steiger, Phillip J.	Callaway	Troyer Pump	Irrig.	.24	10	15	23	Custer	Feb.	21	1916		1447
Shady Lake	Smith, Adam	Columbus	Smith Pump	Irrig.	1.66	15	17	1	Platte	Feb.	2	1929		2907
Shell Creek	Schmitt, P., Estate	Columbus	Schmitt Canal	Irrig.	2.29	19	18	1E	Platte	Dec.	17	1894	292a	
Shell Creek	Schmitt, P., Estate	Columbus	Schmitt Canal	Power	30.50	19	18	1E	Platte	Dec.	17	1894	292b	
Shell Creek	Gottberg, Max	Columbus	Gottberg Canal	Irrig.	1.00	24	18	1	Platte	June	6	1895		2
Shell Creek	Arndt, Edward	Platte Center	Arndt Pump	Irrig.	2.21	24	18	2	Platte	July	31	1936		2603
Shell Creek	Herde, Phillip	Schuyler	Herde Pump	Irrig.	.39	34	18	3E	Colfax	Sept.	28	1936		2642

*Application pending.
†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-A —Concluded

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Shell Creek	Wolfe, John H.	Schuyler	Wolfe Pump	Irrig.	.46	28	18	3E	Colfax	Aug.	9	1937		2771
Shell Creek	Herde, Phillip	Schuyler	Herde Pump	Irrig.	.25	34	18	3E	Colfax	Sept.	10	1937		2782
Shell Creek	Carrig, C. J.	Columbus	Carrig Pump	Irrig.	2.36	30	18	1	Platte	Sept.	14	1937		2787
Shell Creek	Kavan, Emil L.	Schuyler	Kavan Pump	Irrig.	.48	29	18	3E	Colfax	Nov.	1	1937		2798
Shell Creek	Marohn, Herman, et al	Schuyler	Marohn Pump	Irrig.	.64	23	18	2E	Colfax	Dec.	10	1937		2814
Shell Creek	Kluck, Rose	Richland	Kluck Pump	Irrig.	.48	13	18	2	Platte	Dec.	18	1937		2815
Shell Creek	Bailey, John C.	Schuyler	Bailey Pump	Irrig.	1.69	1	17	3E	Colfax	May	6	1938		2871
Shell Creek	Krivohlavek, John F.	Schuyler	Krivohlavek Pump	Irrig.	1.10	35	18	3E	Colfax	Apr.	29	1939		2918
Shell Creek	Bailey, T. O.	Schuyler	Bailey Pump	Irrig.	.69	12	17	3E	Colfax	May	19	1939		2923
Shell Creek	Kolouch, Fred G.	Schuyler	Kolouch Pump	Irrig.	1.06	22	18	2E	Colfax	May	24	1939		2925
Shell Creek	Hughes, Frank M., Estate	Schuyler	Hughes Pump	Irrig.	1.99	1	17	3E	Colfax	June	17	1939		2929
Shell Creek	Schmid, Adam	Columbus	Schmid Pump	Irrig.	1.09	19	18	2E	Colfax	July	28	1939		2941
Shell Creek	Klug, Arthur and Emil	Columbus	Klug Pump	Irrig.	.26	24	18	1E	Platte	July	29	1939		2943
Shell Creek	De Bower, Garrett A.	Schuyler	De Bower Pump	Irrig.	.44	30	18	3E	Colfax	July	31	1939		2944
Shell Creek	Lusche, G. W.	Columbus	Lusche Pumps	Irrig.	.51	14	18	1E	Platte	Oct.	26	1939		2997
						23	18	1E						
Shell Creek	Heibel, Julius	Columbus	Heibel Pump	Irrig.	.37	22	18	1E	Platte	Nov.	6	1939		3009
Shell Creek	Heibel, Julius	Columbus	Heibel Pump No. 2	Irrig.	.41	22	18	1E	Platte	Nov.	21	1939		3023
Shell Creek	Gossman, Charles A.	Platte Center	Gossman Pump	Irrig.	.47	19	18	1	Platte	Nov.	22	1939		3028
Shell Creek	Heibel, Carl	Columbus	Heibel Pump	Irrig.	.21	24	18	1E	Platte	Dec.	1	1939		3035
Shell Creek	Mastny, Anton, Sr.	Schuyler	Mastny Pump	Irrig.	.90	35	18	3E	Colfax	Jan.	20	1940		3080
Shell Creek	Krivohlavek, John F.	Schuyler	Krivohlavek Pump	Irrig.	.10	35	18	3E	Colfax	Mar.	31	1941		3420
Shell Creek	Horejsi, Milo	Schuyler	Horejsi Pump	Irrig.	.50	9	17	4E	Colfax	Apr.	2	1941		3424
Shell Creek	Lightner, Louis	Columbus	Lightner Pump	Irrig.	.48	14	18	2	Platte	Sept.	9	1941		3496
Shell Creek	Haidley, Charles	Schuyler	Haidley Pump	Irrig.	.23	8	17	4E	Colfax	Dec.	24	1941		3541
Shell Creek	Federal Farm Mortgage Corporation	Omaha	Federal Farm Mortgage Corporation Pump	Irrig.		23	18	1E	Platte	Apr.	6	1942		3561
Skull Creek	Dawson, H. H.	Linwood	Dawson Pump	Irrig.	1.18	26	17	4E	Butler	Nov.	20	1939		3022
Spring Branch	Milldale Farm and Live Stock Impr. Co.	Council Bluffs, Ia.	Haskill Canal	Irrig.	7.00	31	17	24	Custer	Feb.	27	1914		1357

Spring Branch (Dutchman Cr.)	Talbot, V. C.	Broken Bow	Talbot Pump No. 1	Irrig.	.12	17	16	19	Custer	July	24	1940	—	3211
Spring Creek	Hendryx, H. J.	Monroe	Hendryx Canal	Irrig.	1.33	2	17	3	Platte	June	25	1894	290	—
Spring Creek	Laursen, Rasmus	Cushing	Laursen Pump	Irrig.	.26	32	16	9	Howard	Oct.	23	1940	—	3306
Springs	State Game and Parks Commission	Lincoln	Ravenna State Lake	Resort	†80AF	9	12	14	Buffalo	Sept.	15	1939	—	2964
Springs	Ash, Silas	Comstock	Ash Pump	Irrig.	.34	13	19	18	Custer	Dec.	11	1939	—	3044
Timber Creek	Hoffman, F. A.	Belgrade	Hoffman Pump	Irrig.		21	17	7	Nance	Dec.	9	1940	—	3346*
Tucker Creek	Pressey, H. E.	Oconto	Maples Canal	Irrig.	.97	9	14	21	Custer	Sept.	13	1934	—	2475
Turkey Creek	Mortensen, M. C.	Dannebrog	Mortensen Reservoir	Irrig.	†6.25AF	21	14	11	Howard	Aug.	31	1931	—	2232
(Mortensen Reservoir)	Mortensen, M. C.	Dannebrog	Mortensen Canal	Irrig.		21	14	11	Howard	Aug.	31	1931	—	2251
Turkey Creek	Federal Land Bank	Omaha	Miller Reservoir	Irrig.	†600AF	35	14	11	Howard	Jan.	20	1934	—	2356
(Miller Res.)	Federal Land Bank	Omaha	Miller Res. Canal	Irrig.		35	14	11	Howard	Jan.	20	1934	—	2476
Turkey Creek	McKoski, Joe	Dannebrog	McKoski Pump	Irrig.	.24	20	14	11	Howard	Aug.	26	1937	—	2778
Victoria Creek	Myers, Perry	Anselmo	Victoria Canal No. 1	Irrig.	.71	1	19	21	Custer	Mar.	17	1894	210	—
													212	—
Victoria Creek	Victoria Ditch Ass'n	Broken Bow	Victoria Canal No. 2	Irrig.	8.88	1	19	21	Custer	July	17	1894	213	—
Victoria Creek	Laughran, Michael	Melburn	Laughran and Bell Canal	Irrig.	.31	3	19	21	Custer	Sept.	22	1894	217	—
Victoria Creek	Myers, Perry A.	Anselmo	Victoria Canal No. 1 Extension	Irrig.	1.51	1	19	21	Custer	Aug.	5	1926	—	1843
Victoria Creek	Victoria Ditch Ass'n	Broken Bow	Victoria Canal No. 2	Irrig.	1.01	1	19	21	Custer	Aug.	12	1926	—	1845
						6	19	20						
Victoria Creek	McGraw, Chas.	Broken Bow	McGraw Canal	Irrig.	2.95	6	19	20	Custer	July	23	1927	—	1945
Victoria Creek	McGraw, Chas.	Broken Bow	McGraw Canal	Irrig.	2.86	6	19	20	Custer	Aug.	6	1928	—	2023
Victoria Creek	McGraw, Chas.	Broken Bow	McGraw Pump	Irrig.	.80	6	19	20	Custer	June	4	1934	—	2398
Wagner Creek	Leui, Joseph	Comstock	Leui Pump	Irrig.	.82	3	18	17	Custer	July	18	1939	—	2935
Wiggle Creek	May, J. H.	Callaway	Morrison Pump	Irrig.	.30	3	15	23	Custer	Oct.	17	1928	—	2045
Woten Creek	Johnson, Emil	Rockville	Travelers Ins. Company Pump	Irrig.	.49	6	13	13	Custer	Oct.	14	1940	—	3293

†Reservoir capacity alleged by applicant.
*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-B

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Battle Creek	Hohenstein, Emma and Tomhagen, Ida	Battle Creek	Battle Creek Mills	Power	10.67	36	24	2	Madison	Nov.	12	1898		484
Battle Creek	Hohenstein, Emma and Tomhagen, Ida	Battle Creek	Battle Creek Mills	Power	20.00	36	24	3	Madison	Apr.	20	1906		818
Battle Creek	Lucht, Mary	Battle Creek	Lucht Pump	Irrig.	.59	12	23	3	Madison	Oct.	20	1939		2994
Battle Creek	Bierman, Herbert	Battle Creek	Bierman Pump	Irrig.	.64	14	23	3	Madison	Nov.	4	1939		3006
Battle Creek	Eyl, Carl	Battle Creek	Eyl Pump	Irrig.	.46	12	23	3	Madison	Nov.	8	1939		3012
Battle Creek	Lewis, Emma S.	McLean, Va.	Lewis Pump	Irrig.	.54	12	23	3	Madison	Nov.	22	1939		3026
Battle Creek	Bierman, Erich	Battle Creek	Bierman-Ryan Pump	Irrig.	.32	12	23	3	Madison	Dec.	11	1939		3042
Buffalo Creek	Lewis, Sylvester	Meadow Grove	Lewis Pump	Irrig.	.79	23	24	4	Madison	Nov.	9	1936		2655
Buffalo Creek	Lewis, Sylvester	Meadow Grove	Lewis Pump	Irrig.	.48	23	24	4	Madison	Oct.	26	1939		3000
Camp Creek	Pinney, E. R.	Lincoln	Pinney Pump	Irrig.	.50	25	11	8E	Lancaster	Nov.	22	1939		3024
Cedar Creek	Carlson, C. A.	Elgin	Carlson Pump	Irrig.	.15	3	23	6	Antelope	Mar.	17	1937		2716
Cedar Creek	Johnson Brothers	Oakdale	Johnson Pump	Irrig.	.41	11	24	6	Antelope	Oct.	10	1938		2891
Cedar Creek	Ofe Brothers	Oakdale	Ofe Pump	Irrig.	.09	1	24	6	Antelope	Dec.	27	1938		2904
Cedar Creek	Cram, V. S.	Oakdale	Cram Pump	Irrig.	.04	12	24	6	Antelope	Mar.	1	1939		2911
Cedar Creek	Michaelson, Peter, Estate	Tilden	Michaelson Pump	Irrig.	.23	10	23	6	Antelope	Oct.	16	1939		2987
Cedar Creek	Mills, G. O.	Tilden	Mills Pump	Irrig.	.18	3	23	6	Antelope	Oct.	18	1939		2991
Cedar Creek	Hunter, G. W.	Oakdale	Hunter Pump	Irrig.	.86	12	24	6	Antelope	May	25	1940		3166
Cedar Creek	Clemensen, Lulu and George	Oakdale	Clemensen Pump	Irrig.	.06	15	24	6	Antelope	Oct.	14	1940		3295
Clear Creek	Lyons Drainage Dist.	Lyons	Main Ditch No. 1	Drain		14	23	8E	Burt	Mar.	9	1911		1069
Clear Creek	Gilmore, E. L. C.	Ashland	Gilmore Canal	Irrig.	.86	35	13	9E	Saunders	Aug.	10	1927		1950
Clearwater Cr.	Thiele, Carl J.	Clearwater	Thiele Pump	Irrig.	.46	26	25	9	Holt	Dec.	12	1939		3048

Clearwater Cr.	McDonald, Charles W.	Ewing	McDonald Pump	Irrig.	.29	33	25	9	Holt	Dec.	18	1939	.....	3055
Clearwater Cr.	Schrunk, Mabel E.	Atkinson	Schrunk Pump	Irrig.	.39	14	24	10	Wheeler	Sept.	25	1940	.....	3275
Dee Creek	Hilt, Peter, Jr.	Waverly	Hilt Pump	Irrig.	1.72	7	11	9E	Cass	June	12	1933	.....	2326
Dog (Dog Town) Creek	Beckman, John	Wayne	Beckman Pump	Irrig.	.63	6	26	4E	Wayne	Aug.	15	1936	.....	2613
Dry Gully	Scott, R. D.	Lincoln	Scott Reservoir	Irrig.	†72AF	22	12	5E	Lancaster	Dec.	7	1936	.....	2669
(Scott Res.)	Scott, R. D.	Lincoln	Scott Pump	Irrig.		22	12	5E	Lancaster	Dec.	7	1936	.....	2762
Elkhorn River	Interstate Power Co.	Dubuque, Ia.	Atkinson Mill	Power	38.50	30	30	14	Holt	Nov.	1	1883	271	.....
Elkhorn River	Elkhorn Irrig. Co.	O'Neill	Elkhorn Canal	Irrig.	131.43	22	29	13	Holt	Feb.	3	1894	259	.....
													263	.....
Elkhorn River	Davis, Jos.	O'Neill	Davis Canal	Irrig.	1.43	31	29	11	Holt	Feb.	8	1894	260	.....
Elkhorn River	Carlon, Thos.	O'Neill	Carlon Canal No. 1	Irrig.	1.00	32	29	11	Holt	Feb.	8	1894	261	.....
Elkhorn River	Carlon, Thos.	O'Neill	Carlon Canal No. 2	Irrig.	5.00	30	29	11	Holt	Feb.	8	1894	262	.....
Elkhorn River	Cain, N. E., et al.	O'Neill	Cain Canal	Irrig.	5.00	32	29	11	Holt	Feb.	20	1895	283	.....
Elkhorn River	Ross, Chas. P.	Omaha	Platte River Plant	Power	500.00	14	15	10E	Douglas	Nov.	24	1909	.....	971
Elkhorn River	Neligh, W. T. S.	West Point	West Point Plant	Power	400.00	18	22	6E	Cuming	Dec.	26	1912	.....	1250
Elkhorn River	Sibberson Brothers	Omaha	Sibberson Canal	Irrig.	2.50	10	29	14	Holt	Sept.	5	1925	.....	1779
Elkhorn River	Eubank, C. W.	Kearney	Eubank Pump	Irrig.	.79	10	25	7	Antelope	July	5	1934	.....	2416
Elkhorn River	Heitzman, Herman	West Point	Heitzman Pump	Irrig.	.31	21	22	6E	Cuming	Mar.	16	1935	.....	2528
Elkhorn River	McGuire, F. V.	Wisner	McGuire Pump	Irrig.	1.21	32	24	4E	Cuming	Aug.	14	1936	.....	2612
Elkhorn River	Collins, John M.	West Point	Collins Pump	Irrig.	.39	22	22	6E	Cuming	Aug.	31	1936	.....	2630
Elkhorn River	Dwyer, Geo. F.	Waterloo	Dwyer Pump	Irrig.	.08	10	15	10E	Douglas	Sept.	22	1936	.....	2641
Elkhorn River	J. C. Robinson Real Estate Co.	Waterloo	Evergreen Pump	Irrig.	1.10	3	15	10E	Douglas	Nov.	5	1936	.....	2653
Elkhorn River	Torbert, F. B., Estate	Norfolk	Torbert Pump	Irrig.	.09	36	24	2	Madison	Dec.	21	1936	.....	2674
Elkhorn River	Rozmarin, Joseph R.	Stanton	Rozmarin Pump	Irrig.	.05	13	23	2E	Stanton	Mar.	1	1937	.....	2704
Elkhorn River	Brink, Orris	Oakdale	Brink Pump	Irrig.	.82	8	24	5	Antelope	June	4	1937	.....	2750
Elkhorn River	Feldhahn, Albert	Norfolk	Feldhahn Pump	Irrig.	.69	6	23	1E	Stanton	July	30	1937	.....	2767
Elkhorn River	Steward, J. B.	Tilden	Steward Pump	Irrig.	.69	15	24	4	Madison	Mar.	18	1938	.....	2850
Elkhorn River	Sunderland, John E.	Omaha	Sunderland Pump	Irrig.	1.86	34	15	10E	Douglas	Apr.	4	1938	.....	2860
Elkhorn River	Bauermeister, C. H.	Battle Creek	Bauermeister Pump	Irrig.	.88	30	24	2	Madison	Sept.	28	1939	.....	2977
Elkhorn River	Flesner, William and Unkel, Albert	Battle Creek	Flesner-Unkel Pump	Irrig.	3.14	29	24	2	Madison	Oct.	11	1939	.....	2983

†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-B—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Elkhorn River	O'Brien, James, et al	Tilden	O'Brien Pump	Irrig.	.76	4	24	5	Antelope	Oct.	18	1939		2990
Elkhorn River	Freiberg, Harry	Stanton	Freiberg Pump	Irrig.	.56	8	23	3E	Stanton	Nov.	10	1939		3016
Elkhorn River	Dworak, Mary	Oakdale	Dworak Pump	Irrig.	.72	1	24	6	Antelope	Nov.	29	1939		3033
Elkhorn River	Boldt, William, Jr.	Stanton	Boldt Pump	Irrig.	.27	29	23	2E	Stanton	Dec.	13	1939		3050
Elkhorn River	Eggers, Elman	Tilden	Eggers Pump	Irrig.	.64	11	24	5	Antelope	Dec.	19	1939		3061
Elkhorn River	Zimmerer, Joe	Humphrey	Zimmerer-Schafer Pump No. 1	Irrig.	.40	17	23	3E	Stanton	Jan.	2	1940		3069
Elkhorn River	Martensen, Peter	Oakdale	Martensen Pump	Irrig.	.42	8	24	5	Antelope	Jan.	9	1940		3073
Elkhorn River	Childs, F. A.	Oakdale	Childs Pump	Irrig.	.21	3	24	5	Antelope	Mar.	4	1940		3102
Elkhorn River	Idlewild Farm Co	Fremont	Idlewild Pump	Irrig.	.81	29	18	9E	Dodge-Washington	May	10	1940		3155
Elkhorn River	Emerson, R. A.	Oakdale	Emerson Pump	Irrig.	.09	1	24	6	Antelope	Feb.	14	1941		3391
Elkhorn River	Wittwer, Joe	Tilden	Wittwer Pump	Irrig.	.38	3	24	5	Antelope	Mar.	5	1941		3409
Elkhorn River	Dworak, Mary	Oakdale	Dworak Pump	Irrig.	.20	1	24	6	Antelope	Mar.	19	1941		3416
Elkhorn River	Werner, Fred C.	Meadow Grove	Werner Pump	Irrig.	1.10	24	24	4	Madison	Nov.	18	1941		3532
Elkhorn River Springs, Trib. to (Childs Res.)	Childs, F. A.	Oakdale	Childs Reservoir	Irrig.	†102AF	3	24	5	Antelope	Mar.	4	1940		3101
	Childs, F. A.	Oakdale	Childs Res. Canal	Irrig.		3	24	5	Antelope	Mar.	4	1940		3125
Elkhorn River, North Fork	Norfolk Cereal Flour Mills	Norfolk	Norfolk Cereal and Flour Mill	Power	100.00	23	24	1	Madison	Mar.	1	1870	996	
Elkhorn River, North Fork	Shurtleff, R. J.	Norfolk	Warfield Pump	Irrig.	1.03	15	24	1	Madison	June	15	1929		2085
Elkhorn River, North Fork	Stahl, Carl C.	Norfolk	Stahl Pump	Irrig.	.42	10	24	1	Madison	Aug.	17	1933		2343
Elkhorn River, North Fork	Hagel, Robert A.	Norfolk	Hagel Pump	Irrig.	.50	15	24	1	Madison	Sept.	12	1934		2474
Elkhorn River, North Fork	Bathke, Robert	Norfolk	Bathke Pump	Irrig.	.02	22	24	1	Madison	Apr.	4	1935		2533
Elkhorn River, North Fork	Shurtleff, R. J.	Norfolk	Warfield Pump	Irrig.	.53	15	24	1	Madison	May	2	1936		2577

Elkhorn River, North Fork and Dry Cr.	Chilvers, C. H.	Pierce	Chilvers Pumps	Irrig.	5.91	9	26	2	Pierce	July	14	1936	—	2588
						10	26	2						
						15	26	2						
Elkhorn River, North Fork	Werner, John	Norfolk	Werner Pump	Irrig.	.56	26	24	1	Madison	July	24	1936	—	2597
Elkhorn River, North Fork	Kolterman, Erwin	Pierce	Kolterman Pump	Irrig.	1.89	15	26	2	Pierce	July	30	1936	—	2602
Elkhorn River, North Fork	Koehler, Walter	Osmond	Koehler Pump	Irrig.	.70	19	27	2	Pierce	Aug.	13	1936	—	2611
Elkhorn River, North Fork	Doughty, L. H.	Norfolk	Doughty Pump	Irrig.	.24	26	24	1	Madison	Nov.	18	1936	—	2661
Elkhorn River, North Fork	Kirchmann, Christian C.	Pierce	Kirchmann Pump	Irrig.	.01	26	26	2	Pierce	Dec.	11	1936	—	2670
Elkhorn River, North Fork	Kluender, Bertha and Riggart, Mrs. M.	Norfolk	Kluender-Riggart-Stewart Pump	Irrig.	.21	22	24	1	Madison	May	25	1937	—	2747
Elkhorn River, North Fork	Richter, Herman	Norfolk	Richter Pump	Irrig.	.43	36	24	1	Madison	Apr.	27	1938	—	2865
Elkhorn River, North Fork	U. S. Forest Service	Grand Island	Norfolk Nursery Pumps	Irrig.	.15	26	24	1	Madison	May	26	1938	—	2875
					.29	26	24	1	Madison	May	26	1938	—	2875R
Elkhorn River, North Fork	Hecker, Ida D.	San Diego, Calif.	Hecker Pump	Irrig.	1.05	28	25	1	Pierce	Nov.	20	1939	—	3021
Elkhorn River, North Fork	Meierhenry, Fred	Haskins	Meierhenry Pump	Irrig.	.18	33	25	1	Pierce	Dec.	11	1939	—	3043
Elkhorn River, North Fork	Brown, Willard H.	Norfolk	Brown Pump	Irrig.	1.25	36	24	1	Madison	Mar.	8	1940	—	3110
Elkhorn River, North Fork	Baksa, Joseph	Norfolk	Baksa Pump	Irrig.	.22	26	24	1	Madison	Mar.	18	1940	—	3121
Elkhorn River, North Fork	Cook, Ethel Toll	Norfolk	Cook Pump	Irrig.	.08	26	24	1	Madison	Feb.	19	1941	—	3398
Elkhorn River, South Fork	Rothleuter, Albert	Ewing	Flour Mills	Power	33.00	2	26	9	Holt	Aug.	21	1898	—	464
Giles Creek	Young, Russell	Tilden	Young Pump	Irrig.	.62	13	24	5	Antelope	Nov.	24	1936	—	2663
Ground Water	Reynolds, B. W.	Fremont	Reynolds Well	Irrig.		3	17	8E	Dodge	Nov.	13	1940	—	3329*
Ground Water	Reynolds, Wilson B. and Cassius J.	Fremont	Reynolds Well	Irrig.		33	18	8E	Dodge	Feb.	4	1941	—	3382*

†Reservoir capacity alleged by applicant.
"R" Denotes relocation.
*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-B—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Holt Creek	Schermerhorn, Francis D.	Omaha	Schermerhorn Canal	Irrig.	1.39	5	28	13	Holt	May	9	1941		3441
Knebel-Pofahl Lake	Knebel, Ernest H.	Norfolk	Knebel Pump	Irrig.	.27	2	23	1	Madison	Nov.	20	1939		3020
Knebel-Pofahl Lake	Knebel, Sophia	Norfolk	Sophia Knebel Pump	Irrig.	.35	2	23	1	Madison	Feb.	17	1940		3092
Logan Creek (Oakland Dr.)	Johnson, Harry G.	Oakland	Johnson Pump	Irrig.	1.71	35	22	8E	Burt	Feb.	20	1931		2192
Logan Creek (Oakland Dr.)	Johnson, J. A.	Oakland	Johnson Pump	Irrig.	.92	36	22	8E	Burt	Sept.	10	1931		2236
Logan Creek	Havekost, Bernard	Hooper	Havekost Pump	Irrig.	.37	33	20	8E	Dodge	July	10	1936		2586
Logan Creek	Meyer, Sophie H.	Hooper	Meyer Pump	Irrig.	1.41	16	20	8E	Dodge	July	24	1936		2595
Logan Creek	Schole, George H.	Hooper	Schole Pump	Irrig.	.38	32	20	8E	Dodge	July	24	1936		2596
Logan Creek	Uehling, Orville T.	Uehling	Uehling Pump	Irrig.	.26	3	20	8E	Dodge	July	25	1936		2598
Logan Creek	Meyer, Wm. J.	Bancroft	Meyer Pump	Irrig.	1.33	26	24	7E	Cuming	July	27	1936		2599
Logan Creek (Oakland Dr.)	Kuhlman, John D. G. and Von Essen, Herman	Oakland	Von Essen Pump	Irrig.	.70	14	21	8E	Burt	Aug.	1	1936		2604
Logan Creek	Hoegermeyer, Otto	Hooper	Hoegermeyer Pump	Irrig.	.69	33	20	8E	Dodge	Aug.	17	1936		2615
Logan Creek	Golder, J. S.	Oakland	Golder Pump	Irrig.	.14	3	20	8E	Dodge	Aug.	26	1936		2624
Logan Creek (Pender Dr.)	Novak, Victor	Pender	Novak Pump	Irrig.	.78	36	25	6E	Thurston	Sept.	2	1936		2632
Logan Creek	Havekost, William	Hooper	Havekost Pump	Irrig.	.43	29	20	8E	Dodge	Nov.	12	1936		2659
Logan Creek (Bancroft Dr.)	Ronnenkamp, William	Bancroft	Ronnenkamp Pump	Irrig.	.26	26	24	7E	Cuming	Dec.	26	1936		2675
Logan Creek	Hall, D.	Wayne	Hall Pump	Irrig.	.08	13	26	3E	Wayne	Jan.	28	1937		2688
Logan Creek	Lincoln Joint Stock Land Bank	Lincoln	Beckenhauer Pump	Irrig.	.95	9	24	7E	Cuming	Feb.	12	1937		2697
Logan Creek (Pender Dr.)	Burmester, H. H.	Pender	Burmester Pump	Irrig.		16	25	6E	Thurston	Mar.	2	1937		2707

Logan Creek	Jordan & Moodie	Bancroft	Moodie-Jordan Pump	Irrig.	1.42	22	24	7E	Cuming	Mar.	9	1937	—	2712
Logan Creek	Von Essen, Mrs. Marie K.	Oakland	Uehling Pump	Irrig.	.26	3	20	8E	Dodge	Mar.	13	1937	—	2714
Logan Creek	Ross, Albert T.	Bancroft	Ross Pump	Irrig.	.76	15	24	7E	Cuming	May	4	1937	—	2739
Logan Creek (Lyons Dr.)	Roscoe, Irving G.	Lyons	Roscoe Pump	Irrig.	1.04	23	23	8E	Burt	Oct.	5	1937	—	2795
Logan Creek (Bancroft Dr.)	Hughes, Helen M.	Gretna	Hughes Pump	Irrig.	.64	32	24	8E	Thurston	July	28	1939	—	2942
Logan Creek (Bancroft Dr.)	Samson, Kenneth	Bancroft	Samson Pump	Irrig.	.35	23	24	7E	Cuming	Aug.	4	1939	—	2947
Logan Creek (Lyons Dr.)	White, H. S.	Lyons	White Pump	Irrig.	.97	2	23	8E	Burt	Sept.	6	1939	—	2959
Logan Creek (Bancroft Dr.)	Kratochvil, Vaclaw	Bancroft	Kratochvil Pump	Irrig.	1.73	22	24	7E	Cuming	Sept.	12	1939	—	2963
Logan Creek (Pender Dr.)	Hilker, John	Pender	Hilker Pumps	Irrig.	.66	5 6	25 25	7E 7E	Cuming	Sept.	20	1939	—	2966
Logan Creek (Pender Dr.)	Branham, Ruth E.	Omaha	Barton Pump	Irrig.	.49	22	25	6E	Thurston	Dec.	18	1939	—	3057
Logan Creek (Pender Dr.)	John Hancock Mutual Life Insurance Co.	Sioux City, Ia.	Zvacek Pump	Irrig.	.96	22	25	6E	Thurston	Jan.	8	1940	—	3072
Logan Creek (Logan Dr.)	Bradford, Richard	Winnebago	Bradford-Kinney Pump	Irrig.	.49	25	26	5E	Thurston	Apr.	15	1940	—	3135
Logan Creek (Logan Dr.)	Collins, Helen	Wakefield	Collins Pump	Irrig.	.20	36	27	4E	Dixon	Apr.	18	1940	—	3139
Logan Creek (Logan Dr.)	Mason, Wm	Laurel	Mason Pump	Irrig.	.71	3	28	3E	Cedar	June	17	1940	—	3181
Maple Creek	Luther, Howard J.	Nickerson	Luther Pump	Irrig.	2.72	10	18	8E	Dodge	Dec.	19	1934	—	2500
Maple Cr., East	Kovarik, Joseph F.	Howells	Kovarik Pump	Irrig.	.36	10	19	4E	Colfax	Aug.	7	1939	—	2949
Maple Cr., East	Svoboda, Milo	Dodge	Svoboda Pump	Irrig.	.96	15	19	4E	Colfax	Aug.	16	1939	—	2952
Maple Creek, Middle Fork	Janecek, James	Schuyler	Janecek Pump	Irrig.	.26	13	19	3E	Colfax	Jan.	18	1940	—	3077
Middle Creek	Malone, Robert	Lincoln	Malone Ice Plant	Ice	10.00	30	10	6E	Lancaster	Dec.	26	1907	—	883

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-B—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Middle Creek	Ivers, Claude B.	Lincoln	Ivers Pump	Irrig.	.26	28	10	6E	Lancaster	Jan.	7	1938	----	2823
Middle Creek	Lilly, Richard J.	Lincoln	Lilly Pump	Irrig.	.73	28	10	6E	Lancaster	Dec.	26	1939	----	3068
Oak Creek	Eiche, Herman	Lincoln	Eiche Plant	Irrig.	.71	17	10	6E	Lancaster	Jan.	4	1899	----	489
Oak Creek	Cheney, E. J.	Lincoln	Cheney Pump	Irrig.	.45	8	10	6E	Lancaster	Feb.	6	1929	----	2069
Oak Creek	Hanich, Edward	Lincoln	Hanich, Pump	Irrig.	.15	8	10	6E	Lancaster	Nov.	21	1929	----	2115
Oak Creek	Clark, Arthur	Lincoln	Clark Pump	Irrig.	.14	17	10	6E	Lancaster	Apr.	11	1930	----	2132
Oak Creek	Cheney, L. H.	McCook	Cheney Pump	Irrig.	.66	8	10	6E	Lancaster	Sept.	22	1931	----	2239
Oak Creek	Witmer, J. L.	Lincoln	Witmer Pump	Irrig.	.04	15	10	6E	Lancaster	Feb.	8	1933	----	2301
Oak Creek	Burcham, W. F.	Lincoln	Burcham Pump	Irrig.	1.73	20	11	6E	Lancaster	July	13	1934	----	2422
Oak Creek	Bennett, John R.	Lincoln	Bennett Pump	Irrig.	1.49	29	11	6E	Lancaster	Sept.	14	1936	----	2639
Pebble Creek	Dahl, John W.	Scribner	Dahl Pump	Irrig.	.46	6	19	7E	Dodge	July	17	1936	----	2589
Pebble Creek	Vakiner Brothers	West Point	Vakiner Pumps	Irrig.	1.63	34	20	5E	Dodge	Sept.	9	1936	----	2637
Pebble Creek	Gordon, George S.	Scribner	Gordon Pump	Irrig.	.18	35	20	6E	Dodge	Dec.	8	1939	----	3039
Pebble Creek	Dahl, Alex H.	Scribner	Dahl Pump	Irrig.	.57	36	20	6E	Dodge	Jan.	10	1940	----	3074
Platte River	Ross, Chas. P.	Omaha	Platte River Plant	Power	2500.00	6	14	10E	Douglas	Nov.	24	1909	----	970
Platte River	Parmlee and Rawls	Plattsmouth	Plattsmouth Plant	Power	2000.00	32	13	13E	Cass	Sept.	4	1914	----	1379
Rawhide Creek	Cowles, S. C.	Gridley, Kan.	Cowles Pump	Irrig.	.46	17	16	10E	Douglas	Aug.	7	1936	----	2606
Rawhide Creek	Hollingsworth, R. E.	Omaha	Hollingsworth Pump	Irrig.	.43	16	16	10E	Douglas	June	9	1937	----	2751
Rock Creek	Stark, Chris	Ceresco	Stark Pump	Irrig.	1.08	31	13	7E	Saunders	Aug.	6	1931	----	2225
Rock Creek	Jeffrey, Louis	Waverly	Jeffery Pump	Irrig.	.46	34	12	8E	Lancaster	May	12	1934	----	2382
Rock Creek	Armstrong, Charles and Landon, E. A.	Greenwood	Armstrong-Landon Pump	Irrig.	1.24	35	12	8E	Lancaster	Sept.	2	1939	----	2956
Rock Creek	Jeffrey, James and Louis	Waverly	Jeffrey Pump	Irrig.	.20	35	12	8E	Lancaster	Sept.	29	1939	----	2978
Rock Creek	Van Landingham, Claude	Lincoln	Van Landingham Pump	Irrig.	.50	25	13	6E	Saunders	Nov.	27	1939	----	3031

Ryans Creek	Elkhorn River Drainage District	Fremont	Cutoff "H"	Drain		4	17	9E	Dodge	Oct.	16	1909	—	966
Salt Creek	C. B. & Q. R. R. Co.	Lincoln	C .B. & Q. Supply	Dom.	2.00	3	9	6E	Lancaster	Sept.	20	1923	—	1722
Salt Creek	Rutherford, Frank	Hastings	Rutherford Pump	Irrig.	9.11	24	11	7E	Lancaster	July	1	1925	—	1766
Salt Creek	State Board of Control	Lincoln	Penitentiary Canal	Irrig.	3.00	11	9	6E	Lancaster	June	15	1926	—	1817
Salt Creek	Roper, C. H.	Lincoln	University Shooting Club	Resort		32	11	7E	Lancaster	July	29	1926	—	1837
Salt Creek	Splain, William F.	Lincoln	Splain-Bogan Pump	Irrig.	.11	25	9	6E	Lancaster	June	18	1934	—	2412
Salt Creek	Cropsey, Harry T.	Lincoln	Cropsey Pump	Irrig.	.72	26	9	6E	Lancaster	Dec.	8	1939	—	3040
Salt Creek	Cropsey, Harry T.	Lincoln	Cropsey Pump	Irrig.	.33	26	9	6E	Lancaster	May.	24	1940	—	3164
Sand Creek	Hudec, Joe	Wahoo	Wanahoo Park Res.	Fish	†12AF	3	14	7E	Saunders	July	25	1934	—	2442
Sand Creek	Dolezal, Edward	Wahoo	Dolezal Reservoir	Fish	†2.25AF	22	15	7E	Saunders	Aug.	1	1934	—	2452
Silver Creek	Game, Forestation & Parks Commission	Lincoln	Armour & Co. Res.	Ice	10.00	7	13	9E	Saunders	Oct.	18	1897	—	415
Silver Creek	Hanke, Herman	Ithaca	Hanke Pump	Irrig.	.50	35	14	8E	Saunders	July	23	1934	—	2436
Springs	Newton Land Co.	Omaha	Spring Branch Canal	Irrig.	.07	13	14	13E	Sarpy	June	18	1895	—	29
Springfield Cr.	Trumble, Floyd D.	Papillion	Trumble Pump	Irrig.	.55	36	13	11E	Sarpy	July	8	1937	—	2760
Stevens Creek	Moore, R. E.	Lincoln	Stevens Creek Canal	Irrig.	1.00	2	10	7E	Lancaster	Nov.	19	1913	—	1335
Taylor Creek	Leu, John	Madison	Leu Pump	Irrig.	.65	25	22	2	Madison	Aug.	19	1936	—	2619
Taylor Creek	Robertson, J. D.	Madison	Robertson Pump	Irrig.	.75	30	22	1	Madison	Oct.	30	1939	—	3002
Taylor Creek	Leu, George	Madison	Leu Pump	Irrig.	.26	25	22	2	Madison	Oct.	31	1940	—	3316
Union and Taylor Creeks	Brechler and Neeley	Madison	Union Valley Roller Mills	Power		32	22	1	Madison				998*	—
Union Creek	Krueger, Helen R.	Humphrey	Krueger Pump	Irrig.	.43	24	21	2	Madison	May	9	1934	—	2379
Union Creek	Steckelberg, Carl Frederic	Lincoln	Steckelberg Pump	Irrig.	2.33	31	22	1E	Stanton	Aug.	13	1934	—	2461
Union Creek	Omaha National Bank	Omaha	Fuchs Pump	Irrig.	.85	31	23	2E	Stanton	May	22	1936	—	2580
Union Creek	Christian Bros.	Madison	Christian Pump	Irrig.	1.68	32	22	1	Madison	Nov.	4	1936	—	2652
Union Creek	Mastny, Frank	Stanton	Mastny Pump	Irrig.	1.45	1	22	1E	Stanton	Nov.	9	1936	—	2656
Union Creek	Jacobsen, Chas. H.	Madison	Jacobsen Pump	Irrig.	.43	13	21	2	Madison	Mar.	20	1937	—	2720

†Reservoir capacity alleged by applicant.
*Claim not adjudicated.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-B —Concluded

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Union Creek	Long, Fred and Sons	Madison	Long Pump	Irrig.	.72	29	22	1E	Stanton	July	15	1937		2761
Union Creek	Luxa, Longin	Stanton	Luxa Pump	Irrig.	1.02	1	22	1E	Stanton	Aug.	29	1939		2954
Union Creek	Price, Willet J.	Wisner	Price Pump	Irrig.	.33	21	22	1E	Stanton	Sept.	8	1939		2960
Union Creek	Martin, J. E., et al	Madison	Martin Pump	Irrig.	.43	1	21	1	Madison	Oct.	26	1939		2998
Union Creek	Maurer, John F.	Madison	Maurer Pump	Irrig.	.39	35	21	2	Madison	Dec.	19	1939		3052
Union Creek	Martin, J. E., et al	Madison	Martin Pump	Irrig.	.07	1	21	1	Madison	May	2	1940		3146
Wahoo Creek	Wahoo Hunting Club	Lincoln	Ayr Lake	Resort	†160AF	28	13	9E	Saunders	Dec.	30	1930		2184
Wahoo Creek	Treptow, Herman	Ithaca	Treptow Pumps	Irrig.	1.43	20	14	8E	Saunders	July	25	1934		2444
						29	14	8E						
Wahoo Creek	Breyer, William F.	Ithaca	Breyer Pump	Irrig.	.96	29	14	8E	Saunders	Aug.	15	1934		2463
Wahoo Creek	Lanik, Joe L.	Wahoo	Lanik Pump	Irrig.	.64	8	14	7E	Saunders	May	6	1940		3150
Walz Lake	Walz, Dorothy C.	Battle Creek	Walz Pump	Irrig.	.17	22	24	3	Madison	Mar.	3	1937		2708
Willow Creek	Hetrick, Geo. J.	Pierce	Hetrick Pump	Irrig.	.05	26	26	4	Pierce	May	18	1937		2743
Willow Creek	Synovec, Fred	Pierce	Synovec Pump	Irrig.	.64	32	26	3	Pierce	June	19	1939		2931
Willow Creek	Askey, H. A.	Lincoln	Askey Pump	Irrig.		21	26	4	Pierce	July	24	1942		3461*
Zimmerer-Kuehn Lake	Zimmerer, Joe	Humphrey	Zimmerer-Schafer Pump No. 2	Irrig.	.48	17	23	3E	Stanton	Jan	16	1940		3076

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Abitz Creek	Fullerton, J. B.	Atkinson	Fullerton Canal No. 2	Irrig.	.36	18	30	13	Holt	Mar.	23	1896		278
Antelope Creek	Julian, A. R., et al	Gordon	Antelope Canal	Irrig.	.36	21	32	40	Cherry	June	29	1905		798
Antelope Creek	Louks, W. A.	Gordon	Louks Pump	Irrig.	.12	30	33	41	Sheridan	May	22	1933		2322
Antelope Creek	Green, M. E.	Gordon	Green Pump	Irrig.	.09	30	33	41	Sheridan	May	29	1934		2387
Ashburn Creek	Zilmer, W. H.	Valentine	Ashburn Canal	Irrig.	.43	27	34	26	Cherry	June	17	1902		676
Bear Creek	Skinner, Thomas	Springview	Skinner Canal	Irrig.	.23	15	32	21	Keya Paha	June	20	1888	609	
Bear Creek	Cederberg, P.	Springview	Cederberg Canals 1-2	Irrig.	.02	3	32	21	Keya Paha	Oct.	3	1898		479
Bear Creek	Woods Brothers Realty Company	Lincoln	Woods Brothers Canal	Irrig.	11.78	29	34	35	Cherry	Sept.	21	1928		2035
Bear Creek	Cole, D. Jason	Merriman	Cole Project	Irrig.	8.19	13	34	37	Cherry	Feb.	24	1932		2254
						14	34	37						
						7	34	36						
						8	34	36						
						10	34	36						
Bear Creek	Bates, Harold S.	Merriman	Bates Project	Irrig.	6.50	8	34	37	Cherry	July	12	1932		2276
						7	34	37						
						12	34	38						
Bear Creek	Bowring, Arthur	Merriman	Bar 99 Ranch Canal	Irrig.	.43	15	34	37	Cherry	Aug.	31	1932		2282
Bear Creek	Bowring Arthur	Merriman	Bar 99 Ranch Canal	Irrig.	.37	16	34	37	Cherry	Aug.	31	1932		2282R
Bear Creek	Bowring Arthur	Merriman	Bar 99 Ranch Canal	Irrig.	.47	8	34	37	Cherry	Feb.	9	1937		2696
Bear Creek	Bowring, Eva	Merriman	Bar 99 Ranch Canal	Irrig.	.13	16	34	37	Cherry	Dec.	8	1938		2898
Bear Creek	Bowring, Eva	Merriman	Bar 99 Ranch Canal	Irrig.	.65	16	34	37	Cherry	Oct.	31	1940		3321
Bear Creek	Game, Forestation and Parks Commission	Lincoln	Cottonwood Lake Res.	Fish		16	34	37	Cherry	Nov.	4	1941		3529*
Beeman Creek	Vargason, Orval	Riverview	Beeman Canal	Irrig.	1.00	23	32	20	Keya Paha	May	20	1892	620	
Beeman Creek	Barnard, C. O.	Springview	Barnard Canal	Irrig.	.43	21	32	20	Keya Paha	June	1	1892	603	
Big Sandy Cr.	Pickler, W. S.	Cody	Badger Canal	Irrig.	1.14	12	33	14	Holt	May	16	1902		667
Big Sandy Cr.	Johnson, C. A.	Butte	Badger Mill	Power	35.00	12	33	14	Holt	Aug.	28	1902		685

†Reservoir capacity alleged by applicant.
*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-C—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Black Bird Cr.	Mullen, A. F.	O'Neill	Mullen Canal	Irrig.	1.00	20	31	11	Holt	Aug.	18	1894	267	----
Blue Bird Cr.	Murphy, P.	O'Neill	Murphy Canal	Irrig.	1.00	26	30	11	Holt	Sept.	7	1894	273	----
Boardman Cr.	Bachelor, J. H.	Valentine	Bachelor Canal	Irrig.	27.29	33	30	32	Cherry	Jan.	17	1935	----	2506
Boardman Cr.	Bachelor, C. B.	Valentine	Bachelor Canal	Irrig.	9.17	31	30	32	Cherry	May	11	1939	----	2922
Bone Creek	Bailey, R. R.	Ainsworth	Bailey Pump	Irrig.	1.15	14	30	22	Brown	Jan.	29	1942	----	3549
Box Butte Cr.	Sandoz, Wm.	Marsland	Billys Canal	Irrig.	.21	29	29	45	Sheridan	Jan.	13	1900	----	533
Brush Creek	Nebraska Townsite Co.	Perry	Brush Creek Plant	Power	15.00	23	33	13	Holt	Sept.	28	1898	----	474
Brush Creek, East Branch	McCarthy, M. H.	O'Neill	McCarthy Canal No. 1	Irrig.	.50	24	32	14	Holt	July	1	1894	264	----
Brush Creek, West Branch	McCarthy, M. H. et al	O'Neill	McCarthy Canal No. 2	Irrig.	.64	26	32	14	Holt	Aug.	15	1894	266	----
Burton Creek	Mutz, Otto	Springview	Burton Creek Canal	Irrig.	.57	19	34	19	Keya Paha	June	30	1895	608b	----
Burton Creek	Mutz, Otto	Springview	One Trip Canal	Irrig.	.36	2	33	20	Keya Paha	Sept.	2	1895	----	142
Burton Creek	Horton, C. B. and F. T.	Springview	Placid Reservoir	Irrig.	†80AF	17	34	19	Keya Paha	Feb.	24	1941	----	3400
Burton Creek, Springs, Trib. to	Baker, Jno. D.	Burton	Pheasant Roost Res.	Fish	†12AF	5	34	19	Keya Paha	May	15	1940	----	3160
Canyon	Gilmore, Emery	So. Omaha	Gilmore Canal	Irrig.	14.29	36	30	54	Sioux	July	5	1907	----	863
Cedar Creek	McNamee, Leonard P.	Johnstown	Cedar Creek Canal	Irrig.	.43	4	30	24	Brown	Sept.	28	1910	----	1027

Coffey Lake, et al	Coffey Lake Drainage District	Valentine	Coffey Lake Ditch	Drain			33	39	Cherry	Nov.	22	1923	—	1729
							33	38						
Coon Creek (See Laughing Water Cr.)	Leonard, J. R.	Bassett	Leonard Pump	Irrig.	1.00	24	32	19	Rock	Aug.	17	1933	—	2344
Coon Creek	Leonard, J. R.	Bassett	J. R. Leonard Canal	Irrig.	1.14	24	32	19	Rock	Oct.	19	1940	—	3301
Coon Creek	Hughes, Joe	Bassett	Hughes Canal	Irrig.	.06	25	32	19	Rock	Oct.	21	1940	—	3302
Cottonwood Cr.	Morrissey, Tim	Hemingford	Morrissey Canal	Irrig.	.71	17	29	48	Dawes	Feb.	16	1895	481	—
Cottonwood Cr.	Fendrich and Lichte	Hemingford	Fendrich-Litchte Canal	Irrig.	.64	22	29	48	Dawes	May	9	1896	—	336
Cottonwood Cr.	Lichte, Hugo	Chadron	Dunlap Canal	Irrig.	.36	22	29	48	Dawes	July	18	1911	—	1113
Coyote Springs	Watson, Claude R.	Mitchell	Watson Canal	Irrig.	1.41	16	27	54	Sioux	July	7	1934	—	2418
Coyote Springs	Watson, Claude R.	Mitchell	Coyote Springs Res.	Irrig.	†15AF	16	27	54	Sioux	Apr.	1	1936	—	2572
(Coyote Springs Reservoir)	Watson, Claude R.	Mitchell	Coyote Springs Canal	Irrig.		16	27	54	Sioux	Apr.	1	1936	—	2579
Crooked Creek	Mutz, Otto	Springview	Mutz Canal	Power	3.00	20	34	19	Keya Paha	Dec.	31	1889	608a	—
Crooked Creek	Mutz, Otto	Springview	Mutz Canal	Irrig.	1.00	20	34	19	Keya Paha	June	30	1895	608b	—
Cross Creek	Hutchinson, W. H.	Norden	Hutchinson Canal	Irrig.	.21	8	33	24	Keya Paha	Sept.	1	1888	615	—
Cub Creek	Tissue and Patterson	Springview	Tissue-Patterson Canal	Irrig.	.03	16	33	22	Keya Paha	June	30	1894	618	—
Cub Creek	Josiassin, S.	Meadville	McComber Canal	Irrig.	.10	28	33	22	Keya Paha	Aug.	15	1894	589	—
Dry Creek	Christensen, Chris	Merriman	Dry Creek Canal	Irrig.	.41	18	34	38	Cherry	July	8	1935	—	2552
Dry Creek	Moreland, Grace E.	Merriman	Moreland Canal	Irrig.	.93	16	34	37	Cherry	May	22	1937	—	2745
Dry Creek	Game, Forestation and Parks Commission	Lincoln	Cottonwood Lake Res.	Fish		16	34	37	Cherry	Feb.	26	1942	—	3555*
Eagle Creek	Bokhof, Wm.	Atkinson	Bokhof Canal	Irrig.	2.86	6	30	13	Holt	Sept.	18	1894	275	—
Eagle Creek	Robertson, J. A.	Atkinson	Eagle Valley Canal	Irrig.	2.29	1	30	14	Holt	Mar.	15	1895	280	—
Eagle Creek, South Branch	Becker, Samuel	Atkinson	Becker Canal	Irrig.	1.14	8	30	13	Holt	Nov.	30	1894	274	—

†Reservoir capacity alleged by applicant,
*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-C—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Elk Creek	Lamb Brothers	Bassett	Lamb Canal	Irrig.	.01	6	31	19	Rock	Feb.	3	1934	----	2359
Elk Creek	Lamb Brothers	Bassett	Lamb Power Plant	Power	3.00	6	31	19	Rock	Feb.	3	1934	----	2360
Elk Creek	Koenig, Joe	Riverview	Pine Grove Res.	Fish	†1AF	8	31	19	Rock	Apr.	30	1934	----	2375
Fairfield Creek	Kuhre, Wm. M.	Johnstown	Kuhre Pond	Power	25.00	31	33	23	Brown	Sept.	1	1893	612a	----
Fairfield Creek	Kuhre, Wm. M.	Johnstown	Kuhre Canal	Irrig.	.14	31	33	23	Brown	June	1	1894	612b	----
Glencove Springs	Bakewell, Geo. G.	Johnstown	Glencove Canal	Irrig.	.86	26	33	24	Brown	Mar.	1	1911	----	1067
Gordon Creek	Wolfenden, C. R.	Kennedy	Lee Canal	Irrig.	6.86	6	29	33	Cherry	Apr.	25	1895	973	----
Gordon Creek (Hackberry Lake, et al)	Game, Forestation & Parks Commission	Lincoln	Hackberry Lake Supply Canal	Fish	†5000AF	7	30	29	Cherry	Oct.	18	1932	----	2289
Gordon Creek	Fawn Lake Ranch Co.	Rushville	Gordon Valley Res.	Irrig.	†95AF	3	28	39	Cherry	July	27	1940	----	3219
(Gordon Valley (Reservoir)	Fawn Lake Ranch Co.	Rushville	Gordon Valley Canal	Irrig.		3	28	39	Cherry	July	27	1940	----	3427
Gordon Creek	Young, Phylander H.	Simeon	Young Reservoir	Resort		24	32	29	Cherry	Sept.	9	1940	----	3258
Hay Creek	Johnson, K. T., Estate	Cody	Johnson Canal	Irrig.	.50	19	35	34	Cherry	June	21	1940	----	3187
Hay Creek	Douglas Realty Co.	Omaha	Hay Valley Canal	Irrig.	7.96	26	35	34	Cherry	Dec.	15	1941	----	3540
Hay Springs Cr.	Barnes, Walter J. and Phillips, Dwight	Hay Springs	Barnes and Phillips Reservoir	Irrig.	†12AF	8	31	46	Sheridan	Apr.	15	1935	----	2539
Hay Springs Cr.	Game, Forestation & Parks Commission	Lincoln	Walgren Lake Res.	Fish	†1280AF	29	31	45	Sheridan	May	20	1935	----	2549
Hay Springs Cr., North Branch	State Game and Parks Commission	Lincoln	Walgren Lake	Supple.	A-2549	19	31	45	Sheridan	Dec.	15	1939	----	3053

Heckel Creek	Metzger, Paul	Merriman	Metzger Project 1	Irrig.	.71	26	35	38	Cherry	Mar.	21	1938	—	2851
Heckel Creek	Metzger, Paul	Merriman	Metzger Project 2	Irrig.	.14	23	35	38	Cherry	Mar.	21	1938	—	2852
Holt Creek	Schoettger, F. J.	Burton	Schoettger Canal	Irrig.	.14	32	35	20	Keya Paha	Feb.	23	1895	595	—
Holt Cr., East	Akers, J. W.	Springview	Akers Canal	Irrig.	.14	1	34	21	Keya Paha	Aug.	1	1894	611	—
Horse Head Cr.	Bruce, A.	Norden	Bruce Canal	Irrig.	.17	16	33	24	Keya Paha	Sept.	7	1895	—	149
Horse Shoe Lake, et al	Horse Shoe Lake Drainage District	Irwin	Horse Shoe Ditch	Drain			13 34	40	Cherry	June	27	1916	—	1461
Horse Shoe Lake Drain Ditch	Game, Forestation & Parks Commission	Lincoln	Shell Lake Reservoir	Fish	†800AF	21	34	40	Cherry	June	14	1940	—	3180
Huggins Creek	Soper, H. K.	Burton	Soper Canal	Irrig.	.14	21	35	20	Keya Paha	Nov.	6	1894	592	—
Jewett Creek	Jewett, C. P.	Meadville	B. L. Canal	Irrig.	.71	5	32	21	Keya Paha	Oct.	23	1894	590	—
Keyapaha R.	Yocum, J. C.	Butte	Yocum Canal	Irrig.	1.14	23	34	15	Boyd	Sept.	7	1894	573	—
Keyapaha R.	Bruce, Andrew & Son	Naper	Bruce Roller Mills	Power	100.00	24	34	16	Boyd	Oct.	5	1903	—	729
Kibby Creek	Green, Martha J.	Hillside	Green Canal	Irrig.	.01	28	34	16	Boyd	Apr.	1	1904	—	747
Laughing Water Creek (See Coon Creek)	Leonard, J. R.	Bassett	Leonard Pump	Irrig.	.43	25	32	19	Rock	Aug.	17	1933	—	2344
Laughing Water Creek	Leonard, J. R. and Raymond S.	Bassett	Leonard Canal	Irrig.	.68	24	32	19	Rock	Oct.	31	1940	—	3320
Long Pine Cr.	Consumers Public Power District	Columbus	Long Pine Plant	Power	48.00	30	30	20	Brown	Apr.	2	1909	—	941
Louse Creek	Lansberry, I. F.	Red Bird	Lansberry Canal	Irrig.	.50	12	32	10	Holt	Sept.	18	1930	—	2166

†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-C—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Middle Creek, East Branch	McGuire, M. W.	Norden	McGuire Canal	Irrig.	.71	32	33	23	Keya Paha	June	1	1884	606	----
Middle Creek, West Branch	Allen, M. M.	Norden	Allen Canal	Irrig.	.50	29	33	23	Keya Paha	June	1	1891	616	----
Middle Creek, West Branch	Allen, M. M.	Norden	Allen Canal	Irrig.	1.00	29	33	23	Keya Paha	May	2	1904	----	753
Mile Board Lake	Board of County Commissioners	Valentine	Mile Board Ditch	Drain		5	34	35	Cherry	Sept.	17	1924	----	1750
Minnechaduza Creek	Consumers Public Power District	Columbus	Pierce Milling Plant	Power	35.00	30	34	27	Cherry	Sept.	12	1896	----	359
Minnechaduza Creek	City of Valentine	Valentine	Valentine Plant	Power	40.00	29	34	27	Cherry	Apr.	16	1913	----	1279
Minnechaduza Creek	Village of Crookston	Crookston	Community Lake Res.	Resort	†27AF	7	34	29	Cherry	Dec.	13	1935	----	2568
Minnechaduza Creek	Game, Forestation & Parks Commission	Lincoln	Valentine Reservoir	Fish	†98AF	30	34	27	Cherry	July	15	1938	----	2878
Newman Creek	Newman, Philo	Norden	Newman Canal	Irrig.	.21	17	33	24	Keya Paha	July	1	1888	617	----
Niobrara River	Richardson, Wiley	Harrison	Lakotah Canal	Irrig.	5.85	1	30	57	Sioux	Oct.	1	1883	554	----
Niobrara River	Coffee Cattle Co.	Chadron	Earnest Canal No. 1	Irrig.	2.86	9	29	56	Sioux	May	1	1885	514a	----
Niobrara River	Bruce, A.	Norden	Bruce Mill	Power	60.00	16	33	24	Keya Paha	Apr.	1	1886	610	----
Niobrara River	Cook, J. H.	Agate	McGinley-Stover Lower North Canal	Irrig.	8.21	25	29	56	Sioux	May	1	1887	513a	----
Niobrara River	Furman, H. G., Jr.	Marsland	Pioneer Canal	Irrig.	7.14	36	29	51	Dawes	Aug.	1	1887	442a	----
Niobrara River	Hedgecock, Geo., et al	Marsland	McLaughlin Canal	Irrig.	7.14	9	28	52	Box Butte	May	1	1888	566	----
Niobrara River	Cook, J. H.	Agate	McGinley-Stover Lower South Canal	Irrig.	1.71	25	29	56	Sioux	May	1	1890	513b	----

Niobrara River	Hughes, John	Marsland	Hughes Canal	Irrig.	.57	1	28	52	Box Butte	May	31	1890	987a	—
Niobrara River	Coffee Cattle Co.	Chadron	Earnest Canal No. 2	Irrig.	2.14	9	29	56	Sioux	May	15	1891	514b	—
Niobrara River	Cook, J. H.	Agate	Cook Canals 1-2	Irrig.	3.54	2	28	53	Sioux	May	31	1891	980	—
Niobrara River	Ellicott, Don H., et al	Harrison	Bigelow and Seymour Canal	Irrig.	2.40	19	31	57	Sioux	June	8	1891	510	—
Niobrara River	Skavdahl, Oscar, et al	Harrison	Harris-Neece Canal	Irrig.	8.57	3	28	55	Sioux	July	1	1892	517	—
Niobrara River	Furman, H. G., Jr.	Marsland	Pioneer Canal	Power	10.00	31	29	50	Dawes	Aug.	1	1893	442b	—
Niobrara River	Roll Mill Company	Marsland	Roll Mill	Power	35.00	5	28	51	Box Butte	Sept.	10	1893	970	—
Niobrara River	Green, Frank J., Est.	Boulder, Colo.	Meridian Canal	Irrig.	.57	25	29	50	Dawes	Jan.	10	1894	459	—
Niobrara River	Taylor, Geo. L., Est.	Nonpariel	Enterprise Canal	Irrig.	5.71	27	29	50	Dawes	Jan.	27	1894	461	—
Niobrara River	Furman, Anson L. and Willis B.	Marsland	Furman Canal	Irrig.	3.64	29	29	50	Dawes	Feb.	2	1894	462	—
Niobrara River	Hughes, John	Marsland	Hughes Canal	Irrig.	.30	1	28	52	Box Butte	Apr.	15	1894	987b	—
Niobrara River	Warneke, Henry	Harrison	Johnson Canal	Irrig.	2.09	35	31	57	Sioux	May	1	1894	511	—
Niobrara River	McMannis, J. T., et al	Hemingford	McMannis-Neeland Canal	Irrig.	.86	29	29	49	Dawes	June	15	1894	463	—
Niobrara River	McCully, S. J.	Carnes	McCully Canal	Irrig.	8.57	25	32	20	Keya Paha	Aug.	7	1894	583	—
Niobrara River	Fienken, Chas.	Dustin	Fienken Canal	Irrig.	1.00	12	33	16	Boyd	Oct.	1	1894	575	—
Niobrara River	Wilson, J. A.	Springview	Wilson Canal	Irrig.	5.71	18	32	21	Keya Paha	Oct.	18	1894	591	—
Niobrara River	Iodence, W. M.	Hemingford	Lichte Canal	Irrig.	1.43	27	29	48	Dawes	Jan.	24	1895	479	—
Niobrara River	Warneke, H., Estate	Harrison	Warneke Canal	Irrig.	1.57	27	31	57	Sioux	Feb.	13	1895	505	—
Niobrara River	Cook, J. H.	Agate	McGinley-Stover Upper Canal	Irrig.	2.86	23	29	56	Sioux	Feb.	25	1895	521	—
Niobrara River	Harris, Caroline M.	Marsland	LaBelle Canal	Irrig.	2.00	6	28	54	Sioux	Mar.	12	1895	518	—
Niobrara River	Furman, H. G.	Marsland	Snow Canal	Irrig.	2.86	35	29	51	Dawes	Mar.	26	1895	485	—
Niobrara River	Hughes, John	Marsland	Excelsior Canal	Irrig.	2.86	10	28	52	Box Butte	May	15	1895	568	—
Niobrara River	Mann, John E.	Harrison	Bourett Canal	Irrig.	2.00	33	30	56	Sioux	June	8	1895	—	4
Niobrara River	Bourett, John S.	Harrison	Bourett South Canal	Irrig.	1.16	29	30	56	Sioux	June	10	1895	—	5
Niobrara River	Harris, Caroline M.	Marsland	LaBelle Canal	Irrig.	3.14	6	28	54	Sioux	July	3	1895	—	60
Niobrara River	Bond and Tissott	Peters	Usher Canal	Irrig.	1.16	19	29	46	Sheridan	July	17	1895	—	82
Niobrara River	Thompson, Mrs. Addie	Antioch	Moore Canal	Irrig.	5.71	9	28	53	Sioux	July	22	1895	—	88
Niobrara River	Hunter, Jas. A.	Alliance	Meridian Canal	Irrig.	5.14	25	29	50	Dawes	Aug.	14	1895	—	469

†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-C—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Niobrara River	Sandoz, George	Gordon	Mettlen Canal	Irrig.	4.90	4	28	54	Sioux	Apr.	27	1896	.....	292
Niobrara River	Neeland, Sarah J.	Hemingford	McMannis-Neeland Canal	Irrig.	1.07	29	29	49	Dawes	Apr.	9	1898	.....	448
Niobrara River	Armstrong, T. S.	Butte	Armstrong Plant	Power	150.00	9	33	13	Boyd	May	14	1898	.....	452
Niobrara River	Bourett, J. S.	Harrison	Bourett Canal	Irrig.	1.00	29	30	56	Sioux	Mar.	5	1900	.....	542
Niobrara River	Richardson, Wiley	Harrison	J. S. Bourett Canal	Irrig.	2.00	19	30	56	Sioux	Mar.	17	1900	.....	546
Niobrara River	Montague, Mrs. Elizabeth	Hemingford	Montague Canal	Irrig.	.43	27	29	48	Dawes	Sept.	27	1900	.....	575
Niobrara River	Montague, Mrs. Elizabeth	Hemingford	Chladek Canal	Irrig.	.30	26	29	48	Dawes	Mar.	18	1901	.....	607
Niobrara River	Wegrzyn, Bina	Hemingford	Fendrich Canal	Irrig.	.29	32	29	48	Dawes	June	1	1901	.....	616
Niobrara River	Wegrzyn, Bina	Hemingford	Fendrich Canal	Irrig.	.27	32	29	48	Dawes	June	1	1901	.....	617
Niobrara River	Consumers Public Power District	Columbus	Valentine Plant	Power	1600.00	27	34	27	Cherry	Jan.	29	1902	.....	652
Niobrara River and Pepper Cr.	Taylor, D. T.	Hay Springs	Taylor Canal	Irrig.	4.57	28	29	47	Dawes	Aug.	8	1904	.....	766
Niobrara River	Kirk, E. L.	Sioux City, Iowa	Nebr. Pwr. Co. Plant	Power	900.00	34	32	7	Knox	Sept.	24	1909	.....	961
Niobrara River	Kirk, E. L.	Sioux City, Iowa	Nebr. Pwr. Co. Plant	Power	700.00	34	32	7	Knox	Aug.	9	1910	.....	1019
Niobrara River	Mann, John E.	Harrison	Beiser Canal	Irrig.	.50	4	29	56	Sioux	Jan.	23	1911	.....	1056
Niobrara River	Mann, John E.	Harrison	Bourett Canal Ext.	Irrig.	.75	33	30	56	Sioux	Jan.	23	1911	.....	1057
Niobrara River	Iodence, W. M.	Hemingford	Lichte Canal	Irrig.	2.25	27	29	48	Dawes	Apr.	7	1911	.....	1086
Niobrara River	Dierex, Camille	Rushville	Camille Canal	Irrig.	1.53	19	30	43	Sheridan	Apr.	10	1911	.....	1087
Niobrara River	Montague, Mrs. Elizabeth	Hemingford	Lichte Canal	Irrig.	.71	27	29	48	Dawes	Apr.	19	1911	.....	1088
Niobrara River	Iodence, Charles G.	Hemingford	Lichte Canal	Irrig.	.24	27	29	48	Dawes	Jan.	2	1912	.....	1152
Niobrara River	Bourett, John	Harrison	Bourett Canal No. 1	Irrig.	.11	29	30	56	Sioux	Mar.	25	1912	.....	1188

Niobrara River	Wells, Harry E.	Butte	Wells Pump	Irrig.	1.64	32	32	40	Cherry	May	2	1912		1193
Niobrara River	Bourett, John	Harrison	Bourett Canal No. 2	Irrig.	.21	29	30	56	Sioux	July	19	1912		1209
Niobrara River	Davison, F. B. and C. T.	Hemingford	Mettlen Canal	Irrig.	.75	4	28	54	Sioux	Dec.	18	1912		1248
Niobrara River	Davison, F. B. and C. T.	Hemingford	Bennett Canal	Irrig.	3.45	1	28	54	Sioux	Dec.	18	1912		1249
Niobrara River	Bushnell, Esther N.	Marsland	Geo. Hitshew Canal	Irrig.	6.00	6	28	52	Box Butte	Feb.	17	1913		1260
Niobrara River	Coffee Cattle Co.	Chadron	Coffee Canal No. 3	Irrig.	2.50	15	29	56	Sioux	Mar.	24	1914		1362
Niobrara River	U. S. Forest Reserve	Nenzel	Morton Nursery Canal	Irrig.	.50	30	33	32	Cherry	June	15	1917		1488
Niobrara River	Davison, Fred B.	Marsland	Davison Canal	Irrig.	.21	12	28	54	Sioux	Apr.	27	1922		1662
Niobrara River	Nebraska Hydro Electric Power Co.	St. Paul, Minn.	Northern Nebraska Plant No. 1	Power	1450.00	30	33	11	Boyd-Holt	Oct.	30	1923		1725
Niobrara River	Nebraska Hydro Electric Power Co.	St. Paul Minn.	Northern Nebraska Plant No. 1	Rs. Dam A-1725		30	33	11	Boyd-Holt	Aug.	20	1925		1777
Niobrara River	Nebraska Hydro Electric Power Co.	St. Paul, Minn.	Northern Nebraska Plant No. 1	Rs. Dam A-1725		30	33	11	Boyd-Holt	Aug.	29	1927		1955
Niobrara River	Bradstreet, W. D.	Spencer	Verdigris Plant	Power		32	32	7	Knox	Dec.	30	1930		2183*
Niobrara River	Sandoz, Geo. E.	Gordon	Mettlen Canal Ext.	Irrig.	1.14	4	28	54	Sioux	Oct.	13	1931		2244
Niobrara River	Kay, D. L.	Marsland	Kay Canal No. 2	Irrig.	.43	9	28	53	Sioux	Oct.	15	1931		2245
Niobrara River	Kay, D. L.	Marsland	Kay Canal	Irrig.	3.14	1	28	54	Sioux	Nov.	18	1931		2250
Niobrara River	Hughes, John R.	Marsland	Excelsior Canal Ext.	Irrig.	1.92	10	28	52	Box Butte	Mar.	28	1932		2264
Niobrara River	Montague, Mrs. Elizabeth	Hemingford	Montague Canal	Irrig.	1.76	28	29	48	Dawes	Mar.	31	1932		2266
Niobrara River	Harris, Frank, et al	Marsland	Harris-Neece Canal Extension	Irrig.	7.27	3	28	55	Sioux	July	11	1932		2275
Niobrara River	Nellis, Claud	Monowi	Nellis Pump	Irrig.	.09	2	32	9	Boyd	Apr.	24	1933		2319
Niobrara River	Bushnell, Esther N.	Marsland	Hitshew Canal No. 2	Irrig.	.92	6	28	52	Box Butte	Jan.	28	1935		2509
Niobrara River	Iodence, Chas.	Hemingford	Lichte Canal Ext.	Irrig.	2.95	27	29	48	Dawes	Mar.	2	1935		2523
Niobrara River	Johndreau, J. N.	Gordon	Johndreau Pumps	Irrig.	.96	24	31	42	Sheridan	Aug.	9	1935		2555
						25	31	42						
Niobrara River	Potmesil, John	Hemingford	Potmesil Canal	Irrig.	6.76	26	29	48	Dawes	Oct.	29	1935		2566
Niobrara River	Nissen, Peter J.	Hay Springs	Nissen Pump	Irrig.	1.54	23	29	46	Sheridan	May	5	1936		2578
Niobrara River	Woodhouse, Earl	Gordon	Woodhouse Pump	Irrig.	.34	17	31	41	Sheridan	Apr.	25	1936		2623
Niobrara River	Kuchera, Harry J.	Rushville	Kuchera Pump	Irrig.	.90	32	30	44	Sheridan	Nov.	6	1936		2654

*Application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-C—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam S	T	R	County	Date of Priority Mo.	D	Yr.	Doc. No.	App. No.
Niobrara River	United States of America	Denver, Colo.	Mirage Canal	Irrig.		26	29	48	Dawes	Jan.	25	1937		2683*
						29	29	48						
Niobrara River	United States of America	Denver, Colo.	Mirage Res. No. 1	Irrig.		28	29	49	Dawes	Mar.	6	1937		2709a*
Niobrara River	United States of America	Denver, Colo.	Mirage Res. No. 2	Irrig.		10	29	48	Sheridan	Mar.	6	1937		2709b*
			Mirage Res. No. 3			6	29	45						
Niobrara River	Lichte, Hugo	Chadron	Montague Canal	Irrig.	.29	27	29	48	Dawes	June	14	1937		2754
Niobrara River	Iodence, Chas. G.	Hemingford	Lichte Canal	Irrig.	1.46	27	29	48	Dawes	Feb.	11	1938		2837
Niobrara River	Iodence, Chas. G.	Hemingford	Iodence Pump	Irrig.	1.64	26	29	48	Dawes	Feb.	11	1938		2838
Niobrara River	Barnhart, Woodie V.	Niobrara	Barnhart Pump	Irrig.	.35	17	32	6	Knox	June	19	1939		2930
Niobrara River	Dalton, Charles S., et al	Niobrara	Raymond Irrig. Co. Pump	Irrig.	15.47	2	31	7	Knox	Sept.	21	1939		2968
Niobrara River	Bauder, G. E.	Rushville	Bauder Pump	Irrig.	1.54	29	33	37	Cherry	Feb.	27	1941		3404
Niobrara River	Nellis, Cora Elizabeth	Monowi	Nellis Pump	Irrig.	.03	2	32	9	Boyd	June	12	1941		3449
Niobrara River	United States of America	Denver, Colo.	Box Butte Reservoir	Irrig.		33	29	49	Dawes	June	24	1941		3456*
Niobrara River	Nebraska Hydro Electric Power Co.	St. Paul, Minn.	Northern Nebraska Plant No. 1	Power		30	33	11	Boyd-Holt	June	8	1942		3574*
Niobrara River, Ravine, Trib. to (Anderson Res.)	Anderson, Otto	Hay Springs	Anderson Reservoir	Irrig.	†20AF	2	29	47	Dawes	Oct.	16	1940		3297
	Anderson, Otto	Hay Springs	Anderson Res. Canal	Irrig.		2	29	47	Dawes	Oct.	16	1940		3396
Niobrara River, Ravine, Trib. to (Wilson Res.)	Wilson, John L.	Harrison	Wilson Reservoir	Irrig.	†7AF	27	33	57	Sioux	Nov.	26	1940		3337
	Wilson, John L. and Harold A.	Harrison	Wilson Res. Canal	Irrig.		27	33	57	Sioux	Nov.	26	1940		3490
Pine Creek	Colclesser, Lewis	Rushville	Pine Creek Mills	Power	32.00	33	30	44	Sheridan	June	5	1893	415	

Plum Creek	Plum Creek Irrig. Co.	Johnstown	Johnstown Canal	Irrig.	26.00	4	29	24	Brown	Dec.	18	1894	405	—
Plum Creek	Wilbert, R.	Ainsworth	Wilbert Canal	Irrig.	.43	35	32	23	Brown	May	5	1896	—	329
Plum Creek	Consumers Public Power District	Columbus	Plum Creek Plant	Power	150.00	32	32	22	Brown	May	15	1909	—	947
Pole Creek	Julian and Wells	Gordon	Pole Creek Canal	Irrig.	.57	28	32	40	Cherry	June	29	1905	—	799
Red Bird Cr.	Mellor, G. W.	Red Bird	Mellor Pump	Irrig.	.32	14	32	10	Holt	Oct.	24	1940	—	3308
Richman Creek	Byington, Mrs. W. W.	Riverview	Byington Canal	Irrig.	1.00	22	32	20	Keya Paha	May	19	1891	582	—
Rock Creek	Eastlick, B. J.	Carns	Necessity Canal	Irrig.	.36	29	32	18	Rock	Jan.	17	1895	395	—
Rock Creek	Wile, H.	Mariaville	Wile Canal	Irrig.	.86	9	31	18	Rock	Apr.	3	1895	397	—
Rock Creek	Dugger Brothers	Bassett	Dugger Canal	Irrig.	4.57	33	32	18	Rock	Apr.	24	1919	—	1539
‡Rock Creek	Van Koten, J.	Springview	Van Koten Canal	Irrig.	.07	25	33	22	Keya Paha	Jan.	1	1885	619	—
Rock Springs Creek	Chase, Albert B.	Meadville	Moore Canal	Irrig.	1.43	12	32	22	Keya Paha	June	30	1887	593	—
Sand Creek	Peacock, Gardie M.	Newport	Peacock Canal	Irrig.	.02	35	32	18	Rock	Nov.	14	1929	—	2112
Sand Creek	Coakley, John A.	Lynch	Coakley Pump	Irrig.	.57	6	32	9	Holt	Dec.	15	1934	—	2499
Shobe Branch	Lamb, A. J.	Spencer	Lamb Canal	Irrig.	.14	30	33	11	Holt	July	6	1896	—	322
Snider Creek	Pickler, W. C.	Springview	Old Canal	Irrig.	.01	31	33	19	Keya Paha	May	1	1894	607	—
Spotted Tail Cr.	Rhodes, J. G.	McLean	Spotted Tail Canal	Irrig.	.07	4	34	17	Keya Paha	May	17	1895	601	—
Spring Creek	Kuskie, A. K.	Sparks	Garden Canal	Irrig.	.09	27	34	25	Cherry	Mar.	30	1900	—	555
Spring Creek	Baker, H. H.	Mills	Horse Shoe Lake Res.	Fish	†16AF	4	34	18	Keya Paha	May	10	1934	—	2380
Spring Creek	Spinar, Frank J.	Red Bird	Spinar Canal	Irrig.	.29	1	32	11	Holt	Feb.	25	1935	—	2519
Spring Creek	Smith, Harold R.	Naper	Smith Canal	Irrig.	.16	26	34	16	Boyd	July	26	1940	—	3217

*Application pending.
†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-C—Concluded

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Springs, Lewis	Lewis, Ralph	Burton	Lewis Canal	Irrig.	.14	29	35	19	Keya Paha	Aug.	30	1895		139
Springs, Prouty	Prouty, H. S.	Spencer	Prouty Canal	Irrig.	1.44	5	32	11	Holt	June	1	1934		2393
Springs, Wrede	Wrede, John	Red Bird	Wrede Canal	Irrig.	.31	8	32	10	Holt	July	28	1934		2449
Springs, Spinar	Spinar, Frank J.	Red Bird	Spinar Canal Ext.	Irrig.	.23	1	32	11	Holt	Apr.	9	1935		2535
Stream, No Name	Grant, C. G.	Long Pine	Grant Canal	Irrig.	.14	4	31	20	Rock	Jan.	1	1895	400	
Stream, No Name	Conger, C. K.	Norden	Conger Canal	Irrig.	.10	5	33	24	Keya Paha	Sept.	16	1895		158
Turkey Creek	LaRue, Chas.	Long Pine	LaRue Canal No. 1	Irrig.	.43	35	33	23	Keya Paha	Feb.	9	1900		539
Turkey Creek	LaRue, Chas.	Long Pine	LaRue Canal No. 2	Irrig.	2.00	35	33	23	Keya Paha	May	11	1904		754
Turkey Creek	Stuart, Solon D.	Springview	Stuart Canal	Irrig.	.03	23	33	23	Keya Paha	June	14	1934		2408
Turkey Creek	Haun, Cecil	Springview	Logan Canal	Irrig.	.03	23	33	23	Keya Paha	Aug.	7	1934		2457
Turkey Creek	Bates, Harry M.	Meadville	Primrose Pump	Irrig.	.07	36	33	23	Keya Paha	Oct.	29	1934		2489
Turkey Creek, Tributary to	O. H. Johnson and Co.	Norfolk	Johnson Pump	Irrig.	.01	23	33	23	Keya Paha	Apr.	23	1935		2541
Verdigre River	Hanson, J. W.	Emmetburg, Iowa	Drayton Canal	Irrig.	2.86	8	28	8	Antelope	Aug.	11	1894	248	
Verdigre River Springs, Trib. to	Backers, Lydia O.	North Platte	Backers Canal	Irrig.		15	29	9	Holt	June	15	1942		3577
Whistle Creek	Harris, Frank	Marsland	Home Canal	Irrig.	.86	13	28	54	Sioux	June	6	1895		65

Whistle Creek	Davison, Ella	Marsland	Whistle Creek Canal	Irrig.	1.00	12	28	54	Sioux	June	28	1895	----	58
Wyman Creek	McCully, R. A.	Carns	McCully Canal	Irrig.	.80	19	32	19	Keya Paha	June	10	1891	604	----
Wyman Creek	Horton, I.	Carns	Horton Canal	Irrig.	.14	17	32	19	Keya Paha	June	5	1894	587	----
Young Creek	Lamb, A. J.	Spencer	Harvey-Lamb Canal	Irrig.	.21	32	33	11	Holt	June	13	1896	----	311

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-D

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Ash Creek	Connell, W. D.	Whitney	Connell Canal	Irrig.	.63	6	32	50	Dawes	June	17	1898	.....	459
Ash Creek	Cripps, Fred W.	Whitney	Cripps Canal	Irrig.	1.14	13	32	51	Dawes	Dec.	26	1903	.....	735
Ash Creek	Howard, W. C.	Whitney	Cripps Canal	Irrig.	.57	13	32	51	Dawes	Aug.	27	1906	.....	835
Ash Creek	Cripps, Fred W.	Whitney	Cripps Reservoir	Irrig.	†90AF	12	32	51	Dawes	Sept.	28	1934	.....	2481
(Cripps Res.)	Cripps, Fred W.	Whitney	Cripps Pump	Irrig.		12	32	51	Dawes	Sept.	28	1934	.....	2571
Ash Creek	Cartwright, Cora H. C., Estate	Whitney	Cartwright Pump	Irrig.	.07	7	32	50	Dawes	Mar.	13	1940	.....	3117
Ash Cr., East	Tomlin, H. B., Estate	Crawford	Ox Yoke (Tomlin) Canal	Irrig.	1.38	29	32	50	Dawes	May	31	1880	447R	.....
Ash Cr., East	Ivins, Myrtle L. and Stumph, John E.	Crawford Whitney	Stumph Canal	Irrig.	1.00	32	32	50	Dawes	May	31	1880	447R	.....
Ash Cr., East	Sprague, Lewis Edgar et al	Chadron	Barron Canal	Irrig.	1.14	32	32	50	Dawes	July	1	1888	438R	.....
Ash Cr., East	Holding Brothers	Arcadia, Cal.	Stumph Canal	Irrig.	.20	31	32	50	Dawes	Sept.	5	1892	1023½	.....
Ash Cr., East	Stumph, John E.	Whitney	Ox Yoke-Stumph Canal	Irrig.		31	32	50	Dawes				1051*	.....
Ash Cr., East	Ivins, Orville R.	Crawford	Sheldon Canal	Irrig.	1.43	30	32	50	Dawes	Jan.	26	1899	.....	493
Ash Cr., East	Vetter, Andrew	Whitney	Todd Canal	Irrig.	.38	5	31	50	Dawes	Sept.	12	1899	.....	520
Ash Cr., East (See Indian Creek)	Norman, Harry	Whitney	Norman-Barron Canal	Irrig.	†776AF	32	32	50	Dawes	Aug.	22	1927	.....	1953
(Norman Res.)	Norman, Harry	Whitney	Harry Canal	Irrig.		8	32	50	Dawes	Aug.	22	1927	.....	2179
Ash Cr., East	Sprague, Lewis Edgar et al	Chadron	Barron Canal Ext.	Irrig.	.89	32	32	50	Dawes	Aug.	15	1928	.....	2024
Ash Cr., East	Thomas, Olive S.	Whitney	Thomas Canal	Irrig.	1.00	19	32	50	Dawes	Dec.	17	1928	.....	2057
Ash Cr., East	Seegrist, Cloid	Whitney	Seegrist Power Plant	Power	3.00	8	31	50	Dawes	May	20	1930	.....	2140
Ash Cr., East	Stump, John E.	Whitney	Ox Yoke-Stumph Canal	Irrig.		31	32	50	Dawes	June	6	1931	.....	2205*
Ash Cr., West	Vetter, Andrew, Estate	Crawford	Mace Canal	Irrig.	1.00	2	31	51	Dawes	July	31	1884	428	.....
Ash Cr., West	Ivins, Orville R., et al	Crawford	West Ash Cr. Canal	Irrig.	.40	36	32	51	Dawes	July	4	1893	452	.....

Ash Cr., West	Ivins, Myrtle L., et al	Crawford	West Ash Cr. Canal	Irrig.	.80	35	32	51	Dawes	July	4	1893	452R	----
Ash Cr., West	Ivins, Orville R.	Crawford	Wall (West Ash Cr.) Canal	Irrig.	.57	35	32	51	Dawes	Feb.	3	1898	----	434
Ash Cr., West	Ivins, Myrtle L., et al	Crawford	West Ash Creek Canal	Irrig.	1.31	35	32	51	Dawes	Jan.	6	1941	----	3362
Beaver Creek	Isham, Mrs. Gladys and Braddock, Doris	Chadron Palo Alto, Calif.	Lockler Canal	Irrig.	1.83	34	35	47	Dawes	Sept.	15	1892	1017	----
Beaver Creek	Isham, Mrs. Gladys and Braddock, Doris	Chadron Palo Alto, Calif.	Braddock Canal	Irrig.	.36	18	34	46	Sheridan	Apr.	15	1895	423	----
Beaver Creek	Braddock, J. F.	Chadron	Braddock Canal	Irrig.	.04	1	34	47	Dawes	Apr.	15	1895	974	----
Beaver Creek	Braddock, J. F.	Chadron	Braddock Canal	Irrig.	.64	1	34	47	Dawes	Nov.	24	1897	----	463
Beaver Creek	U. R. Land and Cattle Company	Chadron	Cilek Canal	Irrig.	.36	4	33	46	Sheridan	June	19	1899	----	513
Beaver Creek	Rickman, A. W.	Chadron	Rickman Canal	Irrig.	1.00	9	33	46	Sheridan	July	2	1902	----	681
Beaver Creek	Isham, Mrs. Gladys and Braddock, Doris	Chadron Palo Alto, Calif.	Braddock Canal Ext.	Irrig.	.39	18	34	46	Sheridan	Sept.	19	1928	----	2033
Beaver Creek	Isham, Mrs. Gladys and Braddock, Doris	Chadron Palo Alto, Calif.	Lockler Canal	Irrig.	.49	34	35	47	Dawes	Sept.	19	1928	----	2034
Beaver Creek	Tulloss, Frank L.	Hay Springs	Tulloss Pond	Fish	†4AF	3	32	46	Sheridan	May	22	1930	----	2141
Bordeaux, Big	O'Donnell, Pat	Chadron	O'Donnell Canal	Irrig.	.14	9	34	48	Dawes	Jan.	17	1898	----	432
Bordeaux, Big	Thomas Brothers	Chadron	Thomas Canal	Irrig.	.16	34	34	48	Dawes	Sept.	12	1924	----	1748
Bordeaux, Big	O'Donnell, Pat	Chadron	O'Donnell Canal Ext.	Irrig.	.63	9	34	48	Dawes	Sept.	22	1928	----	2036
Bordeaux, Big	Kelso, S. M.	Chadron	Bell Isle Lake	Fish	†15AF	23	33	48	Dawes	June	13	1930	----	2144
Bordeaux, Big	Kelso, S. M.	Chadron	Kelso Pump	Irrig.	.10	14	33	48	Dawes	July	24	1930	----	2151
Bordeaux, Big	Nelson, Oluffine N., et al	Chadron	Kelso Pump No. 1	Irrig.	.14	14	33	48	Dawes	Aug.	11	1932	----	2279
Bordeaux, Big	Kelso, S. M. and Morrisey, Martin	Chadron	Kelso Pump No. 2	Irrig.	.03	14	33	48	Dawes	July	7	1933	----	2328
Bordeaux, Big	Gochnauer, Chris. H.	Chadron	Gochnauer Canal	Irrig.	.17	10	33	48	Dawes	July	11	1934	----	2420
Bordeaux, Big	Martens, Paul A.	Chadron	Martens Pump	Irrig.	.21	16	34	48	Dawes	Nov.	16	1937	----	2801

*Application pending.
†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-D—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Bordeaux, Big	Nelson, Ernest E.	Chadron	Nelson Pump	Irrig.		14	33	48	Dawes	May	25	1942	.....	3570
Bordeaux, Little	Schmidt, Elwin	Crawford	Hartzell Canal	Irrig.	.57	13	33	48	Dawes	June	1	1893	448	.....
Bordeaux, Little	Frady, C. H.	Chadron	Frady Canal	Irrig.		30	33	47	Dawes				1009*	.....
Chadron Creek	City of Chadron	Chadron	Chadron Water Wks.	Dom.	1.00	18	32	48	Dawes	Dec.	31	1888	1022	.....
Chadron Creek	Gorr, James O., Est.	Chadron	Gallup Canal	Irrig.	.09	15	33	49	Dawes	Dec.	20	1890	426	.....
Chadron Creek	Wilson, H. M.	Chadron	Tug Wilson Canal	Irrig.	.20	12	32	49	Dawes	July	13	1893	453	.....
Chadron Creek	City of Chadron	Chadron	Chadron Water Wks.	Dom.	4.50	18	32	48	Dawes	Apr.	8	1920	.....	1583
Chadron Creek	State Park Board	Lincoln	Chadron State Park Supply Canal	Resort	†10AF	31	32	48	Dawes	Apr.	17	1928	.....	2007
Charcoal Creek	Lingwood, Thurston	Crawford	Charcoal Canal	Irrig.	.13	33	31	53	Sioux	Apr.	2	1940	.....	3130
Cottonwood, Big, Ravine, Trib. to	Moody, Tom	Crawford	Hawk Nest Reservoir	Irrig.	†17AF	31	34	52	Dawes	Dec.	8	1941	.....	3537
Cottonwood, Big, Ravine, Trib. to	Moody, Tom	Crawford	North Draw Reservoir	Irrig.	†34AF	32	34	52	Dawes	Dec.	8	1941	.....	3538
Cottonwood, Big, Ravine, Trib. to	Norman, Ben	Crawford	Norman Reservoir	Irrig.		35	34	53	Sioux	July	6	1942	.....	3580*
						2	33	53	Sioux					
Cottonwood, Lit.	Golden, T. F., Estate	Crawford	Thomas Stuart Canal	Irrig.	.36	8	32	52	Dawes	Dec.	21	1890	425	.....
Cottonwood, Lit.	Price, J. A. B. and Golden T. F., Estate	Crawford	Stuart Brothers North Canal	Irrig.	1.43	18	32	52	Dawes	June	10	1895	.....	8
Cottonwood, Lit.	Price, J. A. B. and Golden T. F., Estate	Crawford	Stuart Brothers South Canal	Irrig.	1.43	18	32	52	Dawes	June	10	1895	.....	8R
Cottonwood, Lit.	Abbott, Wm. J., Est.	Whitman	Dunn Canal	Irrig.	1.43	9	32	52	Dawes	Jan.	14	1902	.....	649
Cottonwood, Lit.	Erickson, John R.	Crawford	Stuart-Maple Canal	Irrig.	.70	3	32	52	Dawes	Mar.	10	1902	.....	656
Cottonwood, Lit.	Hanks, Vera, et al	Chadron	Kusel-Spearman Canal	Irrig.	.71	8	32	51	Dawes	June	30	1902	.....	677
Cottonwood, Lit.	Lawrence, Fay	Crawford	Broadhurst Canal	Irrig.	3.29	7	32	51	Dawes	Feb.	25	1913	.....	1264

Cottonwood, Lit. (Dodd-Mc-Dowell Res.)	Dodd and McDowell	Crawford	Dodd-McDowell Res.	Irrig.	†480AF	13	32	53	Sioux	Apr.	15	1913	—	1276
	Dodd, Mrs. Calvin H.	Crawford	Dodd-McDowell Canal	Irrig.		17	32	52	Dawes	Apr.	15	1913	—	1571
Cottonwood, Lit.	Simons, Raner	Crawford	Simons Canal	Irrig.	.77	9	32	51	Dawes	Feb.	12	1934	—	2363
Cottonwood, Lit.	Whitney Irrig. Dist.	Crawford	Simmons Supply Canal	Supple. A-1603	†350AF	7	32	51	Dawes	Aug.	11	1936	—	2607
			Blust Supply Canal	Supple. A-1603	†2000AF	7	32	51						
Cuff Canyon	Sanders, Warren	Chadron	Sanders Canal	Irrig.	.07	5	31	49	Dawes	Nov.	2	1932	—	2290
Dead Horse Cr.	Whitsel, John W.	Chadron	Kemery Canal	Irrig.	.01	32	32	49	Dawes	Sept.	1	1890	493	—
Dead Horse Cr.	Woodruff, F. B. and E. F.	Chadron	Flag Butte Canal	Irrig.	.03	32	32	49	Dawes	Apr.	10	1891	427	—
Dead Horse Cr.	Geiser, B. A.	Chadron	Geiser Canal	Irrig.	.16	17	32	49	Dawes	Mar.	18	1902	—	658
Dead Horse Cr.	White, Chas. M., et al	Chadron	Slattery Canal	Irrig.	1.94	32	33	49	Dawes	Apr.	6	1904	—	749
Dead Horse Cr.	White, C. M.	Chadron	Slattery Canal Ext.	Irrig.	.55	32	33	49	Dawes	June	15	1928	—	2021
Dead Horse Cr., Springs, Tributary to	Goff, Theodore	Chadron	Goff Canal	Irrig.	.14	30	32	49	Dawes	Apr.	2	1891	441	—
Dead Man Cr.	City of Crawford	Crawford	Dead Man Canal	Dom.	1.00	26	31	53	Sioux	Dec.	15	1938	—	2899
Deep Creek	Holberg, Elmer	Douglas, Wyo.	Deep Creek Canal	Irrig.	.06	9	30	53	Sioux	May	1	1887	525	—
Deep Creek	Holberg, Elmer	Douglas, Wyo.	Holberg Supply Canal	Fish	†1.50AF	4	30	53	Sioux	July	19	1933	—	2334
Deep Creek	Holberg, Elmer	Douglas, Wyo.	Deep Creek Canal	Irrig.	.22	9	30	53	Sioux	July	19	1933	—	2335
Dry Canyon	Betson, Wm. A.	Crawford	Betson Canal	Irrig.	1.00	33	32	51	Dawes	Mar.	22	1917	—	1481
Dry Creek (See White River)	Whitney Irrig. Dist.	Crawford	Pilister Reservoir	Supple. A-1603	†360AF	15	33	51	Dawes	Aug.	11	1936	—	2608
			Stewart Reservoir	Supple. A-1603	†700AF	15	33	51						
			Balwin Reservoir	Supple. A-1603	†340AF	15	33	51						

†Reservoir capacity alleged by applicant.
* Application pending, or claim not adjudicated.
"R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-D—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Dry Draw	Ernest, Geo. A.	Chadron	Ernest Canal	Irrig.	3.71	22	35	49	Dawes	Feb.	20	1911		1061
Dry Draw	Glaze, Wm. A.	Crawford	Heath Reservoir	Irrig.	†200AF	12	32	53	Sioux	Feb.	7	1917		1475
(Heath Res.)	Heath, W. E.	Crawford	Heath Canal	Irrig.		12	32	53	Sioux	Feb.	7	1917		1612
Dry Run	Campbell, F. J.	Chadron	Campbell Canal	Irrig.	1.00	35	34	49	Dawes	Nov.	9	1908		919
Dry Run	Guse, Wm.	Whitney	Guse Canal	Irrig.	1.76	35	34	52	Dawes	Jan.	13	1914		1345
Dry Run	Harrison and Weston	Whitney	Harsh-Weston Canal	Irrig.	3.00	31	34	51	Dawes	Mar.	11	1914		1361
English Creek	McDowell, Mrs. Effie	Crawford	McDowell Storage System	Irrig.	.87	12	31	52	Dawes	Oct.	24	1904		772
English Creek	McDowell, Mrs. Effie	Crawford	McDowell Res. No. 3	Fish	†5AF	2	31	52	Dawes	Jan.	22	1929		2064
			McDowell Res. No. 1	Fish	†36AF	12	31	52						
Flood Waters	Lenehan, Delia	Crawford	Lenehan Reservoir	Irrig.	†640AF	25	34	52	Dawes	Apr.	16	1913		1278
Flood Waters	Arner, Jesse B.	Crawford	Arner Canal	Irrig.	.14	27	33	53	Sioux	May	6	1913		1289
Hooker Creek	Bauersachs, Lena	Crawford	Bauersachs Canal	Irrig.	1.00	7	31	51	Dawes	Dec.	31	1889	492	
Hooker Creek	Scott and Steenburg	Aurora	Alcorn Canal	Irrig.	1.21	31	32	51	Dawes	Nov.	17	1905		803
Hooker Creek	Souther, Mable G.	Lincoln	Souther Lake	Irrig.	1.43	30	32	51	Dawes	Sept.	24	1908		915
Indian Creek	Renfro, Oscar S.	Chadron	Seegrist Canal	Irrig.	.03	3	31	50	Dawes	Nov.	1	1893	489	
Indian Creek	Renfro, Oscar S.	Chadron	Seegrist Canal	Irrig.	.50	3	31	50	Dawes	Nov.	29	1919		1569
Indian Creek	Norman, Harry	Whitney	Norman Canal	Irrig.	1.91	16	32	50	Dawes	Aug.	3	1921		1614
Indian Creek	Norman, Harry	Whitney	Elmer Canal	Irrig.	.77	16	32	50	Dawes	Jan.	17	1923		1704
Indian Creek	Renfro, Oscar S.	Chadron	Renfro Reservoir	Irrig.	†60AF	3	31	50	Dawes	June	21	1926		1822
(Renfro Res.)	Renfro, Oscar S.	Chadron	Seegrist Canal	Irrig.		3	31	50	Dawes	June	21	1926		1823
Indian Creek	Norman, Elmer D.	Whitney	Norman Canal	Irrig.	1.28	16	32	50	Dawes	Aug.	18	1927		1952
Indian Creek (See East Ash Creek)	Norman, Harry	Whitney	Norman Supply Canal	Irrig.		28	32	50	Dawes	Aug.	22	1927		1953

Indian Creek	Renfro, Oscar S.	Chadron	Flood Canal	Irrig.	.10	34	32	50	Dawes	July	16	1931	—	2216
Indian Creek, Tributary to	Honnold Brothers	Whitney	Honnold-Wilson Canal	Irrig.	.07	3	31	50	Dawes	May	25	1912	—	1199
Indian Tree Cr.	Moody, Tom	Crawford	Moody Canal	Irrig.	.74	32	34	52	Dawes	Dec.	8	1941	—	3536
Larabee Creek	Sawyer, Clarence O.	Rushville	Larabee Canal	Irrig.	1.12	6	34	44	Sheridan	Apr.	14	1931	—	2197
Larabee Creek	McParland, J. F., Jr.	Rushville	McParland Canal	Irrig.	.33	22	34	44	Sheridan	Jan.	9	1942	—	3544
Madden Cr. and North Creek	Flannigan, O. R.	Chadron	Dams	Irrig.	.57	31	35	48	Dawes	Oct.	17	1904	—	771
Minnepazuta Cr.	Smoke, Wm. H.	Chadron	Minnepazuta Res.	Irrig.	.14	19	33	48	Dawes	July	21	1930	—	2149
Patton Creek	Greenwood, Claude H.	White Clay	Greenwood Pump	Irrig.	1.07	32	35	44	Sheridan	Mar.	14	1938	—	2845
Rush Creek	Braddock, H. T.	Chadron	Braddock Canal	Irrig.	3.00	10	34	49	Dawes	May	4	1903	—	706
Sand Creek	Everson, George and Arner, Frank E.	Crawford	Bendix Canal	Irrig.	.57	35	33	53	Sioux	Nov.	19	1895	—	189
Sand Creek	Everson, George and Arner, Frank E.	Crawford	Bendix Canal Extension	Irrig.	.83	35	33	53	Sioux	May	27	1922	—	1669
Saw Log, East	Young, Chas. A.	Crawford	Stephenson Canal	Irrig.	.33	25	31	52	Dawes	Mar.	5	1907	—	852
Saw Log, East	Baker, A. D.	Crawford	Baker Canal	Irrig.	.04	5	30	51	Dawes	Jan.	3	1908	—	884
Saw Log, East	Van Treek, P. H.	Crawford	Van Treek Canal	Irrig.	.37	5	30	51	Dawes	May	8	1911	—	1098
Saw Log, Little (See White Clay Creek)	Stewart, H. E.	Crawford	Little Saw Log Canal	Irrig.	.71	12	30	52	Dawes	Jan.	23	1907	—	849
Saxson Draw	Dodd, Clara A.	Crawford	Harris Reservoir	Irrig.	†7AF	32	33	52	Dawes	Sept.	29	1922	—	1689
(Harris Res.)	Dodd, Clara A.	Crawford	Harris Res. Canal	Irrig.		32	33	52	Dawes	Sept.	29	1922	—	1996
Sheridan Cr.	Getchell, G. C.	Pine Ridge, S. D.	Getchell Canal	Irrig.	.07	27	34	45	Sheridan	Aug.	1	1894	418	—
Soldier Creek	Rodgers, J. J.	Crawford	Rodgers Canal	Irrig.	.14	5	31	53	Sioux	Apr.	30	1883	546	—

†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-D—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Soldier Creek	James, George A.	Crawford	James Canal	Irrig.	2.89	5	31	53	Sioux	Mar.	22	1941	—	3417
Spring Branch (Tucker Cr.)	Cutler, Jennie R.	Harrison	Tucker Canal	Irrig.	.17	34	31	54	Sioux	June	1	1883	557	—
Spring Creek	Swinbank, Sam, et al	Crawford	Mozeter Canal	Irrig.	1.14	13	32	52	Dawes	May	3	1888	1014	—
Spring Creek	Pinney, B. G.	Crawford	Squaw Creek Canal	Irrig.	.40	13	32	52	Dawes	May	10	1894	466	—
Spring Creek	Lawrence, Fay E.	Crawford	Spring Creek Canal No. 1	Irrig.	2.00	13	32	52	Dawes	Dec.	1	1894	473	—
Spring Creek	Lawrence, Fay E.	Crawford	Spring Creek Canal	O. D.	D-473	7	32	51	Dawes	Dec.	1	1894	—	2078
Spring Creek	Hanks, Vera	Chadron	Kusel Canal No. 2	Irrig.	.43	8	32	51	Dawes	May	19	1900	—	560
Spring Creek	Forbes, J. D.	Crawford	Forbes Canal No. 1	Irrig.	.43	20	32	52	Dawes	Apr.	28	1902	—	663
Spring Creek	Benthack, Peter L.	Chadron	Benthack Canal	Irrig.	4.71	11	33	49	Dawes	Sept.	12	1924	—	1749
Squaw Creek	Hall, LeRoy & Frank	Crawford	Cooper Canal	Irrig.	2.29	36	32	52	Dawes	May	8	1896	—	333
Squaw Creek	McDowell, Mrs. Effie	Crawford	Squaw Creek Res.	Irrig.	†200AF	12	31	52	Dawes	Oct.	3	1911	—	1132
(Squaw Creek Reservoir)	McDowell, Mrs. Effie	Crawford	Squaw Creek Canal	Irrig.		12	31	52	Dawes	Oct.	3	1911	—	1631
Squaw Creek	McDowell, Mrs. Effie	Crawford	Reservoir No. 4	Fish	†4AF	12	31	52	Dawes	Nov.	12	1931	—	2249
Trunk Butte Cr.	Smock, M.	Whitney	Smock Canal	Irrig.	.07	26	32	50	Dawes	June	28	1895	465	—
Trunk Butte Cr.	Chaulk, John J.	Chadron	Chaulk Canal	Irrig.	3.00	25	33	50	Dawes	Mar.	13	1915	—	1406
White Clay Cr.	Pine Ridge Agency	Pine Ridge, S. D.	Pine Ridge Canal	Irrig.			35	45	Sheridan				419*	—
White Clay Cr.	Townsend, Chas.	White Clay	Townsend Canal	Irrig.	.80	25	35	45	Sheridan	Jan.	21	1911	—	1054
White Clay Cr.	North, A. C.	Rushville	North Pump	Irrig.	.38	36	35	45	Sheridan	Mar.	26	1934	—	2369
White Clay Cr.	Tandy, A. N.	Crawford	McFarland Canal	Irrig.	1.64	35	32	52	Dawes	May	18	1891	960	—

White Clay Cr. (See White River)	White River Irrig. Co.	Crawford	White River Canal	Irrig.	1.00	34	32	52	Dawes	Dec.	31	1894	477	—
White Clay Cr.	Hall, LeRoy & Frank	Crawford	Cooper Canal	Irrig.	3.66	2	31	52	Dawes	June	22	1895	—	42
White Clay Cr.	McDowell, Robt.	Crawford	Cooper Canal	Irrig.	.05	2	31	52	Dawes	June	22	1895	—	42R
White Clay Cr.	Johnson, A. F.	Crawford	Rinicker Canal	Irrig.	.57	11	31	52	Dawes	June	8	1901	—	618
White Clay Cr.	Hutzel, John C.	Crawford	Hutzel Canal	Irrig.	.57	13	31	52	Dawes	Apr.	30	1903	—	704
White Clay Cr. (See Saw Log)	Stewart, H. E.	Crawford	Little Saw Log Canal	Irrig.		12	30	52	Dawes	Jan.	23	1907	—	849
White Clay Cr.	Johnson, A. F.	Crawford	Handschugel Lake	Irrig.	†150AF	11	31	52	Dawes	Dec.	17	1915	—	1441
White Clay Cr.	McDowell, Edw. C.	Crawford	Cooper Supply Canal	Fish	†30AF	2	31	52	Dawes	Jan.	22	1929	—	2063
White River	Raben, P. L.	Crawford	Hall Mill	Power	24.83	34	32	52	Dawes	Sept.	10	1885	478a	—
White River	City of Crawford	Crawford	Crawford Water System	Dom.	5.00	26	31	53	Sioux	Oct.	1	1890	1026	—
White River	Pinney, B. G., et al	Crawford	Harris-Cooper Canal	Irrig.	13.14	26	32	52	Dawes	Mar.	9	1894	464a	—
White River	Pinney, B. G., et al	Crawford	Harris-Cooper Canal	Irrig.	1.57	26	32	52	Dawes	June	15	1894	464b	—
White River	Forbes, Wm. T.	Crawford	Rasher Canal	Irrig.	1.14	19	32	51	Dawes	June	20	1894	467	—
White River (See White Clay Creek)	White River Irrig. Co.	Crawford	White River Canal	Irrig.	8.71	34	32	52	Dawes	Dec.	31	1894	477	—
White River	Hall Ditch Company	Crawford	Hall Canal No. 2	Irrig.	12.60	34	32	52	Dawes	Jan.	10	1895	478c	—
White River	C .B. & Q. R. R. Co.	Lincoln	C. B. & Q. Line at Crawford	Dom.	.80	3	31	52	Dawes	Sept.	14	1889	1030	—
White River	Bartlett, A. M.	Chadron	Jones Canal	Irrig.	.71	18	34	48	Dawes	May	21	1897	—	391
White River	Forbes, J. Dawson	Crawford	Rasher Canal	Irrig.	.50	19	32	51	Dawes	May	23	1898	—	456
White River	Forbes, Wm. T.	Crawford	Rasher Canal	Irrig.	1.43	19	32	51	Dawes	Jan.	16	1900	—	534
White River	Schwabe, August	Chadron	Schwabe Power Canal	Power	5.00	24	34	49	Dawes	June	13	1904	—	759
White River	Schwabe, August	Chadron	Schwabe Canal	Irrig.	.26	24	34	49	Dawes	Mar.	19	1906	—	815
White River	Schwabe, August	Chadron	Schwabe Canal	Irrig.	3.43	31	34	48	Dawes	July	23	1908	—	908
White River	White River Irrig. Co.	Crawford	White River Canal South Branch	Irrig.	1.43	25	32	52	Dawes	Mar.	11	1909	—	936
White River	Pinney and Denslow	Crawford	Harris-Cooper Supply Canal	Irrig.	†50AF	26	32	52	Dawes	Aug.	10	1911	—	1122

"O. D." Denotes optional diversion.
†Reservoir capacity alleged by applicant.
*Claim not adjudicated.
"R" Denotes relocation.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-D—Concluded

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
(Pinney-Denslow Res.)	Pinney, Ralph B.	Crawford	Pinney Reservoir Canal No. 2	Irrig.		17	32	51	Dawes	Aug.	10	1911	—	2493
White River	Forbes, Wm. T.	Crawford	Rasher-Forbes Canal	Irrig.	.50	19	32	51	Dawes	Sept.	26	1911	—	1128
White River	Whitney Irrig. Dist.	Whitney	Whitney Res. Canal	Irrig.	†10,000AF	26	32	52	Dawes	Apr.	28	1921	—	1603
(Whitney Res.)	Whitney Irrig. Dist.	Whitney	Whitney Pipe Line	Supple.	A-1625	4	32	51	Dawes	Apr.	28	1921	—	1787
						34	33	51						
						35	33	51						
White River	Norman, Wm.	Whitney	Whitney Pipe Line	Irrig.	3.60	24	32	52	Dawes	May	2	1921	—	1604
White River (See A-1787)	Whitney Irrig. Dist.	Whitney	Whitney Pipe Line	Irrig.	25.00	26	32	52	Dawes	Nov.	7	1921	—	1625
White River	Simons, Raner	Crawford	Whitney Pipe Line	Irrig.	2.07	26	32	52	Dawes	Nov.	18	1921	—	1626
White River	Norman, Wm.	Whitney	Whitney Pipe Line	Irrig.	.41	26	32	52	Dawes	Apr.	26	1922	—	1660
White River	Fisher, H. L.	Chadron	Hageman Canal	Irrig.	1.14	26	33	50	Dawes	Oct.	18	1928	—	2046
White River	City of Crawford	Crawford	Crawford Park Pump	Irrig.	.57	3	31	52	Dawes	Mar.	12	1929	—	2075
White River	Bartlett, Alfred F.	Chadron	Bartlett Canal	Irrig.	.30	19	34	48	Dawes	Sept.	8	1932	—	2285
White River	Mobley, A. L.	Crawford	Mobley Pump	Irrig.	.05	3	31	52	Dawes	May	10	1934	—	2381
White River (See Dry Cr.)	Whitney Irrig. Dist.	Crawford	Stewart-Balwin Res.	Supple.	A-1603	26	32	52	Dawes	Aug.	11	1936	—	2609
White River	Village of Whitney	Whitney	Whitney Water Supply	Dom.	2.00	1	32	51	Dawes	Aug.	28	1936	—	2627
White River	Kennedy, Howard, Trustee	Omaha	Kennedy-Miller Pump	Irrig.	1.31	26	34	49	Dawes	Nov.	24	1939	—	3030
White River	Neill, B. E.	Chadron	Neill Pump	Irrig.	.64	30	33	49	Dawes	Dec.	7	1939	—	3038
White River	Schumacher, T. A.	Chadron	Schuhmacher Cistern	Dom.	†.16AF	19	33	49	Dawes	Apr.	2	1940	—	3129

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-E

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Antelope Creek	Jordan, Allen	Montrose	Jordan Reservoir	Irrig.	†776AF	9	34	55	Sioux	Aug.	23	1940	----	3239
						8	34	55						
(Jordan Res.)	Jordan, Allen	Montrose	Jordan Res. Canal	Irrig.		9	34	55	Sioux	Aug.	23	1940	----	3446
Antelope Creek, Ravine, Tributary to	Jordan, Allen	Montrose	Lower Jordan Reservoir	Irrig.	†137AF	16	34	55	Sioux	Feb.	28	1941	----	3405
(Lower Jordan Res.)	Jordan, Allen	Montrose	Lower Jordan Res. Canal	Irrig.		16	34	55	Sioux	Feb.	28	1941	----	3446
Antelope Creek, North Branch	Story, Amy E., et al	Story	Story Canal	Irrig.	2.00	8	34	56	Sioux	Nov.	11	1895	----	168
Antelope Creek, North Branch	Story, Amy E., et al	Story	Story Canal	Irrig.	5.71	9	34	56	Sioux	Mar.	26	1918	----	1509
Antelope Creek, North Branch	Schnurr, Albert	Harrison	Grammercy Dam	Irrig.	3.71	13	34	57	Sioux	Sept.	24	1920	----	1591
Antelope Creek, South Branch (See A-1676)	Turner, Sarah A., Estate	Harrison	Turner Canal	Irrig.	1.14	26	34	57	Sioux	Oct.	31	1894	537	----
Antelope Creek, South Branch	Seaman, Samuel R.	Harrison	Ellis Canal	Irrig.	.29	9	33	57	Sioux	May	17	1896	----	338
Antelope Creek, South Branch	Turner, Sarah A., Estate	Harrison	Turner Reservoir	Irrig.	†250AF	26	34	57	Sioux	July	3	1922	----	1675
(Turner Res.)	Turner, Sarah A., Estate	Harrison	Turner Res. Canal	Supple.	D-537	26	34	57	Sioux	July	3	1922	----	1676
(Turner Res.)	Turner, Sarah A., Estate	Harrison	Turner Res. Canal	Irrig.		26	34	57	Sioux	July	3	1922	----	1677
Boggy Creek	Holly, Thos.	Crawford	Holly Canal	Irrig.	.11	30	33	54	Sioux	Dec.	31	1888	956	----
Boggy Creek	Smith, J. W.	Harrison	Smith Canal	Irrig.	.29	31	33	54	Sioux	May	1	1892	526	----
Boggy Creek	Wickersham-Readinger Cattle Co.	Harrison	Wickersham Canal	Irrig.	3.00	31	33	54	Sioux	Feb.	28	1903	----	701

†Reservoir capacity alleged by applicant.
"Supple." Denotes storage water in addition to direct flow.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-E—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Boggy Creek	Wickersham-Readinger Cattle Co.	Harrison	Wickersham Supply Canal	Irrig.	†250AF	31	33	54	Sioux	Dec.	24	1930	—	2182
(Wickersham Res.)	Wickersham-Readinger Cattle Co.	Harrison	Wickersham Reservoir Canal	Irrig.		30	33	54	Sioux	Dec.	24	1930	—	2203
Boggy Creek	Wickersham-Readinger Cattle Co.	Harrison	Wickersham Canal	Irrig.	.96	31	33	54	Sioux	May	15	1931	—	2204
Boggy Creek, Middle Branch	Bannon, J. F.	Harrison	Bannon Canal	Irrig.	.06	7	32	54	Sioux	July	1	1886	560	—
Boggy Creek, Middle Branch	Marten, Wm.	Harrison	Marten Canal	Irrig.	.36	18	32	54	Sioux	May	19	1896	—	342
Boggy Creek, West Branch	Serres, Andrew P.	Harrison	Hill Canal	Irrig.	.86	11	32	55	Sioux	Jan.	20	1908	—	886
Canyons	Konrath, James	Harrison	Konrath Canal	Irrig.	1.43	17	34	54	Sioux	Dec.	28	1905	—	808
Cedar Creek (See Prairie Dog Creek)	Parsons, Con	Harrison	Schilt Cedar Creek Canal	Irrig.	**	35	33	56	Sioux	May	15	1885	507	—
Cedar Creek	Grote, Wm.	Harrison	Valdez Canal	Irrig.	.50	10	32	56	Sioux	Apr.	5	1886	976	—
(Grote Res. A-3172)	Grote, Wm.	Harrison	Valdez Canal	Supple.	D-976	3	32	56	Sioux	June	4	1940	—	3451
Cherry Creek	Ruffing, M.	Harrison	Cherry Creek Canal	Irrig.	.03	29	33	54	Sioux	May	1	1893	549	—
Dry Gulch	Child, L. M.	Story	Child Canal	Irrig.	.57	28	34	56	Sioux	Aug.	14	1914	—	1376
Geike Creek	Geike, August	Harrison	Geike Canal	Irrig.	.43	19	33	56	Sioux	Nov.	4	1927	—	1967
Hat Creek	Thayer, Millard A., Estate	Harrison	West Hat Creek Canal	Irrig.	.43	16	32	55	Sioux	June	1	1880	553a	—

Hat Creek	Coffee, Charles F.	Harrison	Coffee Canal	Irrig.	4.29	26	33	55	Sioux	Sept.	1	1881	512		
Hat Creek	Thayer, Millard A., Estate	Harrison	West Hat Creek Canal	Irrig.	.57	16	32	55	Sioux	May	31	1886	553b		
Hat Creek	Coffee, J. T., et al	Harrison	Miller Canal	Irrig.	.37	23	33	55	Sioux	May	19	1896			341
Hat Creek	Lyon, E. B.	Harrison	Antrim Canal	Irrig.	.57	3	32	55	Sioux	Dec.	24	1900			594
Hat Creek	Lyon, E. B.	Harrison	Antrim Canal	Irrig.	.57	3	32	55	Sioux	Aug.	20	1906			834
Hat Creek	Coffee, John T.	Harrison	Coffee and Son Flood Canal	Irrig.	6.09	14	33	55	Sioux	Oct.	22	1912			1236
Hat Creek	Zerbe, Harry T.	Harrison	Zerbe Reservoir	Irrig.	†25AF	35	33	55	Sioux	Mar.	25	1915			1407
Hat Creek	Wasserburger, Harry and Martin	Montrose	Wasserburger Pump	Irrig.	.66	24	34	55	Sioux	Oct.	11	1940			3291
Hat Creek, Ravine, Tributary to (Wasserburger Res.)	Wasserburger, Jacob	Montrose	Wasserburger Res.	Irrig.	†45AF	29	31	54	Sioux	May	6	1940			3149
	Wasserburger, Jacob	Montrose	Wasserburger Res. Canal	Irrig.		29	34	54	Sioux	May	6	1940			3581*
Hat Creek, Ravine, Tributary to (Zerbe Res.)	Zerbe, Frank	Harrison	Zerbe Reservoir	Irrig.	†22AF	4	32	55	Sioux	July	6	1940			3196
	Zerbe, Frank	Harrison	Zerbe Res. Canal	Irrig.		4	32	55	Sioux	July	6	1940			3422
Hat Creek, Ravine, Tributary to (Geiser Res.)	Geiser, John	Ardmore, S. D.	Geiser Reservoir	Irrig.	†28AF	34	35	54	Sioux	Oct.	4	1940			3279
	Geiser, John	Ardmore, S. D.	Geiser Res. Canal	Irrig.		34	35	54	Sioux	Oct.	4	1940			3439
Hat Creek Ravine, Tributary to (Vyzourek Res. No. 2)	Vyzourek, Emil W.	Ardmore, S. D.	Vyzourek Res. No. 2	Irrig.	†7AF	28	35	54	Sioux	Oct.	7	1940			3281
	Vyzourek, Emil W.	Ardmore, S. D.	Emil Canal	Irrig.		27	35	54	Sioux	Oct.	7	1940			3457
Hat Creek, Ravine, Tributary to (Vyzourek Res. No. 3)	Vyzourek, Emil W.	Ardmore, S. D.	Vyzourek Res. No. 3	Irrig.	†4AF	27	35	54	Sioux	Dec.	6	1940			3343
	Vyzourek, Emil W.	Ardmore, S. D.	Vyzourek Res. Canal	Irrig.		27	35	54	Sioux	Dec.	6	1940			3458

"Supple." Denotes storage water in addition to direct flow.
†Reservoir capacity alleged by applicant.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-E—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Jim Creek	Dout, Clarence H.	Harrison	Dout Brothers Canal	Irrig.	.86	7	33	56	Sioux	May	15	1889	981	----
Jim Creek	Slattery Land and Cattle Company	Harrison	Woodruff South Canal	Irrig.	.36	14	33	57	Sioux	May	1	1890	536	----
Jim Creek	Snyder, Thos. A.	Harrison	Jim Creek Canal	Irrig.	.43	8	33	56	Sioux	Dec.	15	1890	502	----
Jim Creek (See A-1682)	Slattery Land and Cattle Company	Harrison	Slattery Canal	Irrig.	.29	13	33	57	Sioux	May	31	1891	543	----
Jim Creek	Slattery Land and Cattle Company	Harrison	Caladonia Reservoir	Irrig.	†42AF	13	33	57	Sioux	July	20	1922	----	1680
(Caladonia Res.)	Slattery Land and Cattle Company	Harrison	Caladonia Canal	Irrig.		13	33	57	Sioux	July	20	1922	----	1681
(Caladonia Res.)	Slattery Land and Cattle Company	Harrison	Caladonia Canal	Irrig. Supple.	 D-543	13	33	57	Sioux	July	20	1922	----	1683
Jim Creek	Slattery Land and Cattle Company	Harrison	High Line Canal	Irrig.	.34	13	33	57	Sioux	July	20	1922	----	1682
Jim Creek and North Jim Cr.	Dout, Clarence	Harrison	Dout Res. No. 1	Irrig.	†30AF	7	33	56	Sioux	Apr.	2	1928	----	1999
(Dout Res. 1)	Dout, Clarence	Harrison	Dout Canal No. 1	Irrig.		7	33	56	Sioux	Apr.	2	1928	----	2000
Jim Creek	Dout, Clarence	Harrison	Dout Res. No. 2	Irrig.	†3AF	7	33	56	Sioux	Apr.	2	1928	----	2001
(Dout Res. 2)	Dout, Clarence	Harrison	Dout Canal No. 2	Irrig.		7	33	56	Sioux	Apr.	2	1928	----	2002
Jim Creek, East	Wasserburger, J.	Montrose	Wasserburger Canal	Irrig.	2.29	29	34	54	Sioux	Oct.	13	1900	----	581
Jim Creek. Ravine, Tributary to	Snyder, John A.	Harrison	Snyder Reservoir	Irrig.	†45AF	17	33	56	Sioux	Dec.	23	1940	----	3358
(Snyder Res.)	Snyder, John A.	Harrison	Snyder Res. Canal	Irrig.		17	33	56	Sioux	Dec.	23	1940	----	3445
Jordan Draw	Jordan, Dan	Harrison	Dan Jordon Res.	Irrig.	†50AF	32	33	55	Sioux	Feb.	20	1929	----	2071
(Dan Jordan Res.)	Jordan, Dan	Harrison	Dan Jordan Canal	Irrig.		32	33	55	Sioux	Feb.	20	1929	----	2072
Lickett Creek	Coffee, S. B.	Chadron	Lickett Canal	Irrig.		27	33	54	Sioux				1005*	----
Lickett Creek	Coffee, S. B.	Chadron	Lickett Canal	Irrig.	1.43	27	33	54	Sioux	Mar.	21	1900	----	549
						34	33	54						

Little Red Cr.	Plunkett, Thomas	Harrison	Zerbst Canal	Irrig.	.14	25	33	56	Sioux	May	1	1893	551	----
Little Red Cr.	Grimm, Wm. O.	Harrison	Zerbst Canal	Irrig.	.90	34	33	56	Sioux	Apr.	3	1928	----	2003
Long Branch	Turnbull, S. C.	Ardmore, S.D.	O'Connell Canal	Irrig.	.20	22	35	54	Sioux	Nov.	10	1900	----	587
Long Branch	Ebert, L. J.	Ardmore, S.D.	Ebert Canal	Irrig.	.14	19	35	53	Sioux	Aug.	22	1901	----	635
Monroe Creek	Parsons, Con	Harrison	Big Monroe Canal	Irrig.	1.43	33	33	56	Sioux	May	1	1888	506	----
Monroe Creek	Parsons, Con	Harrison	Schilt-Monroe Canal	Irrig.	.50	27	33	56	Sioux	July	2	1888	509	----
Monroe Creek	Noreisch, W. M.	Harrison	Noreisch Canal	Irrig.	.04	33	33	56	Sioux	July	19	1895	----	83
Monroe Creek	Jordan, Cornelious	Harrison	Cornelious Jordan Canal	Irrig.	2.20	13	33	56	Sioux	Nov.	12	1906	----	841
Monroe Creek (See A-1399)	Jordan, Cornelious	Harrison	Cornelious Jordan Res.	Irrig.	†271AF	13	33	56	Sioux	Nov.	12	1906	----	841
(C. Jordan Res.) (See A-1469)	Jordan, Cornelious	Harrison	Cornelious Jordan Canal	Supple.	A-841	13	33	56	Sioux	Nov.	12	1906	----	841
Monroe Creek	Jordan, Cornelious	Harrison	Kite Canal	Irrig.	2.00	13	33	56	Sioux	July	30	1914	----	1375
Monroe Creek	Jordan, Cornelious	Harrison	Cornelious Jordan Canal	Irrig.	†400AF	13	33	56	Sioux	Jan.	14	1915	----	1399
(C. Jordan Res.)	Jordan, Cornelious	Harrison	Cornelious Jordan Canal	Supple.	A-841	13	33	56	Sioux	Jan.	14	1915	----	1469
(C. Jordan Res.)	Jordan, Cornelious	Harrison	Kite Canal	Supple.	A-1375	13	33	56	Sioux	Jan.	14	1915	----	1470
Monroe Creek	Wasserburger, Harry A. and Martin L.	Harrison	Richard Jordan Canal	Irrig.	1.67	22	33	56	Sioux	Sept.	19	1928	----	2032
Monroe Creek	Keel, Birdie V.	Harrison	Keel Canal	Irrig.	.02	5	32	56	Sioux	Aug.	20	1931	----	2228
Monroe Creek	Hebner, Fred W., et al	Harrison	Monroe Reservoir	Fish	†3AF	8	32	56	Sioux	Jan.	16	1933	----	2297
Monroe Creek	Knori, Samuel	Harrison	Big Monroe Canal	Irrig.	2.10	33	33	56	Sioux	Apr.	16	1934	----	2372
Prairie Dog Cr. (See Cedar Creek)	Parsons, Con	Harrison	Schilt Prairie Dog Canal	Irrig.	**	35	33	56	Sioux	May	31	1886	508	----
Prairie Dog Cr.	Plunkett, Thos.	Harrison	Plunkett Reservoir	Irrig.	†110AF	25	33	56	Sioux	Sept.	18	1928	----	2031
(Plunkett Res.)	Plunkett, Thos.	Harrison	Plunkett Canal	Irrig.		25	33	56	Sioux	Sept.	18	1928	----	2070
Sow Belly Creek (See A-2306)	Schaefer Cattle Co.	Harrison	Old Sow Belly Canal	Irrig.	3.00	7	32	55	Sioux	June	1	1887	533	----
Sow Belly Creek	Zerbe, Frank	Harrison	Montgomery Canal	Irrig.	1.00	21	33	55	Sioux	Dec.	1	1890	559	----
Sow Belly Creek	Jordan, Sarah, Estate	Harrison	Jordan Canal	Irrig.	.43	21	33	55	Sioux	June	1	1895	556	----
Sow Belly Creek	Jordan, Sarah, Estate	Harrison	Jordan Canal	Irrig.	.50	21	33	55	Sioux	May	11	1896	----	424
Sow Belly Creek	Nutto, F.	Harrison	Nutto Canal	Irrig.	.43	24	32	56	Sioux	Sept.	4	1897	----	404

†Reservoir capacity alleged by applicant.
"Supple." Denotes storage water in addition to direct flow.
*Claim not adjudicated.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-E—Concluded

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Sow Belly Creek	Carroll, M. J.	Harrison	Carroll Canal	Irrig.	.14	7	32	55	Sioux	July	12	1899	----	516
Sow Belly Creek	Zimmerman, Irvin S.	Harrison	Zimmerman Canal	Irrig.	.57	34	33	55	Sioux	Jan.	11	1900	----	532
Sow Belly Creek	Jordan, Sarah, Estate	Harrison	Jordan Canal	Irrig.	.14	21	33	55	Sioux	May	26	1902	----	668
Sow Belly Creek	O'Connell, M. J.	Montrose	O'Connell Canal	Irrig.	10.00	9	33	55	Sioux	May	5	1913	----	1288
Sow Belly Creek	Schaefer Cattle Co.	Harrison	Old Sow Belly Supply Canal	Irrig.	†150AF	7	32	55	Sioux	Feb.	27	1933	----	2306
Sow Belly Creek	Schaefer Cattle Co.	Harrison	New Sow Belly Supply Canal	Irrig.	†150AF	8	32	55	Sioux	Feb.	27	1933	----	2306R
(Schaefer Res. Nos. 1 and 2. See A-2306)	Schaefer Cattle Co.	Harrison	Leonard Canal No. 1	Irrig.		5	32	55	Sioux	Feb.	27	1933	----	3557
			Leonard Canal No. 2	Irrig.		5	32	55						
Sow Belly Creek	Andrews, Agnes	Harrison	Andrews Supply Canal	Irrig.	†24AF	5	32	55	Sioux	Mar.	26	1935	----	2530
(Andrews Res.)	Andrews, Agnes	Harrison	Andrews Canal	Irrig.		5	32	55	Sioux	Mar.	26	1935	----	2558
Spring Creek	Hall, W. S. and F. M.	Harrison	Hall Spring Canal	Irrig.	.57	6	32	55	Sioux	Mar.	26	1889	550	----
Spring Creek	Schaefer Cattle Co.	Harrison	Spring Creek Canal	Irrig.	.29	7	32	55	Sioux	June	1	1893	532	----
Spring Creek	Hall, F. M.	Harrison	Crystal Lake Res.	Irrig.	†40AF	6	32	55	Sioux	Aug.	22	1927	----	1954
(Crystal Lake Reservoir)	Hall, F. M.	Harrison	Crystal Lake Res. Supply Canal	Irrig.		6	32	55	Sioux	Aug.	22	1927	----	2286
Spring Creek	Schaefer Cattle Co.	Harrison	Spring Creek Res.	Irrig.	†66AF	12	32	56	Sioux	Oct.	13	1939	----	2985
(Spring Creek Reservoir)	Schaefer Cattle Co.	Harrison	Spring Creek Res. Supply Canal	Irrig.		7	32	55	Sioux	Oct.	13	1939	----	3310
Stream, No Name	Coffee, S. B.	Harrison	Homestead Canal	Irrig.	.22	22	33	54	Sioux	May	31	1890	984	----
Stream, No Name	Hunter, H. C.	Grella	Hunter Canal	Irrig.	.03	26	33	54	Sioux	May	12	1898	----	451
Squaw Creek	Seaman, Samuel R.	Harrison	Dunn Canal	Irrig.	.36	15	33	57	Sioux	June	1	1890	552	----
Squaw Creek	Thomas, S. M.	Harrison	Hamlin Canal	Irrig.	.01	10	33	57	Sioux	Apr.	1	1891	555	----
Squaw Creek	Thomas, S. M.	Harrison	Thomas Canal	Irrig.	.50	10	33	57	Sioux	July	23	1901	----	627
Squaw Creek	Shepherd Cattle Co.	Harrison	Shepherd Canal	Irrig.	3.16	36	34	57	Sioux	Oct.	24	1927	----	1965

Squaw Creek, So.	Shepherd Cattle Co.	Harrison	Shepherd Reservoir	Supple. A-1965	†80AF	2	33	57	Sioux	Jan.	25	1931	——	2189
Valdez Creek	Grote, William and Emma	Harrison	Grote Reservoir	Irrig.	†19AF	3	32	56	Sioux	June	4	1940	——	3172
(Grote Res.)	Grote, William	Harrison	Grote Res. Canal	Irrig.		3	32	56	Sioux	June	4	1940	——	3450
(Grote Res.)	Grote, William	Harrison	Grote Res. Canal	Supple.	D-976	3	32	56	Sioux	June	4	1940	——	3451
Warbonnet Cr.	Anderson, John A.	Harrison	Warbonnet Canal	Irrig.	3.63	21	33	56	Sioux	July	31	1880	548	——
Warbonnet Cr.	Slattery Land and Cattle Company	Harrison	Nolan Canal No. 1	Irrig.	.01	23	33	57	Sioux	Mar.	15	1887	957	——
Warbonnet Cr.	Slattery Land and Cattle Company	Harrison	Nolan Canal No. 2	Irrig.	.29	23	33	57	Sioux	May	1	1888	959	——
Warbonnet Cr.	Anderson, John A.	Harrison	Dout Canal	Irrig.	.29	30	33	56	Sioux	Dec.	31	1891	539b	——
Warbonnet Cr.	Anderson, John A.	Harrison	Warbonnet Canal No. 2	Irrig.	1.50	20	33	56	Sioux	Mar.	11	1908	——	892
Warbonnet Cr.	Slattery Land and Cattle Company	Harrison	Zerbst Canal No. 2	Irrig.	.17	25	33	57	Sioux	Mar.	6	1915	——	1404
Warbonnet Cr.	O'Connell, Mike	Montrose	O'Connell Canal	Irrig.	.35	17	33	55	Sioux	June	20	1932	——	2274
Warbonnet Cr. Branch of	Slattery Land and Cattle Company	Harrison	Zerbst Canal No. 1	Irrig.	.03	26	33	57	Sioux	Mar.	6	1915	——	1405
Warbonnet Cr., North Branch	Anderson, John A.	Harrison	Kay Canal	Irrig.	.14	26	33	57	Sioux	May	1	1887	958	——
Warbonnet Cr., North Branch	Anderson, John A.	Harrison	Dout Canal	Irrig.	.71	30	33	56	Sioux	May	31	1889	539a	——
Warbonnet Cr., Spring Branch, Tributary to	Biehle, Chas.	Harrison	Biehle Canal	Irrig.	.23	32	33	56	Sioux	Apr.	1	1891	538	——
Warbonnet Cr., Spring Branch, Tributary to	Anderson, John A.	Harrison	Garton Canal	Irrig.	1.43	31	33	56	Sioux	Oct.	16	1893	503	——
Whitehead Cr.	United States of America and Geiser, John	Washington Ardmore, S. D.	Geiser Canal	Irrig.	1.24	4	34	54	Sioux	Mar.	13	1941	——	3414
Whitehead Cr.	Raben, Ellen M.	Crawford	Raben Reservoir	Irrig.	†15AF	22	34	54	Sioux	Feb.	19	1942	——	3553
White Head Cr., Spring Branch, Tributary to	Richardson, Margaret	Orella	Harrison Canal	Irrig.	.06	13	33	54	Sioux	May	30	1888	547	——

†Reservoir capacity alleged by applicant.
"R" Denotes relocation.
"Supple." Denotes storage water in addition to direct flow.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO. 2-F

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Bazille Creek	Jirous, Frank, Estate	Creighton	Creighton Mill Race	Power		21	29	5	Knox				1002*	----
Bazille Creek	Moss, O. H. and Buckler, Fred	Battle Creek	Creighton Mills	Power	30.00	21	29	5	Knox	Sept.	24	1908	----	914
Bazille Creek	Benedict, Guy	Creighton	Benedict Water Wheel	Irrig.	.13	28	29	5	Knox	Apr.	17	1931	----	2198
Bazille Creek	McGill, Wm. R.	Center	McGill Pump	Irrig.	1.03	27	31	5	Knox	Oct.	1	1931	----	2242
Bazille Creek	Dalton, Chas. S.	Niobrara	Dalton Pump	Irrig.	.96	10	31	5	Knox	Aug.	17	1936	----	2616
Bazille Creek	Huigens and Norwood	Creighton	Norwood-Huigens Pump	Irrig.	.15	21	29	5	Knox	Feb.	5	1937	----	2693
Bazille Creek	Lutt, Elmer F.	Niobrara	Lutt Pump	Irrig.	.31	22	31	5	Knox	Oct.	13	1939	----	2984
Bazille Creek, Little	York, Elmer	Center	York Pump	Irrig.	.09	14	30	5	Knox	Sept.	7	1938	----	2882
Bow Creek	Jones, A. W.	Wynot	Bow Valley Mills	Power	52.00	11	32	2E	Cedar	Spg.		1869	1050	----
Bow Creek	Jones, A. W.	Wynot	Arc Lodge Pump	Irrig.	1.00	11	32	2E	Cedar	Dec.	19	1936	----	2673
Bow Creek, W.	Eickhoff, Frank	Crofton	Eickhoff Pump	Irrig.	.45	1	31	1	Cedar	Aug.	22	1941	----	3489
Decatur Springs	Village of Decatur	Decatur	Decatur Pipe Line	Dom.	2.00	10	23	10E	Burt	May	2	1940	----	3147
Elk Creek (Jackson Chute)	Crystal Lake Co.	South Sioux City	Crystal Lake Dam	Ice	15.00	28	29	8E	Dakota	Apr.	12	1923	----	1714
Norwegian Bow Creek	Arens, F. H.	Hartington	Arens Pump	Irrig.	.34	20	31	1E	Cedar	June	17	1938	----	2877
Papillion Creek, West	Borman, Herman	Papillion	Borman-Peters Pump	Irrig.	.82	17	14	12E	Sarpy	July	24	1936	----	2594
Papillion Creek, West	Trumble, Harland	Papillion	Trumble Pump	Irrig.	.51	21	14	12E	Sarpy	Nov.	19	1940	----	3331
Papillion, Big, North Fork	Krska, J. C.	So. Omaha	Krska Pump	Irrig.	1.53	19	14	13E	Sarpy	Nov.	10	1936	----	2657

Perrin Creek	Bartels, Lester	Laurel	Bartels Pump	Irrig.	.66	30	29	3E	Cedar	May	3	1937	—	2738
South Creek	John Hancock Mutual Life Ins. Company	Sioux City, Iowa	Mellon Pump	Irrig.	.69	28	30	6E	Dixon	Feb.	26	1942	—	3556
Spring Creek	Stochl, Chas. H.	Creighton	Stochl Pump	Irrig.	.03	21	29	5	Knox	Oct.	25	1935	—	2564
Springs	Nye, Ellen	Plainview	Nye Res.	Irrig.	†15AF	26	28	5	Antelope	Aug.	31	1936	—	2631
Springs and Underground Water	Village of Crofton	Crofton	Crofton Municipal Project	Dom.	.25	26	32	2	Knox	Oct.	29	1930	—	2169

†Reservoir capacity alleged by applicant.

RECORD OF OPTIONAL DIVERSIONS, DIVISION 1-A

Original Source	Original Appropriation Number	Original Diversion S-T-R	Optional Source	Optional Appropriation Number	Optional Diversion S-T-R	Optional Diversion Carrier	Date of Filing
Blue Creek	D-800	SW¼ SW¼ 28-17-42	North Platte R.	A-1742	N½ SE¼ 4-16-44	Overland-Midland Canal	Mar. 31, 1924
North Platte R.	D-635	NE¼ SE¼ 13-14-34	Lincoln County Drainage District No. 1, Ditch No. 2	A-2459	NW¼ NE¼ 30-14-31	Reimers Pump	Aug. 13, 1934
North Platte R.	D-635	NE¼ SE¼ 13-14-34	Lincoln County Drainage District No. 1, Ditch No. 1	A-2694	SW¼ NE¼ 30-14-31	Frame Pump	Feb. 6, 1937
North Platte R.	D-635	NE¼ SE¼ 13-14-34	Lincoln County Drainage District No. 1, Ditch No. 1	P-211*	NW¼ SW¼ 29-14-32	Brownfield Pump	July 12, 1938
North Platte R.	D-918	SW¼ SE¼ 3-23-58	Alliance Feeder Drain	P-189*	NW¼ SE¼ 18-22-53	Tri-State Canal	Mar. 11, 1935
North Platte R.	D-918	SW¼ SE¼ 3-23-58	Dry Spotted Tail Creek	A-1241	SW¼ NW¼ 16-23-56	Roberts (Hrasky) Canal	Nov. 6, 1912
North Platte R.	D-918	SW¼ SE¼ 3-23-58	Dry Spotted Tail Feeder	P-188*	SW¼ SW¼ 4-23-56	Tri-State Canal	Mar. 11, 1935
North Platte R.	D-918	SW¼ SE¼ 3-23-58	Dry Spotted Tail Creek	P-195	SW¼ NW¼ 16-23-56	Kellum Pump	Mar. 24, 1937
North Platte R.	D-918	SW¼ SE¼ 3-23-58	Tri-State Canal	A-1769	SE¼ SW¼ 12-23-57	Warner Canal	July 10, 1925
North Platte R.	D-918	SW¼ SE¼ 3-23-58	Hoth Draw	A-1473	N½ 28-21-52	O'Holloren Pump	Jan. 26, 1917
North Platte R.	D-918	SW¼ SE¼ 3-23-58	Sheep Creek	A-1176	NE¼ NE¼ 17-23-57	Sheep Creek Lateral	Feb. 26, 1912
North Platte R.	D-918	SW¼ SE¼ 3-23-58	Sheep Creek	A-1398	NE¼ NE¼ 17-23-57	Sheep Creek Lateral	Jan. 12, 1915
North Platte R.	D-918	SW¼ SE¼ 3-23-58	Sheep Creek	P-191*	NE¼ SW¼ 8-23-57	Tri-State Canal	Mar. 11, 1935
North Platte R.	D-918	SW¼ SE¼ 3-23-58	Tub Springs Feeder	P-192*	SE¼ SW¼ 27-23-55	Tri-State Canal	Mar. 11, 1935
North Platte R.	D-918	SW¼ SE¼ 3-23-58	Wet Spotted Tail Creek	A-449	SW¼ SW¼ 10-23-56	Stewart Canal	May 2, 1898
North Platte R.	D-918	SW¼ SE¼ 3-23-58	Wet Spotted Tail Creek	P-190*	NW¼ SW¼ 10-23-56	Tri-State Canal	Mar. 11, 1935
North Platte R.	D-919	NW¼ SE¼ 32-22-54	Taylor Drain	A-2502	SW¼ NW¼ 3-21-53	Oberlies Canal	Dec. 21, 1934
North Platte R.	D-919	NW¼ SE¼ 32-22-54	Minatare Drain	P-245	SW¼ SW¼ 3-21-53	Minatare Drain Lateral	Nov. 13, 1941
North Platte R.	D-952	NW¼ SE¼ 17-22-55	Winters Creek	A-1446	SW¼ NE¼ 19-22-54	Winters Creek Canal	Feb. 9, 1916
North Platte R.	D-920	NW¼ NW¼ 27-23-57	Nelson or Akers Draw	A-1290	13-23-57	Nelson Draw Canal	May 21, 1913
North Platte R.	D-920	NW¼ NW¼ 27-23-57	Toohey Drain	A-2413	W½ SW¼ 20-23-56	Fanning Pump	June 25, 1934

North Platte R.	D-920	NW¼ NW¼	27-23-57	Winters Creek	A-2409	NE¼ SE¼	8-22-54	Enterprise Canal	June 18, 1934
North Platte R.	D-920	NW¼ NW¼	27-23-57	Tub Springs	P-234	SW¼ SW¼	33-23-55	Tub Springs Lateral	Oct. 15, 1940
North Platte R.	D-920	NW¼ NW¼	27-23-57	Wet Spotted Tail Creek	P-235	SW¼ NW¼	22-23-56	Wet Spotted Tail Lateral	Oct. 15, 1940
North Platte R.	D-920	NW¼ NW¼	27-23-57	Dry Spotted Tail Creek	P-236	NE¼ NE¼	20-23-56	Dry Spotted Tail Creek Lateral	Oct. 15, 1940
North Platte R.	D-828	SE¼ SW¼	18-20-51	Atkins Drain	A-1450	SW¼ SW¼	15-19-40	Atkins Canal	Mar. 27, 1916
North Platte R.	D-828	SE¼ SW¼	18-20-51	Cedar Creek	A-1397	SW¼ SW¼	23-18-43	Cedar Creek Feeder	Jan. 7,1915
North Platte R.	D-858	SE¼ SW¼	18-20-51	Anderson Seep	A-2248	NW¼ SE¼	26-20-51	Gordon Canal	Nov. 7, 1941
North Platte R.	D-874	NW¼ SW¼	5-20-52	Bayard Sugar Factory Drain	A-1776	SE¼ NE¼	5-20-52	Alliance Canal	Aug. 13, 1925
North Platte R.	D-874	NW¼ SW¼	5-20-52	Red Willow Creek	A-1429	NW¼ SW¼	6-20-51	Alliance Canal	Aug. 5, 1915
North Platte R.	D-925	NE¼ SW¼	18-21-53	Nine Mile Draw	A-1431	NW¼ SW¼	10-21-53	Nine Mile Canal	Aug. 19, 1915
North Platte R.	D-662	NE¼ SE¼	12-14-33	Lincoln County Drainage District No. 1, Ditch No. 1	A-2638	NW¼ SW¼	26-14-31	Evans Pump	Sept. 14, 1936
North Platte R.	D-662	NE¼ SE¼	12-14-33	Lincoln County Drainage District No. 1, Ditch No. 2	A-2648	W½ NW¼	29-14-31	Suburban Canal	Oct. 22, 1936
North Platte R.	D-662	NE¼ SE¼	12-14-33	Lincoln County Drainage District No. 1, Ditch No. 2	P-198	N½	26-14-31	Evans Pump	May 15, 1937
North Platte R.	D-662	NE¼ SE¼	12-14-33	Lincoln County Drainage District No. 1, Ditch No. 1	P-213	SW¼ NW¼	25-14-32	Suburban Canal	Oct. 15, 1938
North Platte R.	A-418	SW¼ SW¼	16-20-51	Camp Clark Seep and Red Willow Creek	A-2088	NW¼ SW¼ NE¼ NE¼	6-20-51 9-20-51	Alliance Canal	June 22, 1929
North Platte R.	A-418	SW¼ SW¼	16-20-51	DeGraw Drain	P-226	NW¼ SE¼	14-20-51	Mitchell Pump	Apr. 23, 1940
North Platte R.	A-1181	NW¼ SW¼	5-20-52	Red Willow Creek	A-1432	SE¼ SE¼	12-20-51	Dobson Canal	Sept. 10, 1915
North Platte R.	A-2054	NW¼ NW¼	36-22-55	North Platte R.	A-2150	NW¼ SE¼	26-22-55	Great Western Sugar Canal (Gering Factory)	July 24, 1930
North Platte R.	A-2054 A-2150	NW¼ NW¼ NW¼ NW¼	36-22-55 36-22-55	Winters Creek Drain	P-216	NW¼ NE¼	31-22-54	Gering Factory Pump	May 26, 1939
Platte River	D-1023	SW¼	4- 8-18	Kearney Tail Race	A-1744	N½ NW¼	11- 8-16	Peaker Pump	May 8, 1924

RECORD OF OPTIONAL DIVERSIONS, DIVISION 1-A—Concluded

Original Source	Original Appropriation Number	Diversion Original	S-T-R	Optional Source	Optional Appropriation Number	Optional Diversion	S-T-R	Optional Diversion Carrier	Date of Filing
Platte River	D-621	NW¼ NW¼	18-10-23	Dawson County Drainage District No. 1	P-201	NW¼ SE¼	1- 9-22	Murray Pump	June 2, 1937
Platte River	D-622	N½ NW¼	18-10-23	Buffalo Creek	A-1495	NW¼ SE¼	22-10-21	Savins Pump	Aug. 17, 1917
Platte River	D-622	N½ NW¼	18-10-23	Buffalo Creek	A-1648	NW¼ NW¼	21-10-21	Doughty Pump	Mar. 24, 1922
Platte River	D-622	N½ NW¼	18-10-23	Buffalo Creek	A-1868	W½	33-10-20	Hodgson Pump	Oct. 28, 1926
Platte River	D-624	N½ NW¼	18-10-23	Dawson County Drainage District No. 1	A-2129	NW¼	14- 9-21	Orthman (Rosenberg) Pump	Mar. 15, 1930
Platte River	D-624	N½ NW¼	18-10-23	Ground Water	A-2281	SW¼ NW¼	20- 9-20	Beatty Well	Aug. 29, 1932
Platte River	D-624	N½ NW¼	18-10-23	Ground Water	A-2513	SW¼ SE¼	19- 9-20	Beatty Well	Feb. 15, 1935
Platte River	D-624	N½ NW¼	18-10-23	Strever Creek	A-2049	NW¼ NW¼	35- 9-20	Jurgenson Pump	Oct. 19, 1928
Platte River	D-645b	NW¼ NE¼	29-12-26	Pedens Lake	A-1860	SE¼ SE¼	12-11-23	Excell Canal	Sept. 16, 1926
Platte River	D-627	NW¼ SW¼	9-10-24	Ground Water	P-204*	NW¼ SE¼	33-10-23	Neil Well	Feb. 18, 1933
Platte River	A-2039	N½ NW¼	18-10-23	Strever Creek	A-2101	SW¼ SE¼	27- 9-20	Wengler Pump	Aug. 27, 1929
Platte River	A-2145	N½ NW¼	18-10-23	Dawson County Drainage District No. 1	P-197	SW¼ SW¼	11- 9-21	Sheldon Pump	May 7, 1937
Strever Creek	A-2083	SE¼ SW¼	18- 9-20	Dawson County Drainage District No. 1	A-2777*	SE¼ SW¼	18- 9-20	Beatty Pump	Aug. 24, 1937
White Tail Creek	A-662b	SE¼ NE¼	26-15-38	Paxton Creek	P-185	SE¼ SE¼	31-15-37	Coyner Canal	Feb. 28, 1935

RECORD OF OPTIONAL DIVERSIONS, DIVISION 1-B

Original Source	Original Appropriation Number	Original Diversion S-T-R	Optional Source	Optional Appropriation Number	Optional Diversion S-T-R	Optional Diversion Carrier	Date of Filing
Frenchman River	D-10	NE¼ NW¼ 11- 3-32	Canyon No. 10	A-1523	SW¼ NE¼ 17- 3-31	Wacker Canal	Sept. 4, 1918
Frenchman River	D-10	NE¼ NW¼ 11- 3-32	Canyon No. 10	A-1573	SW¼ NE¼ 17- 3-31	Crews Canal	Jan. 21,1920

RECORD OF OPTIONAL DIVERSIONS, DIVISION 2-D

Original Source	Original Appropriation Number	Original Diversion S-T-R	Optional Source	Optional Appropriation Number	Optional Diversion S-T-R	Optional Diversion Carrier	Date of Filing
Spring Creek	D-473	NE¼ 13-32-52	Spring Creek	A-2078	SW¼ SW¼ 7-32-51	Lawrence Pump	Apr. 15, 1929

Appropriation Number which has Carrying Right	Stream	Petitioner	Post Office	Old Location	S	T	R	Old Carrier	New Location	S	T	R	New Carrier	Amt.	Appropriation Number which Covers the Land
DIVISION 1-A															
D-787	North Platte River	North River Irrig Dist.	Oskosh	SW¼ NE¼	14	18	47	North River Canal	NW¼ SE¼	14	18	47	Lisco Canal	12.49	D-787
DIVISION 1-B															
D-1025	Republican R., North Fork	Crews, Lewis E. and Lewis R.	Haigler	SE¼ NE¼	2	1	43	Pioneer Canal	SW¼ SW¼	21	1	41	Crews Canal	2.61	D-1025
DIVISION 1-E															
A-3363	Lodgepole Cr.	Fuller, Mrs. Jessie	Sidney	SW¼ SE¼	20	14	50	Runge Canal No. 1	SW¼ SE¼	20	14	50	Fuller Pump	.64	A-3363
DIVISION 2-A															
A-2467	Loup River, North	Britton, Jack	Burwell	NW¼ NE¼	26	21	18	Britton Pump	SE¼ NE¼	26	21	18	Britton Pump	1.00	A-2467
A-2312	Loup River, North	Mortensen, Crawford J.	Ord	SE¼ SE¼	5	19	14	Mortensen Pump	SW¼ NE¼	13	21	19	Taylor-Ord	1.94	A-2155
A-2312	Loup River, North	North Loup River Public Power and Irrig. Dist.	Ord	NE¼ NE¼	27	19	14	Ord-North Loup	S½ SE¼	22	19	14	Ord-North Loup	55.65	A-2312
DIVISION 2-B															
A-3055	Clearwater Cr.	McDonald, Chas. W.	Ewing	SW¼ NW¼	33	25	9	McDonald Pump	SW¼ NW¼	33	25	9	McDonald Canal	.29	A-3055
A-2875	Elkhorn River, North Fork	U. S. Forest Service	Grand Island	SE¼ SE¼	26	24	1	Norfolk Nursery Pump	SE¼ SE¼	26	24	1	Norfolk Nursery Pump	.29	A-2875
DIVISION 2-C															
D-511	Niobrara R.	Warneke, Hannah	Omaha	SW¼ SW¼	36	31	57	Johnson Canal	NE¼ SE¼	35	31	57	Johnson Canal	2.09	D-511

DIVISION 2-D																
A-434	Ash Creek, West	Ivins, Myrtle	Crawford	NW¼ SW¼	36	32	51	West Ash Creek Canal	SE¼ SE¼	35	32	51	West Ash Creek Canal	.57	A-434
D-452	Ash Creek, West	Ivins, Myrtle L., et al	Crawford	NW¼ SW¼	36	32	51	West Ash Creek Canal	SE¼ SE¼	35	32	51	West Ash Creek Canal	.80	D-452
DIVISION 2-E																
D-509	Monroe Cr., Big	Parsons, Con	Harrison	NE¼ SW¼	27	33	56	Schilt-Monroe Canal	SW¼ SW¼	27	33	56	Schilt-Monroe Canal	.50	D-509	

CLAIMS AND APPLICATIONS CANCELED FROM SEPTEMBER 30, 1940 TO SEPTEMBER 30, 1942

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Sec.ft. Canceled	Location of Diversion or Dam				Date of Cancellation			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
DIVISION 1-A														
Buffalo Creek	Mitchell, Geo. E.	Elm Creek	Mitchell Pump	Irrig.		36	9	19	Dawson	May	22	1942		2265
North Platte R.	Maddox, P. P., et al	Keystone	Pawnee Canal	Irrig.		35	14	30	Lincoln	July	12	1941		2055
North Platte R., Springs Trib. to	Husted, Edgar S.	Henry	Husted Canal	Irrig.		3	23	58	Scotts Bluff	Oct.	20	1941		3387
Platte River	Elm Creek Ditch Co.	Elm Creek	Elm Creek Canal	Irrig.	*.57	6	8	19	Dawson	Nov.	20	1941		2104
Pumpkinseed Cr.	Sears, Willis G.	Omaha	Sears Pump	Irrig.		25	19	53	Banner	May	13	1941		2272
South Platte R.	Beal, Orvill	Brule	Beal Power Plant	Power	17.60	20	13	40	Keith	Nov.	18	1941		1619
DIVISION 1-B														
Indian Creek	Daniels, E. E.	Max	Daniels Canal	Irrig.	.03	23	2	36	Dundy	Sept.	14	1942		1854
Medicine Creek	Coder, Donald J.	Wellfleet	Coder Canal	Irrig.		23	9	20	Lincoln	Aug.	7	1941		3367
Medicine Creek	Davis, Elmer E.	Maywood	Davis Pump	Irrig.		26	8	29	Frontier	Oct.	20	1941		3418
Republican R.	Broeker, A. F.	Edison	Broeker Pump	Irrig.	.57	33	4	22	Furnas	May	22	1942		2332
Republican R.	Keester, R. L.	Alma	Keester Pump	Irrig.		31	2	18	Harlan	July	26	1941		3347
Republican R.	Haggard, Mrs. R. W.	Orleans	Haggard Pump	Irrig.		34	2	19	Harlan	July	26	1941		3351
Vining Creek	Betts, Mrs. N. O.	Franklin	James Canal	Irrig.	*.15	28	2	15	Franklin	Feb.	26	1941		2521
DIVISION 1-D														
Blue River, Big	Consumers Public Power District	Columbus	Wilber Power Plant	Power	200.00	15	5	4E	Saline	Nov.	5	1941		1597

Blue River, Big	Consumers Public Power District	Columbus	Plant No. 4	Dredge A-1463		32	9	4E	Seward	Apr.	13	1942	—	1752
Blue River, Big	Nebraska Conference of the Evangelical Church	Lincoln	Haist Pump	Irrig.		35	10	3E	Seward	July	26	1941	—	3336
Blue River, West Fork	Consumers Public Power District	Columbus	Plant No. 5	Power	100.00	11	8	3E	Saline	Nov.	5	1941	—	1476
Blue River, West Fork	Consumers Public Power District	Columbus	Plant No. 3	Power Dredge A-1265		5	8	4E	Saline	Jan.	13	1942	—	1733
Blue River, West Fork	Consumers Public Power District	Columbus	Plant No. 3	Dredge A-1265		5	8	4E	Saline	Apr.	13	1942	—	1751
Blue River, West Fork	Gocke, H. F.	Waco	Gocke Pump	Irrig.		3	9	1	York	May	16	1941	—	3272
Blue River, West Fork	Williams, Truman E.	McCool Junction	Williams Pump	Irrig.		30	9	2	York	Oct.	20	1941	—	3402
Indian Cr., Big	Rawlings, Melvin F.	Wymore	Rawlings Pump	Irrig.		29	2	7E	Gage	Jan.	2	1941	—	3183
DIVISION 1-E														
Lodgepole Creek	Thomas, Elsie O.	Omaha	Upper Whitney Canal	Irrig.	2.29	36	14	49	Cheyenne	Dec.	30	1940	316	—
Lodgepole Creek	Thomas, Elsie O.	Omaha	Lower Whitney Canal	Irrig.	2.29	31	14	48	Cheyenne	Dec.	30	1940	317	—
Lodgepole Creek	Thomas, Elsie O.	Omaha	Hale Canal No. 1	Irrig.	1.14	36	14	49	Cheyenne	Dec.	30	1940	318	—
Lodgepole Creek	Thomas, Elsie O.	Omaha	Hale Canal No. 2	Irrig.	.43	36	14	49	Cheyenne	Dec.	30	1940	319	—
Lodgepole Creek	Thomas, Elsie O.	Omaha	Hale Canal No. 3	Irrig.	.57	36	14	49	Cheyenne	Dec.	30	1940	320	—
Lodgepole Creek	Thomas, Elsie O.	Omaha	Hale Canal No. 4	Irrig.	.71	36	14	49	Cheyenne	Dec.	30	1940	321	—
Lodgepole Creek	Thomas, Elsie O.	Omaha	Hale Canal No. 5	Irrig.	.57	36	14	49	Cheyenne	Dec.	30	1940	322	—
Lodgepole Creek	Gieseking, C. H.	Altamont, Ill.	Gieseking Canal	Irrig.	.90	20	15	55	Kimball	Oct.	24	1941	—	1801
DIVISION 1-F														
Nemaha River	Steiner, Edmund G.	Table Rock	Steiner Pump	Irrig.		11	2	12	Pawnee	Apr.	4	1942	—	3506

*Denotes only part of appropriation canceled.

CLAIMS AND APPLICATIONS CANCELED FROM SEPTEMBER 30, 1940 TO SEPTEMBER 30, 1942—Continued

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Sec.ft. Canceled	Location of Diversion or Dam				Date of Cancellation			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
DIVISION 2-A														
Cedar River	McCornick, Francis E.	Belgrade	McCornick Pump	Irrig.		24	17	7	Nance	Feb.	3	1942		3444
Cedar River	Cox, G. M.	Cedar Rapids	Cox Pump	Irrig.		5	18	7	Boone	Feb.	3	1942		3452
Cedar River	Maxwell, R. G.	Albion	Dobson Pump Extention	Irrig.		25	19	8	Boone	Apr.	30	1942		3486
Cedar River	Henry, J. Rex	Fremont	Henry Pump	Irrig.		30	19	7	Boone	Aug.	17	1942		3539
Clear Creek, Ravine Trib. to	Casteel, Marshall W.	Westerville	Casteel Reservoir	Irrig.		3	16	18	Custer	Aug.	29	1941		3323
Janssen Slough	Janssen, Gerhard	Palmer	Janssen Pump	Irrig.		23	15	8	Merrick	Aug.	29	1941		3286
Looking Glass Cr., Trib. to	Bokelman, Louis	Genoa	Bokelman Pump	Irrig.		17	17	3	Platte	Mar.	21	1942		3488
Loup R., Middle (Winnegar Canyon)	Sargent Public Irrig. District	Sargent	Lower Winnegar Res.	Irrig.		32	20	19	Custer	Feb.	3	1942		3107
Loup R., Middle (Kissell Ravine)	Sargent Public Irrig. District	Sargent	Kissell Reservoir	Irrig.		36	20	19	Custer	Feb.	3	1942		3108
Loup R., Middle	Swanson, J. S.	St. Paul	Swanson Pump	Irrig.		31	14	10	Howard	Nov.	10	1941		3423
Shell Creek	Ernst, Melvin	Schuyler	Ernst Pump	Irrig.		23	18	2E	Colfax	Oct.	30	1940		3127
Shell Creek	Haidley, Charles	Schuyler	Haidley Pump	Irrig.		8	17	4	Colfax	Nov.	21	1941		3289
Shell Creek	Lightner, Louis	Columbus	Lightner Pump	Irrig.		14	18	2	Platte	Aug.	14	1942		3545
DIVISION 2-B														
Battle Creek	The Moore Corporation	Meadow Grove	Moore Pumps	Irrig.		36	24	3	Madison	Aug.	7	1941		3339
						31	24	2	Madison					

Clear Creek	Keiser, Ira	Ashland	Keiser Pump	Irrig.		34	14	9E	Saunders	Feb.	4	1941	—	3204
Elkhorn River	City of West Point	West Point	Neligh Park Lake	Resort		27	22	6E	Cuming	Nov.	20	1941	—	3058
Elkhorn River, North Fork	The Union Central Life Insurance Company	Cincinnati, Ohio	Union Central Life Insurance Co. Pump	Irrig.		36	26	2	Pierce	May	13	1941	—	3265
Elkhorn River, North Fork	Petersen, Peter E.	Osmond	Petersen Pump	Irrig.		36	28	3	Pierce	Apr.	9	1941	—	3268
Elkhorn River, South Fork	Hawk, James	Ewing	Hawk Pump	Irrig.		17	26	10	Holt	Aug.	7	1941	—	3375
Ives Creek	First Trust Company	Lincoln	First Trust Co. Pump	Irrig.		15	24	5	Antelope	Oct.	10	1940	—	3120
DIVISION 2-C														
Bear Creek	Bates, Harold S.	Merriman	Bates Project	Irrig.		7	34	37	Cherry	Nov.	20	1941	—	3284
Niobrara River	Lewis, W. H.	Chicago, Ill.	Bristow Power Plant	Power		6	32	10	Boyd	Feb.	3	1942	—	2247
Niobrara River	Iodence, Chas. G.	Hemingford	Lichte Canal Extension	Irrig.		27	29	48	Dawes	Aug.	17	1942	—	3531
DIVISION 2-D														
Bordeaux, Big	Adams, S. L.	Chadron	Adams Canal	Irrig.	.14	2	32	48	Dawes	June	2	1942	450	—
Bordeaux, Big	Locket, T. E.	Chadron	Locket Canal	Irrig.	.07	11	32	48	Dawes	June	2	1942	494	—
Bordeaux, Big	Naylor, Charles	Chadron	Mann Canal	Irrig.	.23	25	33	48	Dawes	June	2	1942	975	—
Bordeaux, Big	County of Dawes	Chadron	Dawes County Canal	Irrig.	.14	23	33	48	Dawes	June	2	1942	983	—
Bordeaux, Big	Meyer, Henry J.	Albion	Collins Reservoir	Irrig.	.31	14	32	48	Dawes	June	3	1942	—	780
Bordeaux, Big	Thomas Bros.	Chadron	Thomas Canal	Irrig.	*1.97	34	34	48	Dawes	June	2	1942	—	1748
Bordeaux, Big	Peterson, Margaret J.	Chadron	Peterson Pump	Irrig.	.05	25	33	48	Dawes	June	3	1942	—	2392
Bordeaux, Big	Pinkerton, Mrs. Geo. A.	Chadron	Kelso Pump No. 3	Irrig.	.14	14	33	48	Dawes	June	3	1942	—	2456
Bordeaux, Big	Nelson, Ernest E., et al	Chadron	Nelson Pump No. 1	Irrig.		14	33	48	Dawes	Oct.	20	1941	—	3413
Bordeaux, Little	Whitsel, Mrs. Sarah	Chadron	Butler Canal	Irrig.	.11	33	33	47	Dawes	June	2	1942	443	—
Bordeaux, Little	Preble, Howard	Chadron	Preble Pump	Irrig.	.02	4	32	47	Dawes	June	3	1942	—	2339
Larabee Creek	McParland, J. F., Jr.	Rushville	McParland Canal	Irrig.		21	34	44	Sheridan	Jan.	28	1942	—	3492
White River, Ravine, Trib. to	Kay, D. L.	Crawford	Kay Reservoir	Irrig.		15	32	51	Dawes	Feb.	3	1942	—	3455

*Denotes only part of appropriation canceled.

CLAIMS AND APPLICATIONS CANCELED FROM SEPTEMBER 30, 1940 TO SEPTEMBER 30, 1942—Concluded

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Sec.ft. Canceled	Location of Diversion or Dam				Date of Cancellation			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
DIVISION 2-E														
Antelope Creek	Gayhart, M. J.	Montrose	Gayhart Canal	Irrig.	2.43	16	34	55	Sioux	Aug.	16	1941		760
Hat Creek, Ravine, Trib. to	Vyzourek, Emil W.	Ardmore, S. D.	Vyzourek Reservoir	Irrig.		27	35	54	Sioux	May	13	1941		3280
Jim Creek	Dout, C. H.	Harrison	Doris Canal	Irrig.		8	33	56	Sioux	May	5	1941		3236
Monroe Creek	Wasserburger Bros.	Harrison	Wooden Shoe Reservoir	Irrig.	†225AF	22	33	56	Sioux	July	9	1942		1377
Sow Belly Cr.	Schaefer Cattle Co.	Harrison	Barnes Reservoir	Irrig.	†50AF	19	32	55	Sioux	Nov.	18	1941		1268
(Res. 1, A-2306)	Schaefer Cattle Co.	Harrison	Schaefer Canal No. 1	Supple. D-533		5	32	55	Sioux	Mar.	30	1942		2484
(Res. 2, A-2306)	Schaefer Cattle Co.	Harrison	Schaefer Canal No. 2	Supple. D-533		5	32	55	Sioux	Mar.	30	1942		2484
Squaw Creek	Shepherd Cattle Co.	Harrison	Dunn Res. Canal	Irrig.	.57	10	33	57	Sioux	June	16	1942		100
Squaw Creek	Shepherd Cattle Co.	Harrison	Dunn Canal	Irrig.	.19	3	33	57	Sioux	June	16	1942		376
DIVISION 2-F														
Elm Creek	Eagleton, Geo. B.	Decatur	Eagleton Pump	Irrig.		2	23	10E	Burt	May	3	1941		3228
Papillion, Big, North Fork	Schaefer, Andy	Omaha	Schaefer Pump	Irrig.		24	16	11E	Douglas	Apr.	9	1941		3262

APPLICATIONS DISMISSED FROM SEPTEMBER 30, 1940 TO SEPTEMBER 30, 1942

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Dismissal			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
South Platte R.	Goodall, Robt., et al	Ogallala	Goodall Reservoir	Irrig.					Deuel	Dec.	30	1940	—	1630
Blue River, Big	Black Brothers Flour Mills	Beatrice	Power Plant No. 2	Dredge A-1690		2	3	6E	Gage	Dec.	30	1940	—	1731
Blue River, Big	Black Brothers Flour Mills	Beatrice	Power Plant No. 2	Rs. Dam D-1047		17	2	7E	Gage	Dec.	30	1940	—	1732
Blue River, Big	Gage County Electric Company	Beatrice	Plant No. 5	Power		13	4	5E	Gage	Dec.	30	1940	—	1961
Loup River, North	North Loup Power Co.	North Loup	Scotia Power Plant	Power		27	17	12	Greeley	Dec.	30	1940	—	1995
Loup River, North	Steinmeyer, Geo. W.	Beatrice	North Loup Plant	Power		35	19	13	Valley	Dec.	30	1940	—	2011
Blue River, Lit.	Grant, Wm.	Lincoln	Plant No. 1	Power		9	2	2E	Jefferson	Dec.	30	1940	—	2043
Blue River, Lit.	Grant, Wm.	Lincoln	Plant No. 2	Power		26	2	2E	Jefferson	Dec.	30	1940	—	2044
Snake River	Western, Water Power and Irrig. Company	Scottsbluff	Snake River Plant No. 1	Power		9	31	30	Cherry	Dec.	30	1940	—	2062
Hoth Draw	O'Holleren, Jas.	Bayard	O'Halleren Pump	Power		28	21	52	Morrill	Dec.	22	1941	—	2147
Horse Creek	Mitchell Irrigation District	Mitchell	Mitchell Canal	Supple.		25	23	58	Scotts Bluff	Jan.	28	1942	—	2206
Niobrara River	Griffith, Harry B.	Omaha	Bristow Power Plant	Power		6	32	10	Boyd	Dec.	30	1940	—	2209
Deer Creek	Wagner, J. S.	Holbrook	Wagner Pump	Irrig.		23	4	24	Furnas	Dec.	30	1940	—	2215
North Platte R. and Tributaries	Farmers Irrigation District	Scottsbluff	Farmers Irrigation District Plant	Power		10	23	58	Scotts Bluff	Dec.	30	1940	—	2291
Loup River, Middle	Middle Loup Public Power & Irrig. Dist.	Arcadia	Middle Loup Hydroelectric Plant	Power		35	18	17	Custer	Apr.	13	1942	—	2292

APPLICATIONS DISMISSED FROM SEPTEMBER 30, 1940 TO SEPTEMBER 30, 1942—Concluded

Source	Name of Appropriator	Post Office	Carrier	Use to which applied	Provisional Grant in Sec.-ft.	Location of Diversion or Dam				Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D	Yr.		
Loup River	Grant, Wm.	Lincoln	Nebraska Utilities Hydroelectric Plant	Power		26	17	4	Nance	Dec.	30	1940		2295
Loup River, North	North Loup River Public Power and Irrig. District	Ord	Taylor-Ord Plant	Power		36	21	17	Loup	Dec.	30	1940		2313
			Ord-North Loup Plant	Power		32	19	13	Valley					
			Burwell-Sumpter Plant	Power		10	20	15	Valley					
Platte River	Grant, Wm.	Lincoln		Power		1	16	1E	Butler	Dec.	30	1940		2346
Indian Creek, Ravine, Trib. to	Meier, Minnie	Ardmore, S. D.	Meier Reservoir	Irrig.		29	35	54	Sioux	Oct.	28	1940		3246
Cedar Creek Middle Branch	Plunkett, Tom	Harrison	Cedar Creek Reservoir	Irrig.		3	32	56	Sioux	June	19	1941		3341
Pumpkin Creek	Schnell, E. George	Harrisburg	Schnell Canal	Irrig.		1	19	56	Banner	July	26	1941		3442
Antelope Creek, North Branch	Schnurr, A. L.	Harrison	Schnurr Canal	Irrig.		22	34	57	Sioux	July	26	1941		3447

PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 86, LAWS OF 1933, AMENDED 1937, 1939 and 1941
POWER AND IRRIGATION DISTRICTS

Name of District	Headquarters	Municipalities Constituting District	Proposed Area in Acres to be Reclaimed	Proposed Capacity of Reservoir in Acre-feet
Almeria Public Power and Irrigation District	Almeria	Strohl Voting Precinct in Loup County	3,603	———
Beaver-Sappa Public Power and Irrigation District	Stamford	Emerson, Eldorado, Orleans, Fairfield and Sappa Townships in Harlan County; Richmond, Maple Creek, Weaver, Eureka, Lincoln and Beaver City Voting Precincts in Furnas County	49,000	No. 1—40,000 No. 2—40,000
Benkelman-Haigler-Arickaree Public Irrigation District	Haigler	Haigler, Parks, Benkelman, Indian Creek and Max Voting Precincts in Dundy County; Stratton, Union and Pleasant View Voting Precincts in Hitchcock County	38,700	No. 1—45,000 No. 2— 1,500 No. 3—40,000
Blue Creek Public Power and Irrigation District	Lewellen	Lonergan and Belmar Voting Precincts in Keith County; Blue Creek, Lost Creek and Lisco Voting Precincts in Garden County; Eastwood Voting Precinct in Morrill County	30,000	35,000
Cedar Valley Public Power and Irrigation District	Cedar Rapids	Cedar, Spalding and Leo Valley Voting Precincts in Greeley County; Dublin, North Cedar, and South Cedar Voting Precincts in Boone County; Timber Creek, Cedar, Council Creek and Fullerton Voting Precincts and City of Fullerton in Nance County	30,800	20,000
The Central Nebraska Public Power and Irrigation District	Hastings	Adams, Phelps, Gosper and Kearney Counties	303,762	2,000,000
Dawson County Public Pump Irrigation District	Lexington	Dawson County	24,000	———

PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 86, LAWS OF 1933, AMENDED 1937, 1939 and 1941
POWER AND IRRIGATION DISTRICTS—Continued

Name of District	Headquarters	Municipalities Constituting District	Proposed Area in Acres to be Reclaimed	Capacity of Reservoir in Acre-feet
Dismal River Public Power and Irrigation District	Anselmo	Dunning Voting Precinct in Blaine County; Natick Voting Precinct in Thomas County; Hayes, Cliff, Kilfoil, and Victoria Voting Precincts in Custer County	30,000	.....
Hall County Public Pump Irrigation District	Wood River	Doniphan, South Platte, Jackson, Alda, Wood River, Cameron, Harrison, Center, Washington, exclusive of City of Grand Island, Martin and Lake Voting Precincts in Hall County	30,000	.....
Harvard Public Power and Irrigation District	Harvard	Eldorado, Harvard First, Harvard Second, and Lynn Voting Precincts in Clay County	20,000	.....
Imperial Valley Public Power and Irrigation District	Palisade	Village of Imperial, Pioneer and Fisher Voting Precincts in Chase County; Palisade, Beverly, Pleasant Hill, Riverside, Culbertson and Blackwood Voting Precincts in Hitchcock County; Perry, Willow Grove, Valley Grange and Driftwood Voting Precincts in Red Willow County	23,544	12,600
Loup River Public Power District	Columbus	Platte County		11,000 Regulating Reservoir
Merrick County Public Pump District	Central City	Merrick County	16,000	.....

Middle Loup Public Power and Irrigation District	Arcadia	Sargent, Comstock, Douglas Grove, Myrtle and Spring Creek Voting Precincts in Custer County; Geranium, Liberty, Arcadia and Yale Voting Precincts in Valley County; Washington, West Logan, Webster, West Loup City, East Loup City, Clay, Austin and Rockville Voting Precincts in Sherman County	49,473	.....
Mirage Flats Public Power and Irrigation District	Hay Springs	Craig Voting Precinct in Dawes County; Mirage and Running Water Voting Precincts in Sheridan County	20,000	No. 1—15,000 No. 2— 1,500 No. 3— 1,500
North Loup River Public Power and Irrigation District	Ord	Rockford and Burwell Village Voting Precincts in Garfield County; Taylor and Kent Voting Precincts in Loup County; Elyria, Ord Township, Ord City and North Loup Voting Precincts in Valley County	36,302	.....
Panhandle Public Pump Irrigation District	Alliance	Boyd, Lake, Box Butte, Wright, Running Water, Nonpariel, Dorsey, Snake Creek, Liberty and Lawn Voting Precincts, exclusive of City of Alliance in Box Butte County; Leonard Voting Precinct in Dawes County	10,000	.....
Platte Valley Public Power and Irrigation District	North Platte	Keith, Lincoln, Dawson, Buffalo and Hall Counties	193,708	200,000
The Republican River Public Power and Irrigation District	Superior	Turkey Creek, Farmers, Oak Grove, Bloomington, Franklin, Marion, Washington and Grant Voting Precincts in Franklin County; Inavale, Walnut Creek, Red Cloud, Line, Pleasant Hill, Garfield and Guide Rock Voting Precincts in Webster County; Bostwick, Beaver, Garfield and Hardy Voting Precincts in Nuckolls County	35,500	40,000
Sargent Public Irrigation District	Sargent	Sargent Voting Precinct No. 1, Including City of Sargent; Sargent Voting Precinct No. 2; West Union Voting Precinct and Milburn Voting Precinct, in Custer County	15,363	.....

PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 86, LAWS OF 1933, AMENDED 1937, 1939 and 1941
POWER AND IRRIGATION DISTRICTS—Concluded

Name of District	Headquarters	Municipalities Constituting District	Proposed Area in Acres to be Reclaimed	Capacity of Reservoir in Acre-feet
South Platte Public Power and Irrigation District	Ogallala	West Ogallala and East Ogallala Voting Precincts in Keith County	23,000	55,000
United Public Power and Irrigation District	Cambridge	Grant and Garfield Voting Precincts in Frontier County; North Valley, East Valley, Indianola, Red Willow and Fritch Voting Precincts in Red Willow County; Cambridge, Burtons Bend, Arapahoe, Edison, Logan, Weaver, New Era and Oxford Voting Precincts in Furnas County	13,000	34,000
White Tail Public Power and Irrigation District	Keystone	White Tail Voting Precinct in Keith County	7,000	21,000

PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 86, LAWS OF 1933, AMENDED 1937, 1939 and 1941
RURAL ELECTRIFICATION DISTRICTS

Name of District	Headquarters	Municipalities Constituting District
Boone and Nance Rural Public Power District	St. Edward	Boone and Nance Counties
Buffalo County Public Power District	Kearney	Buffalo County, Exclusive of City of Ravenna and City of Kearney
Burt County Rural Public Power District	Tekamah	Burt County
Butler County Rural Public Power District	David City	Butler County, Exclusive of City of David City
Cedar-Knox County Rural Public Power District	Hartington	Cedar County, Hill, Merrick, Frankfort, Eastern, Dolphin, Dowling, Lincoln and Columbia Townships in Knox County
Chimney Rock Public Power District	Bayard	Morrill County; Dewey; Field, Tabor, Highland and Castle Rock Voting Precincts in Scotts Bluff County
Clay County Rural Public Power District	Clay Center	Clay County
Consumers Public Power District	Columbus	City of Columbus in Platte County—Also Incorporated Cities and Villages Which Are Furnished Electrical Energy at Retail by District
Cuming County Rural Public Power District	West Point	Cuming County, Exclusive of City of Wisner and City of West Point
Dawson County Public Power District	Lexington	Dawson County
Eastern Nebraska Public Power District	Syracuse	Richardson, Pawnee, Nemaha, Johnson, Cass, Otoe, Sarpy and Saunders Counties; Mill and Stevens Creek Voting Precincts In Lancaster County
Gering Valley Rural Public Power District	Gering	Roubadeaux and Gering Voting Precincts, Exclusive of City of Gering in Scotts Bluff County
Howard County Rural Public Power District	St. Paul	Howard County
McCook Public Power District	McCook	City of McCook in Red Willow County
Madison County Rural Public Power District	Battle Creek	Norfolk Voting Precinct (Outside City of Norfolk), Valley, North Deer Creek, South Deer Creek, Meadow Grove, Jefferson, Grove, Highland, Battle Creek, Warnerville, Enola, Union, Fairview, Schoolcraft, Emerick, Shell Creek, Kalamazoo, Green Garden, and Madison (Outside City of Madison) Voting Precincts, in Madison County

PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 86, LAWS OF 1933, AMENDED 1937, 1939 and 1941
RURAL ELECTRIFICATION DISTRICTS—Concluded

Name of District	Headquarters	Municipalities Constituting District
Norris Rural Public Power District	Fairbury	Thayer County, Exclusive of City of Hebron; Jefferson County, Exclusive of City of Fairbury; Saline County, Exclusive of City of Crete and City of Wilber; Gage County, Exclusive of City of Beatrice and City of Wymore; Lancaster County, Exclusive of Lancaster Voting Precinct and the City of Lincoln
Northeast Nebraska Rural Public Power District	Emerson	All of Dixon County; Emerson, Pigeon, Summit, St. Johns, Hubbard and Omadi Voting Precincts in Dakota County; Perry, Flourney, Thayer and Pender Voting Precincts in Thurston County
Platte County Rural Electrification District (Subdivision of Loup River Public Power Dist.)	Columbus	Platte County
Polk County Rural Public Power District	Stromsburg	Silver Creek and Clarksville No. 1 Voting Precincts in Merrick County; all of Polk County Exclusive of Cities of Stromsburg and Osceola
Roosevelt Rural Public Power District	Mitchell	Ford, Fanning, Kiowa, Mitchell and Funston Voting Precincts in Scotts Bluff County; Spotted Tail, Townsend and Roosevelt Voting Precincts in Sioux County
Seward County Rural Public Power District	Seward	Seward County
Southern Nebraska Rural Public Power District	Grand Island	Phelps County, Exclusive of the City of Holdrege; Kearney County, Exclusive of the City of Minden; Adams County, Exclusive of the City of Hastings and Logan, Silver Lake, Zero and Little Blue Precincts; Hall County, Exclusive of City of Grand Island; Merrick County, Exclusive of Central City, Clarksville No. 1 and Silver Creek Voting Precincts; Hamilton County, Exclusive of City of Aurora
Stanton County Rural Public Power District	Stanton	Stanton County

Wayne County Rural Public Power District	Wayne	Hoskins, Garfield, Sherman, Hancock, Chapin, Deer Creek, Brenna, Strahan, Wilber, Plum Creek, Hunter, Leslie, Logan, Winside Voting Precincts, Said Voting Precincts Constituting All of the Territory of the County of Wayne with the Exception of the Voting Precincts Which Constitute, and Are Located Within the Corporate Limits of the City of Wayne
York County Rural Public Power District	York	Arborville, Morton, Thayer, Stewart, Bradshaw, Lockridge, New York Voting Precinct Omitting Any Territory Which is Within the Corporate Limits of the City of York, Waco, Brown, Baker Voting Precinct Omitting Any Territory Which is Within the Corporate Limits of the City of York, Leroy Voting Precinct Omitting Any Territory Which is Within the Corporate Limits of the City of York, Beaver, Henderson (A), Henderson (B), Hayes, McFadden and West Blue Voting Precincts, All Within York County

PUBLIC DISTRICTS DISSOLVED

Name of District	Headquarters	Remarks	Date of Dissolution
Hall County Rural Public Power District	Wood River	All of District Included in Southern Nebraska Rural Public Power District	April 11, 1942
Hamilton County Rural Public Power District	Aurora	All of District, Excepting City of Aurora, Included in Southern Nebraska Rural Public Power District	April 11, 1942
Lancaster County Rural Public Power District	Walton	All of District, Excepting Lancaster Voting Precinct Included in Norris Rural Public Power District	August 3, 1942
Merrick County Rural Public Power District	Central City	All of District Included in Southern Nebraska Rural Public Power District, Excepting Clarksville No. 1 and Silver Creek Voting Precincts Which Are Included in Polk County Rural Public Power District	April 11, 1942
Southeastern Nebraska Rural Public Power District	Beatrice	All of District, Excepting Cities of Beatrice and Wymore Included in Norris Rural Public Power District	July 2, 1942
Thayer County Rural Public Power District	Hebron	All of District, Excepting the City of Hebron, Included in Norris Rural Public Power District	June 15, 1942

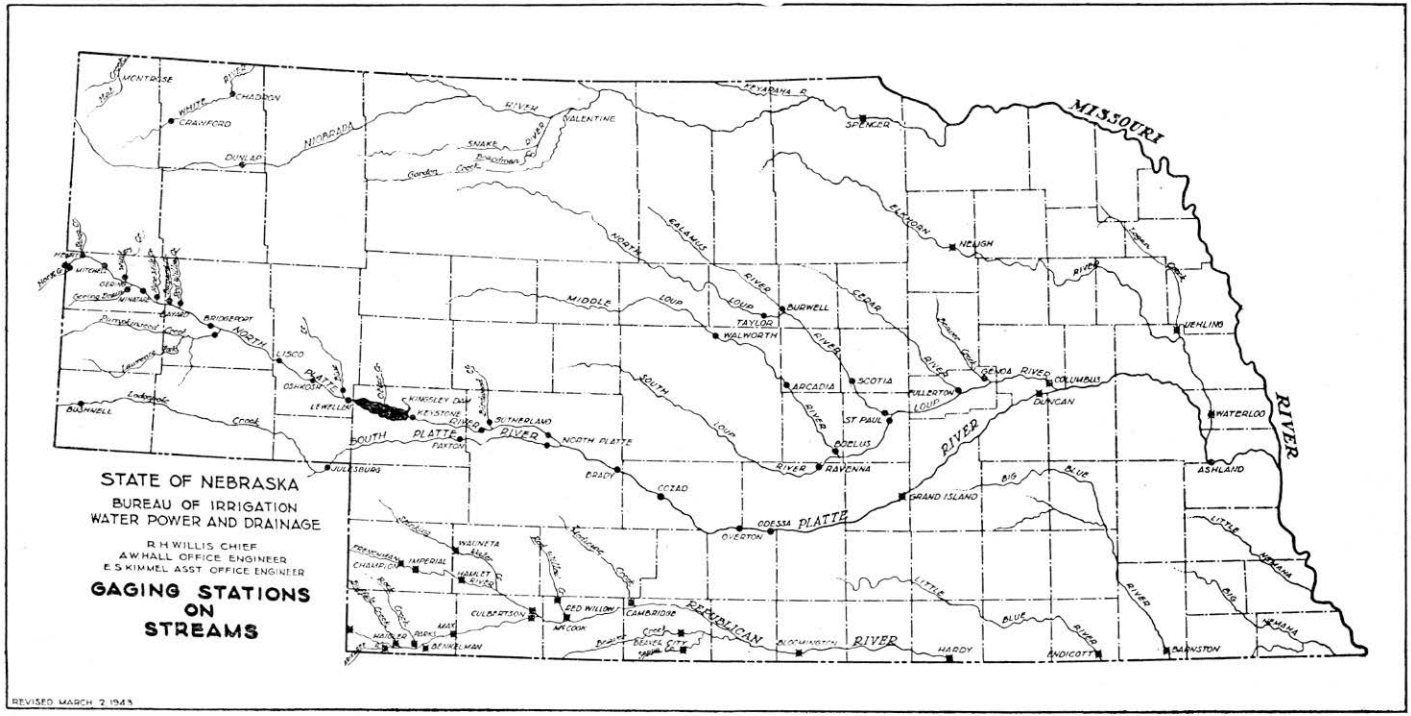
DRAINAGE DISTRICTS

Below is a complete list of drainage districts of record in this Bureau:

County	Name of District	Date of Approval of Plans
Buffalo	John Swenson Drainage Ditch	Nov. 5, 1929
Burt-Thurston	Lyons Drainage Ditch	
Burt-Washington	Burt-Washington County Drainage Dist. No. 1	Aug. 2, 1915
Burt-Washington	Burt-Washington County Drainage Dist. No. 2	Feb. 19, 1925
Burt-Washington	Peterson Bend Protection District	Sept. 2, 1921 (Retards)
Butler	Yanike Drainage District	
Butler	Drainage Dstrict No. 1	Aug. 5, 1918
Butler	Drainage District No. 2	July 26, 1917
Cedar	Laurel Drainage District	Dec. 15, 1925
Cherry	Horseshoe Lake Drainage District	Aug. 8, 1916
Cherry	Gay Lake Drainage District	Sept. 1, 1922
Cherry	Boardman Drainage District	June 23, 1923
Cherry	Coffey Lake Drainage District	Dec. 16, 1924
Cherry	Mile Board Drainage District	Sept. 30, 1925
Colfax	Platte Valley Drainage District	Dec. 28, 1920
Dakota	Drainage District No. 2	April 18, 1914
Dakota	Homer Drainage District	Jan. 10, 1919
Dakota	Dakota City Drainage District	April 3, 1922
Dakota	Omadi Drainage District	Dec. 13, 1924
Dakota	Drainage District No. 5	July 10, 1930
Dawson	Drainage District No. 1	July 5, 1929
Dawson	Drainage District No. 2	June 7, 1930
Dawson	Drainage District No. 3	May 1, 1931
Dixon-Wayne-Thurston	Wakefield Drainage District	Jan. 18, 1917
Dixon-Cedar	Brookey Bottom Drainage District	Sept. 11, 1922 (Retards)
Dixon-Cedar	North and South Logan Drainage District	Feb. 17, 1925
Dodge-Washington	Elkhorn River Drainage District (Cut-Off "H")	
Douglas	Little Papillion Drainage District	Mar. 2, 1920
Douglas	East Omaha Drainage District	Oct. 8, 1921
Douglas	Elkhorn Valley Drainage District (Safford Ditch)	Jan. 9, 1926
Douglas	Papio Drainage District No. 2	June 5, 1926
Douglas-Sarpy	Elkhorn Valley Drainage District	June 24, 1919
Douglas-Sarpy	Elkhorn Valley Drainage District (Elkhorn River Cut-Off and Extension of Main Ditch No. 3)	Nov. 8, 1922
Douglas-Sarpy	Elkhorn Valley Drainage District	May 26, 1923 (Retards)
Fillmore	Drainage District	
Franklin	Republican River Drainage District	
Frontier	Drainage District No. 1	Mar. 31, 1915
Furnas	Republican River Control	July 22, 1931

DRAINAGE DISTRICTS—Concluded

County	Name of District	Date of Approval of Plans
Garden	Garden County Improvement and Drainage District No. 1. (Oshkosh Drainage District)	June 28, 1932
Knox	Frankfort Bottom Drainage District	Mar. 3, 1923 (Retards)
Lancaster	Salt Creek Drainage District	
	Lancaster Drainage District No. 1	
Lincoln	Drainage District No. 1	Mar. 23, 1922
Lincoln	Drainage District No. 2	Dec. 4, 1929
Madison	Norfolk Drainage District	Mar. 18, 1924
Merrick	Drainage District No. 1	Feb. 17, 1916
Merrick	Drainage District No. 2	May 10, 1921
Morrill	Minatare Drainage District	
Nemaha	Drainage District No. 3	July 6, 1916
Nemaha	Peru Drainage District No. 6	April 19, 1927
Nuckolls	Drainage District No. 1	
Otoe-Johnson	Drainage District No. 1	Oct. 31, 1914
Otoe-Johnson	Drainage District No. 1 (Spring Creek Cut-Off Ditch)	Sept. 15, 1932
Platte	Holdrege Drainage District	
Richardson	Drainage District No. 1	
Richardson	Drainage District No. 2	
Richardson	Drainage District No. 3	Dec. 24, 1921
Richardson	Drainage District No. 4	April 13, 1916
Richardson	Drainage District No. 5	May 8, 1920
Richardson	Drainage District No. 6	Sept. 18, 1930
Richardson	Barada Drainage District	June 6, 1921
Sarpy	Western Sarpy Drainage District	Nov. 15, 1917
Sarpy	Western Sarpy Drainage District (Extenson of Hendrichs Ditch)	Aug. 19, 1924
Sarpy	Bellevue Drainage District	Aug. 4, 1921
Sarpy	Chalco-Portal Drainage District	Mar. 15, 1922
Sarpy	South Buffalo Creek Drainage District	May 25, 1926
Sarpy	Rudersdorf Drainage District	Feb. 15, 1927
Sarpy	Zimmerman Drainage District	Mar. 16, 1929
Saunders	Clear Creek Drainage District (Johnson Creek Ditch No. 6)	Aug. 13, 1925
Saunders	Clear Creek Drainage District (Extension of Main and Branch Ditch)	July 3, 1930
Saunders	Leshara Drainage District	Sept. 18, 1930
Scotts Bluff	Scotts Bluff Drainage District	Feb. 28, 1918
Scotts Bluff	Scotts Bluff Drainage District No. 2	Feb. 2, 1932
Scotts Bluff	Gering Drainage District	June 2, 1920
Scotts Bluff	Morrill Drainage District	
Seward	Utica Drainage District	
Stanton	Humbug Drainage District	Mar. 15, 1921
Thurston	Pender Drainage District	Feb. 21, 1918
Thurston	Drainage District No. 2	Sept 2, 1932
Washington	Papio Valley Drainage District	Mar. 8, 1926



STATE OF NEBRASKA

BUREAU OF IRRIGATION
WATER POWER AND DRAINAGE

R.H. WILLIS CHIEF
A.W. HALL OFFICE ENGINEER
E.S. KIMMEL ASST. OFFICE ENGINEER

GAGING STATIONS ON STREAMS

REVISED MARCH 2 1943

DESCRIPTIONS OF GAGING STATIONS

NORTH PLATTE RIVER BELOW PATHFINDER DAM, WYOMING

LOCATION:—In Section 24, Township 29 North, Range 84 West. Discharge measurements made from a cable located about 25 yards above the recorder shelter. Maintained by the United States Bureau of Reclamation.

ELEVATION:—Approximately 5,650 feet above mean sea level.

DISTANCE FROM RESERVOIR:—About ¼ mile below dam.

DRAINAGE AREA:—10,700 square miles.

CHANNEL:—200 feet wide with rock bottom.

GAGE:—A chain gage located just above the recorder shelter.

RECORDER:—Stevens Type E automatic recorder installed by the United States Bureau of Reclamation in 1932 on the north bank of the river.

OBSERVER:—Observations made and discharges furnished by the United States Bureau of Reclamation.

RECORDS AVAILABLE:—May 1, 1905, to September 30, 1942.

NORTH PLATTE RIVER BELOW ALCOVA DAM, WYOMING

LOCATION:—In Section 19, Township 30 North, Range 82 West. Discharge measurements made from a cable located about 10 yards above the recorder shelter. Maintained by the United States Bureau of Reclamation.

ELEVATION:—Approximately 5,330 feet above mean sea level.

DISTANCE FROM RESERVOIR:—About ¼ mile below dam.

DRAINAGE AREA:—10,720 square miles.

CHANNEL:—300 feet wide with gravel bottom.

GAGES:—Vertical staff about 15 yards from bank at recorder shelter. Vertical staff in stilling well. Tape hook gage in stilling well.

RECORDER:—Stevens Type E automatic recorder installed by the United States Bureau of Reclamation on the south bank of the river.

OBSERVER:—Observations made and discharges furnished by the United States Bureau of Reclamation.

RECORDS AVAILABLE:—October 1, 1936, to September 30, 1942.

NORTH PLATTE RIVER BELOW GUERNSEY DAM, WYOMING

LOCATION:—In Section 35, Township 27 North, Range 66 West, ¾ of a mile below Guernsey Dam and 1 mile northwest of Guernsey. Discharge measurements are made from a cable located about 100 yards below the recorder. Maintained by the United States Bureau of Reclamation.

ELEVATION:—4,430 feet above mean sea level.

DISTANCE FROM PATHFINDER RESERVOIR:—192 miles.

DRAINAGE AREA:—16,200 square miles.

GAGE:—Slope gage on river bank.

RECORDER:—Stevens Type E automatic recorder installed by the United States Bureau of Reclamation on the south bank of the river.

OBSERVER:—Observations made and discharges furnished by the United States Bureau of Reclamation.

RECORDS AVAILABLE:—October 1, 1927, to September 30, 1942.

NORTH PLATTE RIVER BELOW WHALEN, WYOMING

LOCATION:—In the SW¼ of Section 12, Township 26 North, Range 65 West, 2¼ miles below Whalen Dam. Established April 16, 1938. Maintained by Wyoming, United States Geological Survey, and the United States Bureau of Reclamation under a co-operative agreement.

ELEVATION:—Approximately 4,250 feet above mean sea level.

DISTANCE FROM PATHFINDER:—200 miles.

DRAINAGE AREA:—16,300 square miles.

BENCH MARKS:—No. 1 is standard tablet set in concrete block, located 30 feet upstream and in line with front of shelter. Elevation, 8.96 feet. No. 2 is standard tablet in concrete block located 32 feet southeast of shelter on side of second bank. Elevation, 11.38 feet.

GAGE:—Cantilever chain gage, scale 0-10.1, located 11 feet downstream. Adjustable reference point in edge of recorder shelf. Elevation, 11.35 feet.

RECORDER:—A Stevens Type A-35 recorder in small timber shelter on north bank ½ mile below the sand sluice on the Interstate Canal.

OBSERVER:—Employees of the United States Bureau of Reclamation.

RECORDS AVAILABLE:—April 16, 1938, to September 30, 1942.

REMARKS:—Discharge records obtained by subtracting flow of Interstate and Fort Laramie Canals from Guernsey Reservoir Outflow prior to the establishment of this station.

NORTH PLATTE RIVER AT WYOMING-NEBRASKA STATE LINE HENRY, NEBRASKA

LOCATION:—In the NE¼ of Section 10, Township 23 North, Range 60 West, ¼ mile above the Wyoming-Nebraska State line, about 500 feet below the headgate of the Mitchell Canal. Established April 29, 1929. Maintained by Nebraska, Wyoming, and the United States Geological Survey under a co-operative agreement. Measurements made by wading or from cable at recorder shelter.

ELEVATION:—Approximately 4,035 feet above mean sea level.

DISTANCE FROM PATHFINDER:—240 miles.

DRAINAGE AREA:—22,100 square miles.

BENCH MARKS:—No. 1 is the top of a bolt in concrete on top of cable anchorage on south bank. Elevation, 5.04 feet. No. 2 is a standard tablet set in concrete post 25 feet northeast of shelter on north bank. Elevation, 4.84 feet. Adjustable reference point in edge of recorder shelf. Elevation, 9.52 feet.

GAGE:—Outside gage is boxed cantilever chain gage on north bank just below shelter. Chain length, 17.08 feet. This gage was changed to north bank April 16, 1932.

RECORDER:—Stevens continuous recorder installed November 6, 1929, and has been in continuous operation.

OBSERVER:—Water commissioner during the irrigation season.

RECORDS AVAILABLE:—May 1, 1929, to September 30, 1942.

HIGHEST GAGE READING:—3.67, July 12, water year 1941.
4.38, May 13, water year 1942.

LOWEST GAGE READING:—0.75, May 16, water year 1941.
0.95, April 22, water year 1942.

NORTH PLATTE RIVER AT MITCHELL

LOCATION:—Highway bridge near the southwest corner of Section 27, Township 23 North, Range 56 West, ¾ mile south of Mitchell. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Approximately 3,945 feet above mean sea level.

DISTANCE FROM PATHFINDER:—253 miles.

DRAINAGE AREA:—24,300 square miles.

BENCH MARKS:—No. 1 is a cross chiseled in concrete on extreme outer end of the southeast wingwall of the south or right abutment. Elevation, 13.39 feet. Gage datum lowered one foot July 1, 1942. No. 2 is bridge drift pin driven horizontally into old timber piling eight feet south of shelter and eight feet downstream from the bridge. Elevation, 3.81 feet.

NORTH PLATTE RIVER AT MITCHELL—CONCLUDED

GAGE:—Outside chain and weight gage installed July 1, 1942, to replace old staff gage. Chain length 18.60 feet. Gage datum lowered one foot July 1, 1942.

RECORDER:—Stevens continuous recorder was installed October, 1927, by the State of Nebraska and has been in operation to date.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—From June 2, 1901, to July 10, 1913, and April 18, 1916, to September 30, 1942.

HIGHEST GAGE READING:—4.43, June 10, water year 1941.
5.47, May 14, water year 1942.

LOWEST GAGE READING:—0.39, July 26, water year 1941.
0.65, June 20, water year 1942.

NORTH PLATTE RIVER AT MINATARE

LOCATION:—In Section 13, Township 21 North, Range 54 West, 250 feet above highway bridge, 1¾ miles southwest of Minatare. Established in May, 1916. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Approximately 3,820 feet above mean sea level.

DISTANCE FROM PATHFINDER:—270 miles.

DRAINAGE AREA:—24,700 square miles.

BENCH MARKS:—No. 1 is a cross chiseled in concrete near corner of bridge ledge about 1 foot above floor level on upstream side and at end of north abutment wingwall. Elevation, 11.12 feet. No. 2 is a standard tablet in concrete post, 23 feet downstream from bridge, at station 78. Elevation, 3.69 feet. Adjustable reference point in edge of recorder shelf. Elevation, 10.70 feet.

GAGE:—Outside gage is a 0-3.3 foot enamel scale, 10 feet downstream, fastened to 2x8 timber driven into bed of stream and spiked securely to large log.

RECORDER:—Stevens Type A-30 continuous recorder in standard timber shelter on north bank of stream. Installed July 21, 1936, by the United States Geological Survey.

OBSERVER:—Water commissioner during the irrigation season.

RECORDS AVAILABLE:—May, 1916, to September 30, 1942, with the exception of the year 1920.

HIGHEST GAGE READING:—4.50, June 11, water year 1941.
5.15, May 14, water year 1942.

LOWEST GAGE READING:—0.55, May 29, water year 1941.
0.44, July 10, water year 1942.

NINE MILE CHANNEL OF NORTH PLATTE RIVER NEAR MINATARE

LOCATION:—At highway bridge west line of Section 18, Township 21 North, Range 53 West, about 700 feet north of river bridge across main channel and 1½ miles southwest of Minatare. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is head of ¼-inch bolt driven horizontally in 30-inch cottonwood tree located 200 feet to left and 60 feet downstream from shelter. Elevation, 5.85 feet. No. 2 is head of ¼-inch bolt driven horizontally in 8-inch cottonwood tree located 150 feet to right and 60 feet downstream from shelter. Elevation, 6.97 feet. No. 3 is head of 60d spike driven vertically in top of old cut off piling located 15 feet downstream from shelter. Elevation, 5.73 feet. Adjustable reference point. Elevation, 8.77 feet.

GAGE:—Outside gage is cantilever chain gage located 5 feet upstream from shelter. Chain length, 6.63 feet. Datum is same as that of staff gage used previously located 25 feet downstream.

RECORDER:—Stevens A-35 present recorder in small timber shelter located 25 feet upstream from bridge on north bank. Installed January 16, 1941.

OBSERVER:—Water commissioner during the irrigation season.

HIGHEST GAGE READING:—3.90, June 11, water year 1941.
3.98, May 14, water year 1942.

LOWEST GAGE READING:—0.40, May 29, water year 1941.
0.60, July 7, water year 1942.

REMARKS:—This channel is measured separately from the flow in the North Platte River near Minatare, and added to give the combined flow passing Minatare. It has always been measured as part of flow at Minatare.

NORTH PLATTE RIVER AT BRIDGEPORT

LOCATION:—At concrete highway bridge, consisting of 23 spans of 30 feet clear waterway, in Section 28, Township 20 North, Range 50 West, ½ mile north of Bridgeport. Established in May, 1902. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—3,656.15 feet above mean sea level.

DISTANCE FROM PATHFINDER:—293 miles.

DRAINAGE AREA:—25,300 square miles.

BENCH MARKS:—No. 2 is the head of two spikes driven horizontally in tree stump 16 feet downstream from station 38, at south end of bridge. Elevation, 9.02 feet. No. 3 is a cross on top of con-

NORTH PLATTE RIVER AT BRIDGEPORT—CONCLUDED

crete abutment at south end of bridge. Elevation, 15.62 feet. No. 4 is a standard United States Coast and Geodetic Survey bench mark at rear of office of State Bureau of Irrigation. Elevation, sea level datum, 3,666.32 feet. Zero of gage is 3,656.15 feet, sea level datum. Reference point is the slot in screw head on face of recorder shelf. Elevation, 16.73 feet.

GAGE:—Outside vertical staff, consisting of a 3.33 to 6.70 scale on a plank bolted to downstream piling on 8th pier from south abutment.

RECORDER:—Stevens Long Distance recorder Type CA was moved from south end of bridge August 26, 1941, and installed in shelter attached to 8th pier from the south end of bridge on downstream side. Registering recorder is located in State Bureau of Irrigation office building.

OBSERVER:—Office engineer, and water commissioner during irrigation season.

RECORDS AVAILABLE:—From May, 1902, to 1906, and 1915, to September 30, 1942.

HIGHEST GAGE READING:—7.16, June 12, water year 1941.
8.16, May 15, water year 1942.

LOWEST GAGE READING:—4.08, July 26, water year 1941.
4.42, July 10, water year 1942.

REMARKS:—Browns Creek Channel is measured separately from the main river channel and added to give the combined flow passing Bridgeport.

NORTH PLATTE RIVER AT LISCO

LOCATION:—Steel highway bridge, consisting of eight 80-foot spans, in Section 33, Township 18 North, Range 46 West, ½ mile south of Lisco. Established September 9, 1931. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Approximately 3,540 feet above mean sea level.

DISTANCE FROM PATHFINDER:—321 miles.

DRAINAGE AREA:—26,900 square miles.

BENCH MARKS:—No. 1 is a cross chiseled in concrete near corner of bridge seat at downstream end of south abutment. Elevation, 8.68 feet. No. 2 is the top of pier directly above top of staff gage. Elevation, 8.84 feet. Reference point is the slot in brass screw head in face of recorder shelf. Elevation, 12.59 feet.

GAGE:—A vertical staff gage consisting of 0-6.7 foot enamel scale attached to downstream end of first concrete pier from south end of bridge.

RECORDER:—Stevens Type A-30 continuous recorder, installed May 4, 1932, by the United States Geological Survey, in corrugated iron shelter attached to downstream end of first pier from south end of bridge.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—April 10, 1916, to October 31, 1917, and September 9, 1931, to September 30, 1942.

HIGHEST GAGE READING:—2.90, June 13, water year 1941.
3.35, May 16, water year 1942.

LOWEST GAGE READING:—0.36, July 29, water year 1941.
0.45, July 19, water year 1942.

NORTH PLATTE RIVER AT OSHKOSH

LOCATION:—Steel truss bridge consisting of seven 98-foot spans, in Section 2, Township 16 North, Range 44 West, about 1½ miles south of Oshkosh. Established March 1, 1928. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Approximately 3,370 feet above mean sea level.

DISTANCE FROM PATHFINDER:—348 miles.

DRAINAGE AREA:—27,500 square miles.

BENCH MARKS:—No. 1 is the top of reinforcing bar in north downstream corner of first pier from south bank. Elevation, 9.22 feet. No. 2 is the top of 5/8-inch bolt set in top of south downstream bridge seat. Elevation, 9.02 feet. Reference point is the slot in screw head set in edge of recorder shelf. Elevation, 13.20 feet.

GAGE:—Outside staff gage consisting of 0-6.7 foot enamel scale attached to pier near shelter.

RECORDER:—Stevens Type A-30 continuous recorder, installed April 23, 1933, by the United States Geological Survey, in corrugated iron shelter attached to downstream end of second pier from south bank of stream.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—April 7, 1916, to October 30, 1917, and from March 1, 1928, to September 30, 1942.

HIGHEST GAGE READING:—3.04, June 13, water year 1941.
3.70, May 16, water year 1942.

LOWEST GAGE READING:—0.60, July 31, water year 1941.
0.79, July 11, water year 1942.

NORTH PLATTE RIVER NEAR LEWELLEN

LOCATION:—In Section 34, Township 16 North, Range 42 West, about 1 mile southeast of Lewellen and 1 mile upstream from high water line of Kingsley Reservoir. The river is divided into north and south channels and station is located at highway bridges.

ELEVATION:—Approximately 3,285 feet above sea level.

DISTANCE FROM PATHFINDER:—365 miles.

DRAINAGE AREA:—28,500 square miles.

BENCH MARKS:—North channel. No. 1 is a cross on top of concrete rail at northwest end of bridge. Elevation, 18.71 feet.

South channel. No. 1 is a cross on top of concrete bridge rail at northwest end of bridge. Elevation, 17.73 feet.

GAGE:—Outside staff gages, calibrated from 0 to 6.6 feet, are provided for each channel. They are fastened on timbers between still well and pier.

RECORDER:—Two Stevens Type A-35 recorders were furnished for this station by The Central Nebraska Public Power and Irrigation District. They were installed December 1, 1940, in box shelters on 24-inch galvanized iron still wells fastened to bridge piers. The elevation of the reference point on north channel is 19.03 and for the south channel 18.18 feet.

OBSERVER:—Water commissioner during irrigation season and employees of The Central Nebraska Public Power and Irrigation District during the remainder of the year.

RECORDS AVAILABLE:—December 1, 1940, to September 30, 1942.

HIGHEST GAGE READING:—

North Channel.	4.85, June 14, water year 1941.
	5.40, May 16, water year 1942.
South Channel.	5.42, June 14, water year 1941.
	5.98, May 16, water year 1942.

LOWEST GAGE READING:—

North Channel.	2.45, August 15, water year 1941.
	2.35, July 18, water year 1942.
South Channel.	2.30, August 15, water year 1941.
	2.74, July 17, water year 1942.

NORTH PLATTE RIVER NEAR KEYSTONE

LOCATION:—In Section 1, Township 14 North, Range 38 West, approximately 1 mile below the Sutherland reservoir supply canal diversion dam.

ELEVATION:—Approximately 3,105 feet above mean sea level.

DISTANCE FROM PATHFINDER:—388 miles.

DRAINAGE AREA:—30,000 square miles.

BENCH MARKS:—No. 1 is two 20d spikes driven horizontally in an eight-inch tree 100 feet downstream from shelter. Elevation, 7.55 feet. Sea level elevation, 3,111.49 feet. No. 2 is standard brass marker set in concrete 30 feet south of upstream side of shelter. Elevation, 13.47 feet.

GAGE:—Outside chain gage on cantilever arm attached to downstream side of shelter. Length of chain and weight, 18.21 feet.

RECORDER:—Stevens A-35 recorder provided by The Central Nebraska Public Power and Irrigation District. Installed December 29, 1940, in wooden shelter on south bank set over a 36-inch corrugated metal pipe still well. Reference point for inside tape gage; elevation, 12.50 feet.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—July 1, 1939, to September 30, 1939. May 1, 1940, to September 30, 1940. January 1, 1941, to May 18, 1941. March 1, 1942, to September 30, 1942.

NORTH PLATTE RIVER AT SUTHERLAND

LOCATION:—At highway bridge in Section 4, Township 14 North, Range 33 West, 3½ miles north of Sutherland. Established April 25, 1936. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Approximately 2,930 feet above mean sea level.

DISTANCE FROM PATHFINDER:—405 miles.

DRAINAGE AREA:—31,700 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in top of a concrete post located 245 feet from north end of bridge, and 25 feet downstream from center line of road. Elevation, 9.17 feet. No. 2 is a cross chiseled in concrete ledge and painted red, at extreme north end of downstream guardrail. Ledge is about 2½ feet above bridge floor. Elevation, 15.27 feet. Adjustable reference point on floor of shelter. Elevation, 18.16 feet.

GAGE:—Outside staff gage is a 0-6.74 foot enamel scale fastened to a 2″x6″x12′ board on the downstream side of pier to which well and shelter are fastened.

RECORDER:—Stevens Type A-35 recorder was moved from original location on fourth pier from the north bank to first pier from north bank on July 17, 1942. Original installation on April 25, 1936. Maintained by Nebraska and United States Geological Survey under a co-operative agreement.

OBSERVER:—Water commissioner during irrigation season.

NORTH PLATTE RIVER AT SUTHERLAND—CONCLUDED

RECORDS AVAILABLE:—April 25, 1936, to September 30, 1942.

HIGHEST GAGE READING:—4.13, July 28, water year 1941. 4.25, September 2, water year 1942.

LOWEST GAGE READING:—2.42, August 15, water year 1941. 2.55, July 7, water year 1942.

NORTH PLATTE RIVER AT NORTH PLATTE

LOCATION:—Concrete highway bridge consisting of 14 spans, in Section 28, Township 14 North, Range 30 West, ½ mile north of the city of North Platte, and about 4½ miles above junction with South Platte River. Established February 25, 1895. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Approximately 2,795 feet above mean sea level.

DISTANCE FROM PATHFINDER:—422 miles.

DRAINAGE AREA:—32,000 square miles. United States Geological Survey.

BENCH MARKS:—No. 1 is top of nose of pier on upstream side of bridge 360 feet from south end of bridge. Elevation, 10.84 feet. No. 4 is cross on south end of bed plate on top of downstream end of first pier from south end of bridge. Elevation, 10.44 feet. No. 5 is top of parapet at junction of wingwall and abutment on outside corner of upstream south abutment. Elevation, 11.92 feet.

GAGE:—0-6.7 foot vertical staff gage fastened to the first pier from the south end of bridge on the downstream side.

RECORDER:—Stevens Type A-27 continuous recorder, in corrugated iron shelter attached to downstream side of first pier from south end of bridge. Installed by the State of Nebraska.

OBSERVER:—A. W. Shilling, North Platte.

RECORDS AVAILABLE:—February 25, 1895, to September 30, 1942.

HIGHEST GAGE READING:—3.32, July 29, water year 1941. 4.20, September 3, water year 1942.

LOWEST GAGE READING:—1.76, August 14, water year 1941. 1.94, July 19, water year 1942.

SOUTH PLATTE RIVER AT JULESBURG

LOCATION:—On timber highway bridge with concrete floor, in Section 33, Township 12 North, Range 44 West, about 1 mile south of Julesburg, Colorado, on Highway No. 51. The river is divided into four channels, numbered 1, 2, 3, and 4, beginning with the south chan-

nel. During the last 12 years channel No. 2 has been the most important. Channel No. 1 is silted and carries very little water. Channels 3 and 4 are practically dry. During flood periods the four channels become one. Established April 2, 1902. Maintained by the State of Colorado, the State of Nebraska, and the United States Geological Survey.

ELEVATION:—Approximately 3,450 feet above mean sea level.

DRAINAGE AREA:—20,600 square miles.

BENCH MARKS:—Channel No. 1. No. 1 is a standard brass tablet located between the recorder shelter and the highway. Elevation, 8.26 feet. Reference point is the slot in screw head in edge of recorder shelf. Elevation, 10.75 feet.

Channel No. 2. No. 1 is a standard brass tablet set in concrete block located about 75 feet southeast of recorder shelter. Elevation, 6.07 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 11.35 feet. Gage lowered 1.00 foot October 2, 1940, and correction applied to all gage heights June 30, to September 30, 1942.

Channel No. 3. No. 1 is two spikes in top of piling farthest from bridge on wingwall on east side and south end of north span of bridge. Elevation, 100.00 feet. Elevation of zero of chain gage is 86.57 feet.

Channel No. 4. No. 1 is standard brass tablet set in concrete block located next to the fence, and about 50 feet upstream from shelter. Elevation, 6.16 feet. Reference point is slot in screw head in edge of recorder shelf. Elevation, 8.41 feet.

GAGES:—Channel No. 1. Cantilever chain gage 4 feet upstream from shelter, 17.58 feet long.

Channel No. 2. Cantilever chain gage 17.13 feet long, 20 feet downstream from shelter. Gage lowered 1.00 foot October 2, 1940, and correction applied to all gage heights June 30, to October 2, 1940.

Channel No. 3. Chain gage on downstream side of highway bridge about 50 feet north of south end of span over channel No. 3, 17.28 feet long.

Channel No. 4. Cantilever chain gage 10 feet below shelter, 17.15 feet long.

RECORDERS:—Channel No. 1. A 6-inch Stevens Type L recorder in small wooden shelter about 300 feet downstream from highway bridge on south bank of channel No. 1.

Channel No. 2. Stevens Type A-30 continuous recorder supplied by the State of Nebraska, in wooden shelter on south bank of channel No. 2, about 500 feet downstream from highway bridge. Tape gage in well is 11.00 feet long.

Channel No. 3. No recorder.

Channel No. 4. A 6-inch Stevens Type L automatic recorder in

SOUTH PLATTE RIVER AT JULESBURG—CONCLUDED

wooden shelter on north bank of channel No. 4 about 500 feet downstream from highway bridge.

OBSERVER:—Junior Harold, Julesburg, Colorado.

RECORDS AVAILABLE:—April, 1902, to November 14, 1906; May 12, 1908, to September 30, 1914; January 1, 1923, to September 30, 1942.

SOUTH PLATTE RIVER AT PAXTON

LOCATION:—On highway bridge in Section 8, Township 13 North, Range 35 West, ½ mile south of Paxton. Established August 10, 1939. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Approximately 3,048 feet above mean sea level.

DRAINAGE AREA:—23,600 square miles.

BENCH MARKS:—No. 1 is a cross chiseled on inside junction of wing and abutment walls, downstream end north abutment. Elevation, 11.62 feet. No. 2 is top of cross chiseled in concrete at outside junction of south abutment and wingwall, downstream end. Elevation, 11.96 feet.

GAGE:—Porcelain staff gage 0-6.7 feet, fastened to upstream end of first pier from south end of bridge.

RECORDER:—Stevens Type A-35 continuous recorder in galvanized iron well and shelter installed April 2, 1940. Well is attached to downstream end of first pile bent from south end of bridge.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—August 10, 1939, to September 30, 1942.

HIGHEST GAGE READING:—2.72, June 17, water year 1941.
7.76, May 7, water year 1942.

LOWEST GAGE READING:—1.25, September 5, water year 1941.
0.20, August 25, water year 1942.

SOUTH PLATTE RIVER AT NORTH PLATTE

LOCATION:—On concrete highway bridge, consisting of ten 50-foot spans, in Section 9, Township 13 North, Range 30 West, ¾ mile south of North Platte, Nebraska. Established June 1, 1914. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Approximately 2,798 feet above mean sea level.

DRAINAGE AREA:—24,300 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in a 4-foot concrete post on the south bank, 35 feet back of the bank and 15 feet downstream from the gage. Elevation, 13.65 feet. Adjustable reference point set in floor of shelter. Elevation, 16.90 feet.

GAGE:—Weather Bureau staff gages 0 to 16 feet were installed in October, 1934, and are at two feet higher datum than that used at present for reference point in recorder shelter and staff gage on outside of still well.

RECORDER:—Stevens Type A-30 continuous recorder installed in a galvanized metal sheathed wooden shelter mounted over a corrugated galvanized metal well attached to the downstream end of the fifth pier from the south end of the bridge. Installed by the United States Geological Survey on December 8, 1936.

OBSERVER:—A. W. Shilling, North Platte, Nebraska, and water commissioner during the irrigation season.

RECORDS AVAILABLE:—June 1, 1914, to September 30, 1942.

HIGHEST GAGE READING:—0.71, May 1, water year 1941.
6.04, May 1, water year 1942.

LOWEST GAGE READING:—0.11, August 14, water year 1941.
0.15, August 31, water year 1942.

PLATTE RIVER AT BRADY

LOCATION:—In Sections 11 and 23, Township 12 North, Range 27 West, ¼ mile south of Brady Island. Established November 18, 1938. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement. There are two major and two minor channels within a total width of about three miles. The two major channels, known as 1 (north) and 4 (south), have recorders. Channels 2 and 3 have staff gages.

ELEVATION:—Approximately 2,640 feet above mean sea level.

DISTANCE FROM PATHFINDER:—444 miles.

DRAINAGE AREA:—Not determined.

BENCH MARKS:—Channel No. 1. No. 1 is a bronze tablet set in top of south downstream bridge abutment 150 feet upstream from recorder shelter. Elevation, 11.29 feet. No. 2 is a bolt driven horizontally 18 inches above ground in 16-inch cottonwood tree 28 feet upstream from shelter and 18 feet back of south bank. Elevation, 8.64 feet. Adjustable reference point in edge of recorder shelf. Elevation, 13.69 feet.

Channel No. 2. Staff is bolted to pier and no bench marks were set.

Channel No. 3. Staff is bolted to pier and no bench marks were set.

Channel No. 4. No. 1 is a bronze tablet set in top of downstream

PLATTE RIVER AT BRADY—CONCLUDED

wingwall, marked "U. S. G. S. 30 M 1935." Elevation, 9.83 feet. Adjustable reference point in edge of recorder shelf. Elevation, 12.27 feet.

GAGE:—Channel No. 1. Cantilever chain gage, 0-6.7 feet, 20 feet upstream, length 19.42 feet.

Channel No. 2. Staff gage 0-3.3 feet, located at highway bridge on downstream end of first pier from south bank.

Channel No. 3. Staff gage, 0-3.3 feet, located at highway bridge on downstream end of first pier from south bank.

Channel No. 4. Staff gage, 0-3.3 feet, located at highway bridge on downstream end of first pier from south bank.

RECORDERS:—Channel No. 1. Stevens Type A-35 continuous recorder in standard wooden shelter located on south bank, 150 feet downstream from 6-span highway bridge. Shelter is equipped with double flushing device for intakes. Elevations, 1.31 and 2.06 feet, respectively.

Channel No. 2. No recorder.

Channel No. 3. No recorder.

Channel No. 4. Stevens Type A-30 continuous recorder in welded-iron shelter supported by 18-inch pipe well 12 feet long. Shelter is located at 3-span highway bridge on downstream end of first pier from south bank.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—Measurements in 1931, 1932, and 1934. Discharge records from April 20 to September 30, 1937; May 1 to September 30, 1938; October 1, 1938 to September 30, 1942.

HIGHEST GAGE READINGS:—

Channel No. 1. 3.53, December 15, (ice) water year 1941.
6.25, May 8, water year 1942.
Channel No. 4. 1.32, April 18, water year 1941.
2.20, May 3, water year 1942.

LOWEST GAGE READINGS:—

Channel No. 1. 0.68, August 31, water year 1941.
0.32, September 1, water year 1942.
Channel No. 4. 0.24, August 24, water year 1941.
0.43, July 25, water year 1942.

PLATTE RIVER AT COZAD

LOCATION:—On highway bridge in Section 18, Township 10 North, Range 23 West, 1½ miles south of Cozad. Established October 1, 1939. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement. The river flows in two channels about ¼ mile apart.

ELEVATION:—Approximately 2,470 feet above mean sea level.

DISTANCE FROM PATHFINDER:—470 miles.

DRAINAGE AREA:—Not determined.

BENCH MARKS:—North Channel. Chiseled cross on northeast corner of south abutment. Elevation, 9.03 feet. Adjustable reference point attached to edge of recorder shelf. Elevation, 11.55 feet. Gage datum lowered 1 foot effective October 1, 1940.

South Channel. Chiseled cross on downstream end of south abutment. Elevation, 9.68 feet. Adjustable reference point attached to edge of recorder shelf. Elevation, 10.43 feet. Gage datum lowered 1.00 foot effective October 1, 1940.

GAGES:—North Channel. Outside gage is 0-3.33 foot enameled staff attached to piling in south bank of channel 25 feet below present bridge.

South Channel. Outside gage is 0-6.66 foot enameled staff gage attached to downstream end of first concrete pier from south end of bridge.

RECORDERS:—North Channel. Stevens Type A-27 continuous recorder in a wooden shelter supported by a 24-inch corrugated metal pipe stilling well. Pipe is attached to downstream end of first pier from south bank of a 6-span through-steel-girder highway bridge with concrete abutments and piers. Installed by State of Nebraska March 17, 1939.

South Channel. Stevens Type A-35 continuous recorder in shelter similar to that on the north channel attached to downstream side of first pier from south abutment. Installed by State of Nebraska May 4, 1940.

OBSERVER:—Water commissioner during the irrigation season.

RECORDS AVAILABLE:—From July 1, to September 30, 1932; partial record from October 8, 1936, to September 30, 1937; May 1, to September 30, 1938; March 18, 1939, to September 30, 1942.

HIGHEST GAGE READING:—

North Channel. 4.62, May 3, water year 1942.

South Channel. 4.82, May 3, water year 1942.

LOWEST GAGE READING:—

North Channel. 0.50, September 24, water year 1942.

South Channel. 0.57, August 31, water year 1942.

PLATTE RIVER AT OVERTON

LOCATION:—Concrete highway bridge consisting of twenty-five 35.5-foot spans center to center, on north and south center line through Section 12, Township 8 North, Range 20 West, 4 miles south of Overton. Established June, 1918. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

PLATTE RIVER AT OVERTON—CONCLUDED

ELEVATION:—Approximately 2,320 feet above mean sea level.

DISTANCE FROM PATHFINDER:—490 miles.

DRAINAGE AREA:—58,400 square miles.

BENCH MARKS:—No. 1 is the top of concrete guardrail on upstream side at north end of bridge. Elevation, 14.28 feet. No. 2 is the top of concrete guardrail on downstream side of south end of bridge. Elevation, 14.28 feet. No. 3 is a cross on curb on upstream side at north end of bridge. Elevation, 12.06 feet. No. 4 is two 60d spikes driven horizontally in base of a 6-inch cottonwood tree, 10 feet south and 5 feet east from shelter. Elevation, 6.42 feet. Reference point is the slot in screw head in face of recorder shelf. Elevation, 10.33 feet.

GAGE:—Enamel scale gage, calibrated from 0 to 6.7 feet, attached to downstream end on first pier from south end of bridge.

RECORDER:—Stevens Type A-27 continuous recorder on south bank of stream, 40 feet downstream from bridge. Installed by the State of Nebraska.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—June, 1918, to September 30, 1942, with the exception of the year 1924.

HIGHEST GAGE READING:—2.92, March 16, water year 1941.
5.18, May 10, water year 1942.

LOWEST GAGE READING:—0.42, November 4, water year 1941.
0.64 July 31, water year 1942.

PLATTE RIVER AT ODESSA

LOCATION:—Concrete highway bridge in Section 16, Township 8 North, Range 17 West, 2½ miles south of Odessa. Established December 30, 1936. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Approximately 2,210 feet above mean sea level.

DISTANCE FROM PATHFINDER:—505 miles.

DRAINAGE AREA:—Not determined.

BENCH MARKS:—No. 1 is a cross cut in top of south abutment wingwall near downstream end. Elevation, 10.90 feet. Adjustable reference point in edge of recorder shelf. Elevation 12.31 feet.

GAGE:—Chain gage attached to bridge rail nearby. Length, 12.30 feet.

RECORDER:—Stevens Type A-30 continuous recorder installed October 7, 1938, in small wooden shelter on 18-inch galvanized iron well attached to downstream end of first pier from south end of bridge.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—March 1, 1937, to September 30, 1942.

HIGHEST GAGE READING:—

2.01, December 28, (ice) water year 1941.
3.65, May 4, water year 1942.

LOWEST GAGE READING:—

—0.19, September 11, water year 1941.
—0.15, August 28, water year 1942.

PLATTE RIVER AT GRAND ISLAND

LOCATION:—Bridge on Highway No. 2, in Section 36, Township 11 North, Range 9 West, 5 miles southeast of Grand Island. Established May 25, 1933. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—About 1,840 feet above mean sea level.

DISTANCE FROM PATHFINDER:—560 miles.

DRAINAGE AREA:—59,500 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in upstream end of north abutment. Elevation, 13.66 feet. Reference point is the slot in screw head in recorder cabinet. Elevation, 12.30 feet.

GAGE:—Chain gage 17.77 feet long, on the upstream handrail of bridge.

RECORDER:—Stevens Type A-30 continuous recorder in wooden shelter on north bank, 30 feet downstream. Installed October 23, 1933, by the United States Geological Survey.

OBSERVER:—None.

RECORDS AVAILABLE:—May 25, 1933, to September 30, 1942.

HIGHEST GAGE READING:—

3.27, February 6, (ice) water year 1941.
4.78, May 11, water year 1942.

LOWEST GAGE READING:—

0.73, December 23, water year 1941.
0.31, January 16, water year 1942.

PLATTE RIVER AT DUNCAN

LOCATION:—Concrete highway bridge consisting of eighteen 50-foot spans, in Section 12, Township 16 North, Range 2 West, 1½ miles south of Duncan. Established October 25, 1928. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Aproximately 1,479 feet above mean sea level.

DISTANCE FROM PATHFINDER:—632 miles.

DRAINAGE AREA:—61,600 square miles.

PLATTE RIVER AT DUNCAN—CONCLUDED

BENCH MARKS:—No. 1 is the top of old engine valve set flush with top of first pier from north end, near upstream point. Elevation, 12.80 feet. No. 2 is a standard bronze tablet in 4-foot concrete post located behind middle of north downstream wingwall. Elevation, 10.07 feet. Reference point is the slot in screw in edge of recorder shelf. Elevation, 13.98 feet.

GAGE:—Enamel scale calibrated from 0 to 10 feet, fastened to a 4x6 timber bolted to downstream end of first concrete pier from north end. Elevation of zero of gage is 1,478.80 feet above sea level.

RECORDER:—Stevens A-30 recorder in a standard timber shelter. Installed September 20, 1934. (Property of Weather Bureau.)

OBSERVER:—Arthur J. Lindley, caretaker.

RECORDS AVAILABLE:—From October, 1928, to September 30, 1942.

HIGHEST GAGE READING:—

2.68, February 7, (ice) water year 1941.
4.65, May 12, water year 1942.

LOWEST GAGE READING:—

0.04, August 20, water year 1941.
0.18, August 24, water year 1942.

PLATTE RIVER AT ASHLAND

LOCATION:—In Section 29, Township 13 North, Range 10 East, at north end of site of old highway bridge across river from the United States Rifle Range, 3 miles northeast of Ashland. Established October 1, 1939. Station replaces the one at the south of old bridge used from December 11, 1938, to September 30, 1939, and August 28, 1928, to September 28, 1933. It also replaces station on south bank 950 feet upstream, used from September 29, 1933, to December 10, 1938. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Approximately 1,020 feet above mean sea level.

DISTANCE FROM PATHFINDER:—719 miles.

DRAINAGE AREA:—83,800 square miles.

BENCH MARKS:—No. 2 is a bronze tablet set in top of concrete pedestal at base of flag pole at Rifle Range. Elevation, 10.43 feet. This is a University of Nebraska bench mark. No. 3 is top of downstream bolt set in concrete block, 4 feet deep, located 60 feet directly in front of pier on south bank. Elevation, 12.30 feet. No. 4 is a spike in stream side of a maple tree along fence 56 feet downstream from catwalk anchorage. Elevation, 7.16 feet. Adjustable reference point is in edge of recorder shelf. Elevation, 16.25 feet.

GAGE:—Staff gage attached to downstream side of pier. Zero of gage elevation 1,020.1 feet above mean sea level.

RECORDER:—Stevens A-30 recorder in corrugated iron shelter of standard design and well 24 inches in diameter fastened to stream side of upstream one of two cylindrical piers about 50 feet from north bank.

OBSERVER:—Richard W. Reim, caretaker.

RECORDS AVAILABLE:—August, 1928, to September 30, 1942.

HIGHEST GAGE READING:—

4.16, February 16, (ice), water year 1941.
5.43, June 21, water year 1942.

LOWEST GAGE READING:—

0.23, August 18, water year 1941.
1.02, August 24, water year 1942.

ARIKAREE RIVER NEAR HAIGLER

LOCATION:—In Section 28, Township 1 North, Range 41 West. Established March 3, 1932. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—1,600 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete post 4½ feet deep located 43 feet south from south bank and 53 feet upstream from east end of railroad bridge. Elevation, 13.02 feet. No. 2 is a standard bronze tablet set in 3½-inch concrete-filled pipe, 6 feet long, located 9 feet downstream and 14 feet in front of downstream edge of shelter. Elevation, 9.70 feet. Adjustable reference point in edge of recorder shelf. Elevation, 12.61 feet. Datum of gage elevation, 3,243.45 feet above mean sea level.

GAGE:—Cantilever chain gage (0-10.1) located 18 feet downstream from shelter. Chain length, 19.26 feet.

RECORDER:—Stevens Type A-35 recorder installed in standard timber shelter by the United States Geological Survey November 21, 1938. Shelter is located on south bank 120 feet downstream from railroad bridge.

OBSERVER:—Gustave Gall, caretaker.

RECORDS AVAILABLE:—March, 1932, to September 30, 1942.

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD

LOCATION:—Southwest corner of Section 4, Township 20 North, Range 52 West. Established January 29, 1932. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD—CONCLUDED

BENCH MARKS:—No. 1 is a cross in top of concrete wingwall directly above gage. Elevation, 5.48 feet. No. 2 is a standard bronze tablet in concrete post set 7 feet in ground, 40 feet to the west and 10 feet upstream from shelter. Elevation, 6.02 feet. Adjustable reference point is in edge of recorder shelf. Elevation, 8.55 feet.

GAGE:—Outside gage consists of 0-3.3 foot enamel scale fastened to west upstream wingwall of flume over abandoned Alliance Canal siphon.

RECORDER:—Stevens Type A-35 recorder installed in small timber shelter January 7, 1939.

OBSERVER:—Water commissioner during the irrigation season.

RECORDS AVAILABLE:—October, 1931, to September 30, 1942.

BEAVER CREEK NEAR BEAVER CITY

LOCATION:—In Section 23, Township 2 North, Range 23 West, at bridge on Highway No. 21, 3½ miles west of Beaver City. Established May 18, 1937. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—1,940 square miles.

BENCH MARKS:—No. 1 is a cross chiseled on north downstream bridge seat. Elevation, 12.24 feet. No. 2 is a spike in stream side of telephone pole on south downstream bank. Elevation, 11.42 feet. Datum of gage 2164.98 feet above mean sea level.

GAGE:—Chain gage on downstream side of upper chord of pony-truss bridge, scale 0-10.1 feet. Chain length, 19.63 feet.

OBSERVATIONS:—Made twice daily by P. C. Smith.

RECORDS AVAILABLE:—From May 1, 1937, to September 30, 1942.

BEAVER CREEK AT GENOA

LOCATION:—In Section 14, Township 17 North, Range 4 West, at State Highway bridge 1 mile southwest of Genoa and three miles above the confluence with the Loup River. Established October 8, 1940. Maintained by Nebraska and United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is a standard bronze marker set in a concrete filled galvanized iron pipe located on right bank 18.8 feet downstream and in line with the right bridge abutment. Elevation, 12.42 feet. No. 2 is top of two spikes driven horizontally in downstream side of an 8-inch double tree located 30 feet south of right abutment. Elevation, 14.50 feet.

GAGE:—Chain gage mounted on timber clamped to steel bridge truss; chain length, 25.28 feet.

OBSERVER:—Gage read morning and evening by an employee of the Loup River Public Power District.

RECORDS AVAILABLE:—October 1, 1940, to September 30, 1942.

BIRDWOOD CREEK NEAR HERSHEY

LOCATION:—In Section 2, Township 14 North, Range 33 West. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—286 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet in 4-foot concrete post located 9 feet downstream and 3 feet to the east of the recorder shelter. Elevation 8.78 feet. Adjustable reference point in 2x4 block nailed to recorder shelf. Elevation, 12.18 feet.

GAGE:—Vertical staff, scale 0-6.7 feet, located at downstream end of west abutment.

RECORDER:—Stevens Type E recorder in small timber shelter at east bank, 14 feet back of east abutment and 9 feet downstream from bridge. Installed December 17, 1934, by the United States Geological Survey.

OBSERVER:—Mrs. Mabel H. Welsh, caretaker.

RECORDS AVAILABLE:—January, 1922, to September 30, 1942.

BLUE CREEK NEAR LEWELLEN

LOCATION:—North line of Section 30, Township 16 North, Range 42 West. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—267 square miles.

BENCH MARKS:—No. 1 is the top of a 3/8-inch bolt driven horizontally in 18-inch cottonwood located 12 feet upstream from east end of bridge and 8 feet back from east bank. Elevation, 4.60 feet. No. 2 is a bronze tablet set in concrete, 60 feet east of shelter. Elevation, 4.31 feet. No. 3 is the top of a 20d spike driven horizontally in 10-inch blaze on south side of tree 4 feet above ground, same tree as B. M. No. 1. Elevation, 8.50 feet. Adjustable reference point on recorder shelf. Elevation, 7.43 feet.

GAGE:—Cantilever chain gage is fastened to the upstream side of the shelter. Chain length, 8.97 feet.

RECORDER:—Stevens Type E recorder in small timber shelter installed by the United States Geological Survey June, 1934. Shelter located at east bank 60 feet below bridge.

BLUE CREEK NEAR LEWELLEN—CONCLUDED

OBSERVER:—Water commissioner from May 1, to September 30; William Rohlfing, caretaker, October 1, to April 30.

RECORDS AVAILABLE:—January, 1921, to September 30, 1942.

BLUE RIVER, BIG, AT BARNSTON

LOCATION:—In Section 13, Township 1 North, Range 7 East. Established April 7, 1931, daily observations began May 14, 1932. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—4,350 square miles.

BENCH MARKS:—Reference point No 1 is top edge of pipe well; elevation, 39.97 feet gage datum. Reference point No. 2 is chiseled cross on upstream end of second channel bracket; elevation, 8.28 feet gage datum. Reference mark No. 4 is center of chiseled square on downstream edge of concrete ledge to left of recorder well; elevation 6.42 feet gage datum. Reference mark No. 5 is square chiseled in concrete, 1 foot upstream from outside staff gage; elevation, 5.96 feet gage datum.

GAGE:—Chain gage fastened to downstream truss of highway bridge just below the shelter. Chain length, 39.84 feet. Inside gage is electrical tape. Zero elevation of tape is 25.0 feet.

RECORDER:—Stevens Type A-30 installed in standard wooden shelter May 14, 1932.

OBSERVER:—Robert Cornett, caretaker.

RECORDS AVAILABLE:—May, 1932, to September 30, 1942.

BLUE RIVER, LITTLE, AT ENDICOTT

LOCATION:—In Section 5, Township 1 North, Range 3 East. Established April 26, 1929, by the United States Geological Survey. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—2,590 square miles.

BENCH MARKS:—No. 1 is two spikes driven horizontally in large cottonwood tree at beginning of east approach 25 feet south of road. Elevation, 9.01 feet. No. 2 is a bronze tablet set in concrete post 20 feet in front and 5 feet downstream from shelter. Elevation, 10.54 feet. The gage datum was lowered 1.00 foot June 20, 1934. Referred to inside tape gage, reference point for which is slot in screw in recorder shelf. Elevation, 18.57 feet.

GAGE:—Chain gage fastened to downstream guardrail of highway bridge. Chain length, 16.21 feet.

RECORDER:—Stevens Type A-35 recorder in standard wooden shelter installed July 18, 1935.

OBSERVER:—Lewis Kasparek, caretaker.

RECORDS AVAILABLE:—April, 1929, to September 30, 1942.

BUFFALO CREEK NEAR HAIGLER

LOCATION:—In NW¼ Section 20, Township 1 North, Range 40 West, four miles northeast of Haigler. Established October 13, 1940. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is an iron pin in end piling of the southeast wing of bridge 50 feet upstream from shelter. Elevation, 5.54 feet.

GAGE:—Outside staff gage fastened to bridge abutment.

RECORDER:—Stevens A-35 recorder furnished by the United States Bureau of Reclamation in small box shelter on 36-inch galvanized iron still well. Adjustable reference point in shelter. Elevation, 9.63 feet.

RECORDS AVAILABLE:—October 13, 1940, to September 30, 1942.

CALAMUS RIVER NEAR BURWELL

LOCATION:—On east line of Section 8, Township 21 North, Range 16 West, at county bridge 3 miles northwest of Burwell; 1½ miles above the confluence with the North Loup River. Maintained by Nebraska and United States Geological Survey under a co-operative agreement. Established September 27, 1940.

DRAINAGE AREA:—1,100 square miles.

BENCH MARKS:—No. 1 is a standard bronze marker set in a three-inch pipe located on the left bank 28 feet downstream. Elevation, 7.06 feet.

GAGE:—Enamel staff gage, calibrated from 0 to 6.7 feet, mounted on a timber fastened to downstream pile of left pier.

OBSERVER:—T. H. New, Burwell, reads the gage morning and evening each day.

RECORDS AVAILABLE:—October 1, 1940, to September 30, 1942.

CEDAR RIVER AT FULLERTON

LOCATION:—On the south line of Section 33, Township 17 North, Range 6 West, at bridge on State Highway No. 52 four miles north-

CEDAR RIVER AT FULLERTON—CONCLUDED

west of Fullerton. Established October 3, 1940. Maintained by Nebraska and United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is a standard bronze marker in 3½-inch iron pipe filled with concrete, located on the left bank 6 feet downstream from bridge wingwall. Elevation, 8.15 feet. No. 2 is the top of two spikes driven into 24-inch cottonwood tree located 10 feet downstream from left bridge abutment. Elevation, 7.37 feet.

GAGE:—An enamel scale, calibrated from 0 to 10.1 feet, mounted vertically on plank fastened to downstream end of left pier.

OBSERVER:—Floyd L. Maybon, Fullerton, reads the gage morning and evening each day.

RECORDS AVAILABLE:—October 1, 1940, to September 30, 1942.

ELKHORN RIVER AT NELIGH

LOCATION:—In Section 20, Township 25 North, Range 6 West. Established March 5, 1931, by Nebraska. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—1,740 square miles.

BENCH MARKS:—No. 3 is a standard bronze tablet in top of concrete post on the west bank 33 feet downstream from bridge and 11 feet from concrete retaining wall. Elevation, 16.68 feet. No. 4 is two spikes driven in tree on the east bank 45 feet downstream from shelter and facing stream. Elevation, 8.75 feet. Adjustable reference point in edge of recorder shelf. Elevation, 13.69 feet.

GAGE:—Chain gage fastened on 2x6 bolted to bridge handrail. Chain length, 23.38 feet.

RECORDER:—Au Fuzee continuous recorder in standard timber shelter installed January 24, 1939, located 10 feet downstream from chain gage used previously.

OBSERVER:—Louie Nelson, caretaker.

RECORDS AVAILABLE:—March, 1931, to September 30, 1942.

ELKHORN RIVER AT WATERLOO

LOCATION:—In Section 21, Township 16 North, Range 10 East, 3½ miles north of Waterloo. Can be reached by driving ¾ mile west of Waterloo on Highway No. 275, then 2 miles north on county road to Todd's Lake, then ¾ mile east to Elkhorn River. Established in Section 10, Township 15, Range 10 East, August 18, 1928, and moved to present location July 2, 1940.

ELEVATION:—1,110.1 feet above mean sea level.

DRAINAGE AREA:—6,390 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in 4.5-foot concrete post 15 feet in front of shelter and 12 feet downstream. Elevation, 13.22 feet. No. 2 is a ½x6-inch bolt set 2 feet above ground in the downstream side of 48-inch forked elm tree, 65 feet in front of shelter. Elevation, 15.74 feet. Adjustable reference point in edge of recorder shelf. Elevation, 15.40 feet.

RECORDER:—Stevens Type A-35 in standard timber shelter installed by the United States Geological Survey, 100 feet downstream from highway bridge.

OBSERVER:—W. W. Todd, caretaker.

RECORDS AVAILABLE:—March, 1931, to September 30, 1942.

FRENCHMAN RIVER BELOW CHAMPION

LOCATION:—In SW¼ of Section 22, Township 6 North, Range 39 West. Established March 2, 1935. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—1,020 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete post in line with cantilever posts and 18 feet back of front post. Elevation, 6.68 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 7.62 feet.

GAGE:—Cantilever chain gage 4 feet downstream from gage house. Chain length, 15.82 feet.

RECORDER:—Stevens Type E recorder was replaced with Stevens Type A-30 recorder on July 15, 1940.

RECORDS AVAILABLE:—March 2, 1935, to September 30, 1942.

FRENCHMAN RIVER NEAR HARVEY DAM SITE

LOCATION:—In Section 3, Township 5 North, Range 38 West. From Imperial, drive 1 mile east and 6 miles south across the Frenchman River, then turn left into the first road thence by ranch building and east a distance of ¼ mile to the recorder shelter on right bank. Established November 12, 1940. Maintained by Nebraska and United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No 1 is a standard bronze marker in a 4-inch iron pipe set in the ground, 14 feet downstream from shelter. Elevation, 8.39 feet.

GAGE:—Outside cantilever gage, calibrated from 0 to 6.74 feet. Chain length, 18.07 feet.

RECORDER:—Stevens A-35 recorder furnished by the United States Bureau of Reclamation. The recorder is housed in a 36-inch

FRENCHMAN RIVER NEAR HARVEY DAM SITE—CONCLUDED

galvanized metal combination shelter and stilling well. Recorder installed March 6, 1941.

OBSERVER:—Joe B. Groves, caretaker.

RECORDS AVAILABLE:—October 1, 1940, to September 30, 1942. This station was established first November 12, 1940, staff gage ¼ mile upstream from present location. Discharge estimated from October 1, to November 12, 1940.

FRENCHMAN RIVER NEAR HAMLET

LOCATION:—In Section 30, Township 5 North, Range 34 West. This station was washed out on June 8, 1940, and a new installation was made on July 16, 1940, in Section 29, Township 5 North, Range 34 West. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Zero of gage is 2,796.77 feet above mean sea level.

DRAINAGE AREA:—1,420 square miles.

BENCH MARKS:—No. 1 is top of 10-inch bolt set in 5-foot concrete post located 16 feet back of shelter and in line with the upstream edge of shelter. Elevation, 9.87 feet. Adjustable reference point on edge of recorder shelf. Elevation, 12.07 feet.

GAGE:—Consists of staff, scale 0-6.7 feet, fastened to downstream side of south bridge abutment.

RECORDER:—A Stevens Type A-30 recorder in standard timber shelter over 36-inch corrugated iron stilling well.

OBSERVER:—Everett T. Cox, caretaker.

RECORDS AVAILABLE:—April, 1929, to September 30, 1942.

FRENCHMAN RIVER AT CULBERTSON

LOCATION:—In Section 17, Township 3 North, Range 31 West. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—2,561.93 feet above mean sea level.

DRAINAGE AREA:—2,800 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete post 5½ feet deep, located 65 feet from south bank and 22 feet downstream from the gage. Elevation, 6.29 feet.

GAGE:—Vertical staff, scale 0-3.3 feet, attached to downstream pile of fifth bent from south bank. Datum lowered 1.00 foot June 1, 1935.

OBSERVATIONS:—Made twice daily by C. W. Tigner.

RECORDS AVAILABLE:—January, 1922, to September 30, 1942. Daily discharge records began March 11, 1931.

GERING DRAIN NEAR GERING

LOCATION:—East line of Section 6, Township 21 North, Range 54 West. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1, destroyed. No. 2 is the heads of two spikes driven horizontally in pile cap at east abutment near downstream end. Elevation, 10.50 feet. No. 3 is a standard tablet in concrete post 72 feet from east end and 2 feet upstream from upstream handrail. Elevation, 10.18 feet.

GAGE:—Chain gage on downstream handrail of pile-bent bridge at station 34.5. Box and 0-10.1 foot scale fastened to wooden handrail. Chain length, 17.07 feet.

OBSERVATIONS:—Made twice daily by John Funk.

RECORDS AVAILABLE:—January, 1923, to September 30, 1942.

HORSE CREEK NEAR LYMAN

LOCATION:—In the NE¼ of Section 25, Township 23 North, Range 58 West, 3¼ miles northeast of Lyman. Established November 23, 1938, to replace staff gage station ½ mile upstream used previously. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—1,860 square miles.

BENCH MARKS:—No. 1 is standard bronze tablet in top of concrete post extending 7 feet in ground, located 60 feet east of shelter and 10 feet upstream. Elevation, 7.22 feet. No. 2 is heads of two spikes driven horizontally into 8-inch cottonwood tree located on east bank 85 feet upstream from shelter and about 10 feet back from bank. Elevation, 8.33 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 9.84 feet.

GAGE:—Staff, scale 0-6.7 feet, fastened to two steel posts driven in east bank just below shelter.

RECORDER:—Stevens Type A-35 recorder, in small timber shelter, located on east bank 200 feet above county road bridge, installed by the United States Geological Survey November 23, 1938.

OBSERVER:—Water commissioner during irrigation season.

RECORDS AVAILABLE:—January, 1921, to September 30, 1942.

LODGEPOLE CREEK AT BUSHNELL

LOCATION:—In Section 33, Township 15 North, Range 57 West. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

LODGEPOLE CREEK AT BUSHNELL—CONCLUDED

DRAINAGE AREA:—1,090 square miles.

BENCH MARKS:—No. 1 is a cross cut in top of north upstream wingwall. Elevation, 3.79 feet. No. 2 is a standard bronze tablet set in top of concrete post located 58 feet back of shelter and 4 feet downstream on south bank. Elevation, 5.74 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 8.38 feet.

GAGE:—Vertical staff, consisting of a 0-3.3 foot enamel scale, fastened to south wall of concrete flume, 3 feet from upstream end. Same gage used previously.

RECORDER:—Stevens Type E recorder installed by the United States Geological Survey on March 26, 1938, in a small wooden shelter on the south bank, 6 feet back of staff gage.

OBSERVER:—Tom Fox, caretaker.

RECORDS AVAILABLE:—January, 1924, to September 30, 1942. Daily discharge record began June 3, 1932.

LOGAN CREEK AT UEHLING

LOCATION:—On south line of Section 9, Township 20 North, Range 8 East, at county road bridge 2 miles southwest of Uehling, on Highway No. 77. Established October 4, 1940. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is a standard bronze marker set in a concrete filled pipe in line with downstream bridge railing. Elevation, 16.70 feet.

GAGE:—Chain gage mounted on members of downstream steel bridge truss. Chain length 25.00 feet.

OBSERVER:—Melvin A. Bowman reads the gage morning and evening each day.

RECORDS AVAILABLE:—March 10, 1941, to September 30, 1942.

LOUP RIVER AT COLUMBUS

LOCATION:—West line of Section 30, Township 17 North, Range 1 East, at highway bridge at Columbus, 3½ miles upstream from mouth of river. Established May 20, 1936, to replace station maintained 300 feet downstream. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—14,200 square miles.

BENCH MARKS:—No. 5 is a standard bronze tablet set in concrete post 100 yards downstream from bridge, 8 feet from east bank.

Elevation, 6.05 feet. Gage datum 1,438.34 feet above mean sea level.

GAGE:—Wire-weight gage attached to downstream truss of 9-span bridge. Elevation of reference bar, 24.23 feet. Gage installed November 8, 1938, to replace chain gage used previously.

OBSERVATIONS:—Made twice daily by an engineer of the Loup River Public Power District.

RECORDS AVAILABLE:—From January 1, 1895, to September 30, 1915, and from March 9, 1931, to September 30, 1942.

LOUP RIVER, MIDDLE, AT WALWORTH

LOCATION:—In Section 1, Township 19 North, Range 20 West, at county bridge about ¼ mile northeast of Walworth. Established by Nebraska September 30, 1940. Maintained by Nebraska and United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is a standard bronze marker set in concrete-filled iron pipe 24 feet downstream from bridge. Elevation, 7.87 feet.

GAGE:—Staff gage, enamel scale, calibrated from 0 to 6.7 feet, mounted on plank fastened to concrete-filled steel caisson at downstream end of left abutment.

OBSERVER:—W. F. Sargent reads gage morning and evening each day.

RECORDS AVAILABLE:—October 1, 1940, to September 30, 1942. Records are practically equivalent to records for station at Sargent, from December, 1936, to December, 1938.

LOUP RIVER, MIDDLE, AT ARCADIA

LOCATION:—In Section 26, Township 17 North, Range 16 West, at the southwest limits of Arcadia. Established July 3, 1937. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—3,910 square miles.

BENCH MARKS:—No. 1 is the bottom edge of lowest nail driven horizontally into an 18-inch willow 7 feet above the ground surface, 160 feet downstream from gage. Elevation, 10.85 feet. No. 2 is a standard bronze tablet set in concrete post 4.5 feet deep on line with front of shelter and 30 feet downstream. Elevation, 5.16 feet. Adjustable reference point, elevation, 11.00 feet. Gage datum raised 1.23 feet above that of chain gage on bridge when recorder was installed.

GAGE:—Chain gage on bridge. Length, 14.04 feet.

RECORDER:—A Stevens Type A-30 recorder in standard timber shelter on east bank below highway bridge installed April 23, 1938.

LOUP RIVER, MIDDLE, AT ARCADIA—CONCLUDED

OBSERVER:—Middle Loup Public Power and Irrigation District.

RECORDS AVAILABLE:—July 1, 1937, to September 30, 1942.

LOUP RIVER, MIDDLE, AT BOELUS

LOCATION:—In Section 29, Township 13 North, Range 12 West, at county highway bridge ½ mile south of Boelus. One mile downstream from the Boelus Power Canal diversion. Maintained by Nebraska and United States Geological Survey under a co-operative agreement. Established September 25, 1940.

BENCH MARKS:—No. 1 is a standard bronze marker in a concrete post 500 feet south along the road from the south end of the bridge and 96 feet east of the road. Elevation, 9.70 feet.

GAGE:—Two chain gages designated as Gage No. 1 and Gage No. 2. Gage No. 1 consists of a 0 to 6.7-foot scale on downstream side of bridge 191 feet from left abutment. Chain length, 14.70 feet. Gage No. 2 consists of a 0 to 6.7-foot scale and is mounted on downstream side of bridge 26 feet from left abutment. Chain length, 15.00 feet.

RECORDER:—A Stevens A-35 recorder installed in July, 1942.

RECORDS AVAILABLE:—October 1, 1941, to September 30, 1942.

LOUP RIVER, MIDDLE, AT ST. PAUL

LOCATION:—In Section 10, Township 14 North, Range 10 West. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—1,778.41 feet above mean sea level.

DRAINAGE AREA:—7,320 square miles.

BENCH MARKS:—No. 1 is a cross in outer corner of bed plate on downstream side of north abutment of highway bridge. Elevation, 13.23 feet. No. 2 is a standard bronze plug in top of pipe, located 15 feet northeast of south downstream wingwall. Elevation, 7.41 feet. No. 3 is a standard bronze tablet set in top of concrete post located 48 feet in front of shelter and in line with upstream side. Elevation, 7.45 feet. Zero of gage is 1,778.41 feet above mean sea level.

GAGE:—Cantilever chain gage located 6 feet downstream from shelter. Chain length is 12.78 feet.

RECORDER:—A Stevens Type A-30 recorder in standard timber shelter on north bank 300 yards above highway bridge at St. Paul. Installed June 14, 1934, by the United States Geological Survey.

RECORDS AVAILABLE:—May, 1895, to October, 1897; April

to October, 1899; April to November, 1903; August, 1928, to September 30, 1942.

LOUP RIVER, NORTH, AT TAYLOR

LOCATION:—In Section 22, Township 21 North, Range 18 West. Maintained by Nebraska, North Loup River Public Power and Irrigation District, and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—1,750 square miles.

BENCH MARKS:—No. 1 is a bronze tablet set in top of 3-inch pipe, located 280 feet in front of shelter and 180 feet downstream. Elevation, 9.57 feet. No. 2 is a cross chiseled in concrete and encircled with red paint on the top of south downstream wingwall of bridge. Elevation, 10.85 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 12.30 feet.

GAGE:—Outside gage is a cantilever chain gage near shelter. Chain length is 15.80 feet. Datum is same as that of chain gage on bridge previously used.

RECORDER:—Stevens Type A-35 recorder installed in a standard timber shelter, located on the south bank 450 feet above bridge, by the United States Geological Survey on September 28, 1938.

RECORDS AVAILABLE:—From November 26, 1936, to September 30, 1942.

LOUP RIVER, NORTH, AT SCOTIA

LOCATION:—In Section 8, Township 17 North, Range 12 West. Established November 25, 1936. Maintained by Nebraska, North Loup River Public Power and Irrigation District, and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—3,710 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete post located on west bank 16 feet along track from end of railroad trestle and then 58 feet downstream at right angles. Elevation, 6.72 feet. No. 2 is the heads of two 16d nails driven horizontally into the base of downstream piling of right end bent of trestle. Elevation, 8.89 feet. No. 3 is a bronze tablet set in top of 3-inch pipe located 36 feet in front of shelter and 4 feet upstream. Elevation, 8.24 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 10.92 feet.

GAGE:—Outside is chain gage, 21.67 feet long, on railroad trestle.

RECORDER:—A Stevens Type A-35 recorder installed in standard timber shelter located 30 feet downstream from west end of rail-

LOUP RIVER, NORTH, AT SCOTIA—CONCLUDED

road trestle, by the United States Geological Survey on September 28, 1938.

RECORDS AVAILABLE:—From November 25, 1936, to September 30, 1942.

LOUP RIVER, NORTH, NEAR ST. PAUL

LOCATION:—In Section 22, Township 15 North, Range 10 West. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—4,040 square miles.

BENCH MARKS:—No. 1 is two spikes driven horizontally in blaze in side of forked tree which is in a clump of trees 25 feet back from recorder shelter. Elevation, 6.68 feet. No. 2 is a cross filed in head of rivet at north downstream corner of south abutment. Elevation, 12.42 feet. No. 3 is a bronze tablet set in concrete post located 54 feet back of recorder shelter and 5 feet upstream. Elevation, 5.86 feet.

GAGE:—Chain gage on bridge, length, 15.05 feet. Reference point in edge of recorder shelf. Elevation, 12.08 feet.

RECORDER:—A Stevens Type A-30 recorder in standard wooden shelter installed by the United States Geological Survey March 20, 1934.

OBSERVATIONS:—Carl E. Schobring, caretaker.

RECORDS AVAILABLE:—May, 1895, to October, 1897; April to October, 1899; April to December, 1903; August, 1928, to September 30, 1942.

LOUP RIVER, SOUTH, NEAR RAVENNA

LOCATION:—On east line of Section 17, Township 12 North, Range 14 West, at county road bridge ¾ mile south of Ravenna. Established by Nebraska October 14, 1940. Maintained by Nebraska and United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is a standard bronze marker set in a concrete-filled iron pipe located on left bank in line with the first pier, from left end of bridge and 32 feet upstream from the farthest upstream piling in the pier. Elevation, 5.64 feet.

GAGE:—Wire and weight located on the downstream side of third span from the left bank.

OBSERVER:—D. L. Britton, Ravenna, reads the gage morning and evening each day.

RECORDS AVAILABLE:—October 1, 1940, to September 30, 1942.

MEDICINE CREEK NEAR CAMBRIDGE

LOCATION:—In southeast corner of SE¼ of Section 18, Township 4 North, Range 25 West. Established December 10, 1936. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—884 square miles.

BENCH MARKS:—No. 1 is an 80d spike driven horizontally in a maple tree located 20 feet downstream and 54 feet from west edge of bridge. Elevation, 13.75 feet.

GAGE:—A Stevens A-35 recorder was installed in wooden box over a 36-inch corrugated iron pipe October 2, 1940. This recorder was furnished by the United States Bureau of Reclamation. Elevation of reference point 20.14 feet. On April 14, 1942, the installation was removed from the bridge and relocated in the stream bank 400 feet downstream from the bridge.

RECORDS AVAILABLE:—From December 10, 1936, to September 30, 1942.

NINE MILE DRAIN NEAR MINATARE

LOCATION:—Near county bridge at northwest corner of Section 25, Township 21 North, Range 53 West, 1½ miles north of McGrew. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is a standard bronze tablet set in top of concrete post 6 feet in ground, located 15 feet upstream and 9 feet west of shelter. Elevation, 6.77 feet. No. 2 is a standard tablet set in concrete post located across the road from shelter, 47 feet downstream, and 4 feet west. Elevation, 6.63 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 8.96 feet.

GAGE:—Outside gage is chain at bridge. Length, 13.73 feet.

RECORDER:—Stevens Type A-35 recorder installed in small timber shelter at west bank upstream from bridge April 14, 1939, to replace staff gage used previously.

RECORDS AVAILABLE:—January, 1919, to September 30, 1942. Present station established January 29, 1932.

NIOBRARA RIVER AT DUNLAP

LOCATION:—In Section 27, Township 29 North, Range 48 West. Daily observations began November 17, 1936. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—1,550 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in a

NIOBRARA RIVER AT DUNLAP—CONCLUDED

concrete post located 13 feet downstream and 6½ feet in front of shelter. Elevation, 10.21 feet. Adjustable reference point set in edge of recorder shelf. Elevation, 12.22 feet.

GAGE:—Cantilever chain gage, scale 0-10.1 feet, located 7 feet upstream from the recorder. Chain length, 15.99 feet.

RECORDER:—Stevens Type A-35 in small timber shelter located on the north bank 1,275 feet west upstream from highway bridge. Installed by the United States Geological Survey November 17, 1936, to replace station previously maintained at highway bridge.

OBSERVER:—Mrs. E. Montague, caretaker.

RECORDS AVAILABLE:—From January, 1924, to September 30, 1942.

NIOBRARA RIVER NEAR SPENCER

LOCATION:—In Section 30, Township 33 North, Range 11 West, 5 miles southeast of Spencer.

DRAINAGE AREA:—10,800 square miles.

REMARKS:—Discharge of the river is computed from data obtained by the Nebraska Hydro-Electric Power Company as follows: (1) discharge through the turbines; (2) over top of gates; (3) through ice gate and sluice gate; (4) through four Taintor gates; (5) through five needle gates; and (6) leakage through plant and gate.

RECORDS AVAILABLE:—May to December, 1908; August, 1927, to September 30, 1936. Dam failed and station discontinued September 24, 1936. Station reestablished June 14, 1940, and continued to September 30, 1942.

PUMPKINSEED CREEK NEAR BRIDGEPORT

LOCATION:—In Section 12, Township 19 North, Range 50 West. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—1,080 square miles.

BENCH MARKS:—No. 1 is a standard bronze marker in concrete post 130 feet east from south end of bridge and 158 feet south of southwest corner of recorder shelter.

GAGE:—Staff, scale 0-3.3 feet, fastened to 2x4 timber driven in bed of stream near north bank near shelter. Established April 28, 1938.

RECORDER:—Stevens Type E recorder in small wooden shelter constructed at previous site June, 1934. Installed by the United States Geological Survey. Moved to present site May 18, 1936.

OBSERVER:—Water commissioner during irrigation season. Office engineer, caretaker, during the remainder of the year.

RECORDS AVAILABLE:—January, 1922, to September 30, 1942.

RED WILLOW CREEK NEAR BAYARD

LOCATION:—At county bridge in the southwest corner of Section 7, Township 20 North, Range 51 West, ¼ mile below confluence with Wild Horse Drain and ¾ mile above the mouth. Established January 30, 1932. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete post 6 feet deep, located 23 feet west and 3 feet downstream from shelter. Elevation, 5.68 feet. No. 2 is a standard tablet in concrete post 10 feet east and 14 feet downstream from bridge. Elevation, 6.62 feet. Adjustable reference point in edge of recorder shelf. Elevation, 10.19 feet.

GAGE:—Staff gage consisting of 0-3.3 foot enamel scale fastened to piling at the downstream end of west abutment.

RECORDER:—A Stevens Type A-35 recorder in small standard shelter installed November 18, 1938, at the west bank 10 feet downstream from staff gage used previously.

OBSERVATIONS:—Made twice daily prior to November 18, 1938, by Ross A. Parks. Water commissioner during irrigation season.

RECORDS AVAILABLE:—February, 1932, to September 30, 1942.

RED WILLOW CREEK NORTH OF McCOOK

LOCATION:—In the NW¼ of Section 6, Township 4 North, Range 29 West, on Highway No. 183 ten miles north of McCook. Established September 18, 1940. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

GAGE:—Outside gage is chain and weight fastened to the downstream bridge rail.

RECORDER:—Stevens Type A-35 recorder furnished by the United States Bureau of Reclamation in small box shelter on 24-inch corrugated iron still well fastened to downstream end of pier. Adjustable reference point. Elevation, 21.25 feet.

BENCH MARKS:—No. 1 is a cross in concrete wheel guard opposite the shelter. Elevation, 25.44 feet. No. 2 is a cross in concrete wheel guard opposite the chain gage pulley. Elevation, 25.53 feet. Gage datum lowered 4.87 feet July 18, 1941, and all records have been referred to present datum according to the above elevations.

RECORDS AVAILABLE:—October 1, 1940, to September 30, 1942.

RED WILLOW CREEK NEAR RED WILLOW

LOCATION:—In Section 8, Township 3 North, Range 28 West, ¾ mile north of Highway No. 6, and 1½ miles northwest of Red Willow. Established September 21, 1939. Maintained by Army Engineers, Nebraska, and the United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is ⅜x6-inch lag screw driven horizontally in 24-inch tree 2 feet above ground, located 68 feet to the west of gage and 22 feet downstream from center line of road. Elevation, 11.91 feet.

GAGE:—Wire weight gage fastened to downstream truss of single span highway bridge. Elevation of reference bar, 11.91 feet.

OBSERVER:—Hugh L. Meyers.

RECORDS AVAILABLE:—September 21, 1939, to September 30, 1942.

REPUBLICAN RIVER AT COLORADO-NEBRASKA STATE LINE

LOCATION:—In Section 10, Township 1 North, Range 42 West. Daily records began March 18, 1931. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—395 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet set in concrete in line with downstream edge of shelter and 25 feet south of it, near fence. Elevation, 8.89 feet. Reference point is slot in screw in edge of recorder shelf. Elevation, 8.63 feet.

GAGE:—Cantilever chain gage located nearby.

RECORDER:—Stevens Type E recorder replaced with Stevens Type A-35 recorder, installed by the United States Geological Survey January 4, 1939.

OBSERVER:—Mrs. M. Wilson, Wray, Colorado.

RECORDS AVAILABLE:—March, 1926, to September 30, 1942.

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN

LOCATION:—In SW¼ of Section 31, Township 1 North, Range 37 West, about ½ mile downstream from Kansas-Nebraska State Line and 3 miles upstream from confluence with North Fork. Established August 27, 1937, and moved ¼ mile downstream March 5, 1940. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—Undetermined.

BENCH MARKS:—No. 1 is a standard bronze tablet set in top of concrete post located 36 feet from west end of upstream hand-

rail and 141 feet upstream on west side. Elevation, 7.24 feet. No. 3 is a spike in west side of tree located 76 feet north and 90 feet east of the north end of new bridge. Elevation, 9.32 feet. No. 4 is a cross marked with red paint, chiseled in downstream end of north bridge abutment. Elevation, 18.00 feet.

GAGE:—Wire weight gage mounted on guardrail on highway bridge. Elevation of reference bar, 24.55 feet.

OBSERVATIONS:—Twice daily by C. E. Boersma, Benkelman.

RECORDS AVAILABLE:—August 27, 1937, to September 30, 1942.

REPUBLICAN RIVER AT MAX

LOCATION:—In Section 32, Township 2 North, Range 36 West. Established August 13, 1928, by Robert Follansbee and Floyd F. LeFever. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Zero of gage is 2,877.34 feet above mean sea level.

DRAINAGE AREA:—7,740 square miles.

BENCH MARKS:—Reference mark No. 1 is a standard tablet set in concrete post 5 feet deep, located on left bank, 24 feet back of left abutment and 27 feet downstream; measured at right angles with line of bridge. Elevation, 8.90 feet. Reference mark No. 2 is a standard bronze tablet set in top of 3½-inch pipe, 5 feet long, with flanged bottom, located 35.5 feet in front of shelter and 23.3 feet upstream from upstream side of shelter. Elevation, 11.41 feet.

GAGE:—Original gage was an enameled plate, calibrated from 0 to 6.7 feet, attached to a 2x6 plank spiked to downstream end of pile-bent 100 feet from left end of bridge. This gage along with the bridge was destroyed by the flood of May 31, 1935. On June 26, 1935, a temporary gage was established to replace the original.

On March 4, 1936, due to the shifting character of this stream, staff gages were installed at either end of the new highway bridge and referenced to the same datum. These gages were as follows: Gage No. 1 or north gage was an enameled gage plate, calibrated from 0 to 6.7 feet, on the downstream pile of third pile-bent from left abutment. Gage No. 2 or south gage is an enameled gage plate, calibrated from 0 to 6.7 feet, on the downstream pile of the fourth bent from the right abutment. Datum of these gages is 2,877.34 feet and 2,877.39 feet respectively for the left and right banks. (U. S. A. E. bench mark.)

RECORDER:—On November 21, 1938, a Stevens Type A-35 recorder was installed in standard (Denver district) timber shelter and well by the United States Geological Survey. This gage was located on the left bank 160 feet upstream from the bridge. Recorder

REPUBLICAN RIVER AT MAX—CONCLUDED

was referenced by weight and tape from a reference point in the shelter. Outside gage was a chain gage cantilevered from the left bank, 18 feet downstream from the recorder shelter.

This recorder was destroyed by the flood of July, 1941, and until August, 1941, the staff gages were read. On August 18, 1941, the recorder was replaced in a 36-inch corrugated pipe well at the same site. This gage was maintained until March 14, 1942, when the shelter was again destroyed by flood. From March 14, 1942, to September 30, 1942, the staff gages at either end of the bridge have been read.

OBSERVER:—Justine Sutton, caretaker.

RECORDS AVAILABLE:—August, 1928, to September 30, 1942.

REPUBLICAN RIVER AT CULBERTSON

LOCATION:—In SE¼ of Section 17, Township 3 North, Range 31 West. Established originally by Nebraska, and was destroyed by flood May 31, 1935. A temporary staff was established June 10, 1935, which was destroyed by flood June 13, 1935. Present station established by United States Geological Survey June 28, 1935.

DRAINAGE AREA:—8,790 square miles.

BENCH MARKS:—No. 1 is a standard bronze tablet in concrete post located on north bank of main channel in a line parallel to bridge, 60 feet downstream, and 33 feet up from the river bank. Elevation, 8.36 feet above zero of gage.

GAGE:—First gage, 0-10.1 foot enamel scale fastened to downstream side of thirteenth pile of bridge over main channel. Second gage, 3.36-6.74 foot enamel scale fastened to downstream side of second pile from north bank on second pile-bent bridge. Third gage, 3.36-6.74 foot enamel scale fastened to downstream side of seventh pile from north bank on third pile-bent bridge. The second and fourth bridges are over channels which carry water only at high stages. Gages are referred to the same datum. Chain gage installed on downstream handrail of bridge at middle of span between 13th and 14th bents from left of main river bridge. Chain length, 5.63-15.65 feet. Datum of gage is 2,561.93 feet above mean sea level.

OBSERVATIONS:—Made twice daily by George Gerlach.

RECORDS AVAILABLE:—January, 1924, to September 30, 1942.

REPUBLICAN RIVER NEAR BLOOMINGTON

LOCATION:—In Section 8, Township 1 North, Range 15 West. Established April 13, 1929. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—19,000 square miles.

BENCH MARKS:—No. 2 is the head of a 40d spike 4 inches above ground in streamward side of 60-inch cottonwood, 150 feet above north end of bridge, and 40 feet from bank. Elevation, 14.73 feet. No. 3 is a standard bronze tablet set in concrete post located on north bank 39 feet downstream from first downstream pier, and 10 feet toward river; it is also 66 feet from second downstream pier and 35 feet from river bank. Elevation, 17.31 feet. No. 4 is a standard bronze tablet set in 3-inch concrete-filled pipe with flanges on bottom set in 4 feet of concrete, located 28 feet in front of and 13 feet upstream from upstream front corner of shelter. Elevation, 17.55 feet. Adjustable reference point. Elevation, 19.06 feet.

GAGE:—Cantilever chain gage, scale 0-10.1 feet. Length of chain, 20.43 feet.

RECORDER:—Stevens Type A-35 recorder in standard timber shelter. Located on right bank 600 feet downstream from the bridge. Installed by the United States Geological Survey November 19, 1938.

OBSERVER:—Harley A. Bradshaw, caretaker.

RECORDS AVAILABLE:—April, 1929, to September 30, 1942.

REPUBLICAN RIVER NEAR HARDY

LOCATION:—Section 6, Township 1 South, Range 5 West. Established May 19, 1932, by the United States Geological Survey. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—1,501.46 feet above mean sea level.

DRAINAGE AREA:—22,500 square miles.

BENCH MARKS:—No. 2 is a standard bronze tablet set in concrete post located on north bank 60 feet from end of north downstream handrail, and thence at right angles 142 feet downstream, 29 feet back from bank, and 20 feet due west of 20-inch boxelder tree. Elevation, 11.38 feet. As the original bench mark was destroyed in 1935, the elevation of No. 2 was obtained from the reference point which may have been disturbed by the flood of 1935. Adjustable reference point on edge of recorder shelf. Elevation, 20.96 feet.

GAGE:—Chain gage attached to downstream bridge handrail. Length of chain, 22.17 feet.

RECORDER:—Stevens Type A-30 recorder in galvanized iron shelter and stilling well on downstream end of first pier from north bank.

OBSERVER:—A. E. Myler, caretaker.

RECORDS AVAILABLE:—May, 1932, to September 30, 1942.

ROCK CREEK NEAR PARKS

LOCATION:—In Section 21, Township 1 North, Range 30 West, at west edge of Parks, 100 feet downstream from county highway bridge and a quarter of a mile upstream from mouth. Established October 16, 1940, by Nebraska. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is a railroad spike in end wall piling of right abutment of bridge located 100 feet upstream. Elevation, 7.56 feet.

GAGE:—Staff gage, calibrated from 0 to 6.7 feet, at right downstream abutment on bridge 100 feet upstream from the station.

RECORDER:—A Stevens A-35 recorder furnished by the United States Bureau of Reclamation was installed October 16, 1940.

RECORDS AVAILABLE:—October 1, 1940, to September 30, 1942.

SAPPA CREEK NEAR BEAVER CITY

LOCATION:—Section 14, Township 1 North, Range 23 West, at bridge on Highway No. 21. Established May 18, 1937, by the United States Geological Survey. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

ELEVATION:—Zero of gage, 2,157.19 feet above sea level.

DRAINAGE AREA:—1,560 square miles.

BENCH MARKS:—No. 1 is a circle chiseled on the north downstream corner of bridge curb, marked S-1, 2,181.05. Elevation, 23.86 feet.

GAGE:—Chain gage located on downstream handrail of bridge. Chain length is 26.07 feet. Additional markers at 16.07 and 6.07 feet.

OBSERVATIONS:—Made twice daily by Frank M. Wright.

RECORDS AVAILABLE:—May 1, 1937, to September 30, 1942.

SHEEP CREEK NEAR MORRILL

LOCATION:—At highway bridge in the NW¼SW¼ of Section 16, Township 23 North, Range 57 West, 1 mile west of Morrill. Established January 26, 1932. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is a point marked with paint, also file mark, on under side of steel girder directly above gage. Elevation, 6.70 feet. Adjustable reference point in edge of recorder shelf. Elevation, 6.68 feet.

GAGE:—Staff gage consisting of 0-6.7 foot enamel scale mounted on 2x6 driven in bed of stream at the east bank directly under downstream side of highway bridge.

RECORDER:—Stevens Type F recorder in small timber shelter located 20 feet below highway bridge on west bank. Installed April, 1940, by Bureau of Reclamation.

OBSERVATIONS:—Made twice daily by J. H. Schultz from October 1, 1938, to April 20, 1940. Charts changed by water commissioner during irrigation season.

RECORDS AVAILABLE:—April, 1919, to September 30, 1942.

WHITE RIVER AT CRAWFORD

LOCATION:—Section 9, Township 31 North, Range 52 West. Station moved to this location from old highway bridge ½ mile downstream in Section 10 on October 3, 1933. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—295 square miles.

BENCH MARKS:—No. 1 is a cross chiseled in outer corner of downstream end of bridge seat in east abutment. Elevation, 15.08 feet.

GAGE:—Standard boxed chain gage with 0-10.0 foot enamel scale bolted to downstream handrail. Chain length, 23.64 feet.

OBSERVATIONS:—Made twice daily by Howard C. Dallam.

RECORDS AVAILABLE:—January, 1924, to December, 1928, and February, 1931, to September 30, 1942.

WHITE RIVER NEAR CHADRON

LOCATION:—In Section 18, Township 33 North, Range 49 West. Daily observations began April 14, 1931. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

DRAINAGE AREA:—750 square miles.

BENCH MARKS:—No. 1 is a 60d spike driven vertically in root of 24-inch cottonwood tree on west bank, 15 feet from edge of bank and 20 feet upstream from bridge. Elevation, 17.72 feet. No. 2 is a standard bronze tablet set in concrete post located 10 feet downstream from shelter and 35 feet back from west bank. Elevation, 22.06 feet. Reference point is slot in screw in edge of recorder shelf. Elevation, 21.59 feet.

GAGE:—Chain on downstream handrail of bridge. Chain length, 24.09 feet.

RECORDER:—Stevens Type A-30 in standard timber shelter installed December 8, 1934, by the United States Geological Survey.

OBSERVER:—Thomas A. Schuhmacher, caretaker.

RECORDS AVAILABLE:—April, 1924, to September 30, 1942.

WINTERS CREEK NEAR SCOTTSBLUFF

LOCATION:—In the center of Section 30, Township 22 North, Range 54 West, 1 mile above mouth and 1½ miles east of Scottsbluff. Established at this location November 19, 1938. Maintained by Nebraska and the United States Geological Survey under a co-operative agreement.

BENCH MARKS:—No. 1 is a standard bronze tablet set in top of concrete post located 3 feet west of shelter and 16 feet upstream. Elevation, 9.56 feet. No. 2 is a red cross painted on old concrete abutment located 4 feet west and 48 feet upstream from shelter. Elevation, 9.67 feet. Adjustable reference point on recorder shelf. Elevation, 11.52 feet.

GAGE:—Staff gage consisting of 0-3.3 foot enamel scale mounted on 2x6 fastened to old concrete abutment on the east bank, 30 feet upstream from bridge.

RECORDER:—A Stevens Type A-35 recorder in standard timber shelter located ½ mile south of Highway No. 26. Recorder installed November 19, 1938, to replace staff gage station located ½ mile upstream.

OBSERVATIONS:—Made twice daily by Wesley Lackey prior to November 19, 1938. Water commissioner during irrigation season.

RECORDS AVAILABLE:—January, 1919, to September 30, 1942.

DISCHARGE MEASUREMENTS ON THE NORTH PLATTE, SOUTH PLATTE, AND PLATTE RIVERS
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
NORTH PLATTE RIVER AT NEBRASKA-WYOMING LINE AT HENRY, NEBRASKA					
10- 3	H. P. Eisenhuth	247	1.94	1.26	480
10-15	John A. Whiting, Jr.	191	1.63	1.05	312
11- 8	Charles H. Carstens	113	1.76	.92	199
11-14	John A. Whiting, Jr.	185	1.92	1.19	356
11-19	Charles H. Carstens	179	1.93	1.20	345
12- 2	do	172	1.87	1.19	322
1- 7	do	146	2.01	1.33	294
1- 8	John A. Whiting, Jr.	165	1.85	1.27	306
1-22	Charles H. Carstens	160	1.79	1.22	287
2- 3	John A. Whiting, Jr.	161	1.83	1.24	294
2- 5	Charles H. Carstens	162	1.89	1.26	306
2-19	do	159	1.74	1.21	276
3- 5	do	168	1.80	1.24	303
3-19	do	156	1.78	1.26	277
4- 1	John A. Whiting, Jr.	81	1.57	.88	127
4- 5	Fred Hervert	104	1.58	1.09	164
4-17	do	147	1.67	1.24	245
5- 1	do	195	1.69	1.36	330
5- 2	John A. Whiting, Jr.	456	2.19	3.04	2090
5- 7	L. R. Sawyer	1320	2.37	3.51	3130
5-10	Fred Hervert	452	1.72	1.60	777
5-13	John A. Whiting, Jr.	210	1.66	1.08	349
5-16	Fred Hervert	177	1.97	1.00	349
5-20	John A. Whiting, Jr.	292	2.15	1.43	629
5-22	Fred Hervert	277	2.03	1.38	561
5-27	John A. Whiting, Jr.	302	1.96	1.42	591
5-30	Fred Hervert	397	1.99	1.77	792
6- 3	John A. Whiting, Jr.	538	2.06	2.11	1110
6- 6	Fred Hervert	450	2.33	2.06	1050
6-12	John A. Whiting, Jr.	539	1.99	1.92	1070
6-14	Fred Hervert	563	2.10	2.16	1180
6-17	do	362	1.99	1.59	720
6-24	John A. Whiting, Jr.	527	2.05	2.10	1080
6-28	K. S. Essex	611	2.18	2.21	1330
7- 1	John A. Whiting, Jr.	561	2.10	2.12	1180
7- 5	K. S. Essex	536	1.77	1.80	947
7- 8	John A. Whiting, Jr.	553	1.95	1.96	1080
7-12	K. S. Essex	518	3.11	2.43	1610
7-15	John A. Whiting, Jr.	386	1.92	1.53	740
7-18	K. S. Essex	460	1.92	1.70	881
7-22	John A. Whiting, Jr.	552	2.03	2.05	1120
7-25	Essex-Bauer	523	2.15	2.09	1130
7-29	John A. Whiting, Jr.	596	2.22	2.24	1320
8- 2	K. S. Essex	494	2.71	2.17	1340
8- 5	John A. Whiting, Jr.	495	2.00	1.86	991
8- 8	Bauer-Essex	535	2.15	2.04	1150

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT HENRY—Concluded				
8-12	John A. Whiting, Jr.	571	2.14	2.11	1220
8-15	Ivan W. Bauer	551	2.63	2.38	1450
8-19	John A. Whiting, Jr.	488	2.79	2.25	1360
8-22	Ivan W. Bauer	524	2.61	2.30	1370
8-26	John A. Whiting, Jr.	479	2.65	2.16	1270
8-29	Ivan W. Bauer	469	2.58	2.04	1210
9- 2	John A. Whiting, Jr	513	2.08	1.93	1070
9- 4	Ivan W. Bauer	525	1.72	1.84	904
9- 9	John A. Whiting, Jr.	517	2.15	2.00	1110
9-12	Ivan W. Bauer	421	1.97	1.78	829
9-16	John A. Whiting, Jr.	429	2.01	1.71	863
9-19	Ivan W. Bauer	412	2.27	1.92	937
9-25	John A. Whiting, Jr.	409	1.87	1.54	766
9-26	do	402	1.82	1.50	734
9-30	do	356	1.99	1.51	709
	NORTH PLATTE RIVER				
	SOUTH CHANNEL				
	Below Gering Spillway—Sec. 3-23-58 W.				
5- 1	Fred Hervert	6	1.29	0.56	8
5- 9	do	48	1.89	1.52	90
8- 8	K. S. Essex	14	1.48	.85	20
9- 4	Ivan W. Bauer	12	1.07	.77	12
9-11	do	11	1.02	.74	11
9-25	do	10	.94	.70	9
	NORTH PLATTE RIVER				
	NORTH CHANNEL				
	Below Tri-State Needle Dam—Sec. 10-23-58 W.				
8- 2	K. S. Essex	22	1.37	----	30
8- 8	do	10	.78	----	8
9- 4	Ivan W. Bauer	17	.30	----	5
9-18	do	14	.20	----	3
	NORTH PLATTE RIVER				
	SOUTH CHANNEL				
	Below Tri-State Needle Dam—Sec. 10-23-58 W.				
8- 2	K. S. Essex	22	1.64	----	36
8- 8	do	21	1.52	----	31
9- 4	Ivan W. Bauer	18	1.40	----	25
9-18	do	16	1.39	----	22
	NORTH PLATTE RIVER				
	RAMSHORN CHANNEL				
	Below Tri-State Control and Spillway—Sec. 13-23-58 W.				
9-18	Ivan W. Bauer	33	1.44	----	48

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		NORTH PLATTE RIVER AT MITCHELL			
10- 3	H. P. Eisenhuth	73	1.77	0.54	129
10-15	do	207	2.09	1.24	432
11- 7	Charles H. Carstens	87	1.75	.60	152
11-20	do	195	2.04	1.16	398
12- 3	do	237	2.03	1.35	480
12-19	do	267	2.08	1.84	555
1- 7	do	211	2.12	1.18	448
1-23	do	214	2.15	1.25	461
2- 6	do	233	2.06	1.25	480
2-19	do	227	1.99	1.22	451
3- 5	do	222	2.01	1.15	446
3-19	do	216	1.92	1.16	414
4- 5	Fred Hervert	168	1.81	.97	303
4-16	do	198	1.93	1.11	383
4-30	do	129	1.71	.86	221
5- 2	Hervert-Essex	608	2.62	2.67	1590
5-10	Fred Hervert	158	2.18	.96	345
5-22	do	63	1.75	.42	110
5-31	do	64	1.65	.38	105
6- 7	do	127	2.21	.81	281
6-10	do	1900	2.28	4.40	4340
6-18	do	283	2.49	1.44	656
6-25	K. S. Essex	295	2.38	1.48	701
7- 3	do	112	1.89	.75	212
7-19	do	125	1.93	.70	241
7-23	do	93	1.62	.53	151
7-30	do	139	2.17	.70	302
8-15	Ivan W. Bauer	175	1.98	.92	346
8-19	K. S. Essex	200	2.28	1.12	456
8-29	Ivan W. Bauer	184	2.03	1.01	374
9-10	do	132	1.97	.70	260
9-17	do	108	1.67	.60	180
9-25	do	180	1.93	1.00	347
		NORTH PLATTE RIVER AT MINATARE			
10- 2	H. P. Eisenhuth	128	1.63	0.55	209
10-14	do	196	1.94	1.00	382
11- 6	Charles H. Carstens	127	1.59	.63	202
11-22	do	239	1.62	1.21	386
12- 4	do	217	1.59	1.17	345
12-17	do	157	1.80	1.22	283
1- 6	do	170	1.82	1.19	310
1-21	do	178	1.87	1.13	332
2- 4	do	196	1.80	1.14	352
2-18	do	176	1.83	1.04	322
3- 4	do	176	1.86	1.06	328
3-18	do	163	1.74	1.02	283

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
NORTH PLATTE RIVER AT MINATARE—Concluded					
4- 4	Fred Hervert	164	1.70	0.98	278
4-15	do	179	1.73	1.08	309
4-29	do	149	1.72	.90	257
5- 3	do	738	1.56	3.09	1150
5-13	do	109	1.68	1.74	183
5-21	do	20	1.28	.81	25
5-29	do	6	1.31	.60	8
6-11	do	1620	2.21	4.59	3580
6-18	do	306	1.93	2.37	591
6-25	K. S. Essex	71	1.75	1.12	125
7- 3	do	79	2.04	1.21	161
7-14	do	355	2.00	2.54	710
7-23	do	41	1.29	.87	53
7-31	do	68	1.77	1.08	120
8-13	Ivan W. Bauer	36	1.46	.83	53
8-21	do	122	2.07	1.61	253
8-29	do	166	1.86	1.68	308
9-10	do	111	1.68	1.01	186
9-12	do	102	1.71	1.00	174
9-16	do	103	1.77	.97	182
9-24	do	184	2.06	1.50	379
9-30	do	209	2.25	1.64	471
NORTH PLATTE RIVER AT MINATARE					
NINE MILE CHANNEL					
10- 2	H. P. Eisenhuth	104	2.03	2.18	211
10-14	do	142	2.12	2.63	301
11- 6	Charles H. Carstens	88	2.18	1.86	191
11-22	do	122	2.28	2.52	278
12- 4	do	126	2.32	2.56	292
12-18	do	126	3.17	4.18	399
1- 6	do	135	2.14	2.48	289
1-21	do	124	2.33	2.40	289
2- 4	do	117	2.34	2.35	274
2-18	do	118	2.37	2.32	280
3- 4	do	116	2.41	2.31	280
3-18	do	123	2.28	2.30	281
4- 4	Fred Hervert	115	2.50	2.50	288
4-16	do	118	2.38	2.36	281
4-29	do	108	2.23	2.14	241
5- 3	do	115	3.83	3.09	441
5-13	do	65	1.98	1.20	129
5-21	do	42	1.66	.70	69
5-29	do	25	1.24	.40	36
6-11	do	147	4.48	3.94	659
6-18	do	105	3.27	2.70	343
6-25	K. S. Essex	77	2.05	1.33	157
7- 3	do	84	1.85	1.51	155

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		NORTH PLATTE RIVER AT MINATARE			
		NINE MILE CHANNEL—Concluded			
7-14	K. S. Essex	108	3.58	2.82	387
7-23	do	49	1.85	1.03	91
7-31	do	55	2.07	1.14	114
8-13	Ivan W. Bauer	38	1.78	.92	67
8-21	do	80	2.57	2.06	206
8-29	do	86	2.90	2.29	249
9-10	do	98	2.07	2.04	202
9-16	do	94	1.92	2.00	180
9-24	do	135	2.17	2.63	293
9-30	do	149	2.00	2.86	298
		NORTH PLATTE RIVER AT BRIDGEPORT			
10- 1	H. P. Eisenhuth	293	2.02	5.39	593
10-11	do	412	2.04	5.58	842
11- 2	Charles H. Carstens	316	1.87	5.25	590
11-18	do	446	2.22	5.64	989
11-26	do	415	1.95	5.54	811
12- 5	do	422	2.09	5.55	881
12-16	do	408	1.32	5.92	538
1- 4	do	367	2.09	5.36	767
1-11	do	402	2.04	5.46	820
1-20	do	389	2.06	5.51	803
1-27	do	388	2.05	5.51	794
2- 3	do	390	2.10	5.49	819
2-10	do	374	2.11	5.50	789
2-17	do	402	2.06	5.48	829
2-25	do	346	2.03	5.38	704
3- 3	do	378	2.23	5.46	843
3-10	do	363	2.07	5.41	751
3-17	do	368	2.08	5.41	766
3-25	do	385	2.09	5.52	804
4- 3	Fred Hervert	365	2.07	5.45	754
4- 8	do	383	2.02	5.45	774
4-14	do	366	2.03	5.44	744
4-21	do	344	2.13	5.40	734
4-28	do	317	2.04	5.27	648
5- 5	do	1240	1.96	6.16	2430
5-12	do	334	1.93	5.24	643
5-20	do	131	1.64	4.78	215
5-26	do	81	1.57	4.56	127
6- 2	do	96	1.38	4.40	133
6-10	do	1410	2.52	6.57	3550
6-12	do	2200	2.30	7.23	5070
6-16	do	993	2.18	6.08	2160
6-25	K. S. Essex	179	1.62	4.86	290
6-30	do	180	1.80	4.84	324
7- 7	do	237	1.88	5.10	445

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT BRIDGEPORT—Concluded				
7-14	K. S. Essex	530	2.19	5.68	1160
7-21	do	168	1.89	4.84	318
7-25	Essex-Bauer	49	1.44	4.23	71
7-28	K. S. Essex	48	1.50	4.15	72
8- 4	Ivan W. Bauer	150	1.63	4.70	245
8- 9	do	68	1.46	4.32	99
8-18	K. S. Essex	332	2.14	5.28	711
8-25	do	362	2.08	5.32	752
9- 3	Ivan W. Bauer	214	1.96	4.96	419
9- 8	do	190	1.88	4.93	357
9-15	do	276	2.03	5.18	561
9-23	do	382	2.25	5.46	859
9-29	do	425	2.32	5.58	986
	NORTH PLATTE RIVER AT BRIDGEPORT				
	BROWNS CREEK CHANNEL				
10- 1	H. P. Eisenhuth	45	2.07	1.66	94
10-11	do	42	2.20	1.67	91
11- 2	Charles H. Carstens	32	1.68	1.38	53
11-18	do	32	1.26	1.21	41
11-26	do	26	1.31	1.22	34
12- 5	do	24	1.60	1.15	42
12-16	do	18	1.48	1.24	26
1- 4	do	23	1.38	1.12	32
1-11	do	23	1.24	1.02	28
1-20	do	23	1.33	1.01	31
1-27	do	21	1.35	1.04	28
2- 3	do	23	1.45	1.04	34
2-10	do	20	1.29	.93	26
2-17	do	17	.97	.82	16
2-25	do	17	.50	.75	8
3- 3	do	20	.64	.77	13
3-10	do	16	.52	.69	8
3-17	do	15	.72	.72	11
3-25	do	18	.84	.78	15
4- 3	Fred Hervert	14	.84	.76	12
4- 8	do	12	.65	.71	8
4-14	do	12	.83	.72	10
4-21	do	13	.71	.72	9
4-28	do	5	1.15	.64	6
5- 5	do	42	1.76	1.46	73
5-12	do	6	1.30	.66	8
5-20	do	5	.59	.51	3
5-26	do	—	—	.46	0
6- 2	do	2	.64	.53	2
6-10	do	64	2.16	2.18	133
6-12	do	80	2.19	2.54	175
6-16	do	53	1.91	1.89	101

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT BRIDGEPORT				
	BROWNS CREEK CHANNEL—Concluded				
6-25	K. S. Essex	17	1.55	1.01	27
6-30	do	57	1.74	1.85	99
7- 7	do	56	1.85	1.82	104
7-14	do	59	2.29	2.18	136
7-17	do	45	1.99	1.75	90
7-21	do	36	2.09	1.45	74
7-25	Essex-Bauer	25	1.95	1.24	49
7-28	K. S. Essex	22	1.96	1.24	44
8- 4	Ivan W. Bauer	40	1.24	1.26	50
8- 9	do	34	1.04	1.10	35
8-18	K. S. Essex	47	2.51	1.92	118
8-25	do	42	2.23	1.76	94
9- 3	Ivan W. Bauer	26	2.24	1.41	59
9- 8	do	27	2.07	1.39	57
9-15	do	34	1.65	1.38	56
9-23	do	26	2.29	1.42	58
9-29	do	36	1.53	1.33	55
	NORTH PLATTE RIVER AT LISCO				
10- 7	Fred Hervert	427	1.75	1.48	747
11- 6	do	363	1.88	1.32	683
12- 2	do	524	1.95	1.57	1020
12-20	Charles H. Carstens	674	1.96	2.30	1320
1- 2	Fred Hervert	447	2.01	1.62	899
1-15	do	676	1.60	1.78	1080
2- 1	do	636	1.95	1.86	1240
2-17	do	459	1.94	1.43	889
3- 3	do	486	1.90	1.48	925
3-17	do	397	1.97	1.38	784
4- 7	do	473	1.98	1.44	936
4-21	do	492	1.93	1.44	951
5- 6	do	922	2.32	2.06	2140
5-15	do	269	1.64	.91	441
5-23	do	136	1.57	.68	213
6- 2	do	99	1.47	.57	145
6-13	do	1640	2.98	2.94	4890
6-24	K. S. Essex	318	1.54	.83	491
6-30	do	230	1.57	.76	362
7-10	do	208	1.42	.77	295
7-15	do	580	2.40	1.66	1390
7-24	do	136	1.23	.56	167
7-28	Ivan W. Bauer	84	1.39	.46	117
8- 1	do	102	1.57	.60	160
8- 5	do	150	1.47	.76	220
8-11	do	71	1.58	.54	112
8-18	do	157	1.59	.84	249
8-25	do	460	1.92	1.40	882

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT LISCO—Concluded				
9- 2	J. P. Hansen	353	1.73	1.26	611
9- 9	do	285	1.73	1.05	493
9-16	do	372	1.91	1.28	711
9-27	do	554	2.06	1.57	1140
9-30	do	593	2.09	1.64	1240
	NORTH PLATTE RIVER AT OSHKOSH				
10- 1	Fred Hervert	281	1.81	1.37	510
10- 8	do	390	1.81	1.56	706
11- 6	do	402	1.65	1.40	661
12- 3	do	497	2.04	1.64	1015
1-10	do	897	1.54	2.67	1378
1-20	do	549	1.58	2.12	869
2- 3	do	725	1.74	2.20	1260
2-17	do	407	2.23	1.58	909
3- 3	do	455	2.18	1.57	1080
3-17	do	410	1.93	1.54	792
4- 7	do	472	2.01	1.52	950
4-21	do	495	1.94	1.63	959
5- 6	do	857	2.15	2.02	1840
5-15	do	277	1.83	1.20	507
5-23	do	136	1.43	.90	195
6- 2	do	91	1.27	.87	116
6-14	Ivan W. Bauer	1540	2.79	2.91	4230
6-30	K. S. Essex	219	1.49	1.01	326
7-10	do	179	1.60	1.02	286
7-16	do	558	2.08	1.70	1160
7-24	do	147	1.35	1.10	198
7-28	Ivan W. Bauer	93	1.35	.96	126
8- 1	do	44	1.30	.63	57
8- 5	do	106	1.56	.91	165
8-11	do	53	1.58	.68	83
8-18	do	105	1.57	.91	165
8-25	Bauer-Hansen	480	1.68	1.50	805
9- 2	J. P. Hansen	362	1.60	1.33	578
9-10	do	287	1.54	1.20	441
9-16	do	324	1.71	1.34	554
9-26	do	573	1.87	1.69	1070
	NORTH PLATTE RIVER AT OSHKOSH				
	MIDLAND CHANNEL				
10- 1	Fred Hervert	25	1.58	2.28	40
10- 8	do	16	1.34	1.87	21
11- 6	do	15	1.21	1.77	18
12- 3	do	16	1.57	1.96	25
1-10	do	15	1.46	2.11	22
2- 3	do	26	.95	---	24
2-17	do	10	.95	1.35	9

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		NORTH PLATTE RIVER AT OSHKOSH			
		MIDLAND CHANNEL—Concluded			
3- 3	Fred Hervert	11	1.26	1.61	14
3-17	do	6	1.17	1.28	7
4- 7	do	10	1.08	1.38	11
4-21	do	14	1.36	1.59	19
5- 6	do	18	1.61	1.83	28
5-15	do	6	1.31	1.21	7
5-23	do	21	1.68	2.07	35
6- 2	do	20	1.53	1.95	31
6-30	K. S. Essex	13	1.45	1.50	18
7-10	do	21	1.51	1.82	32
7-16	do	23	1.60	2.10	46
7-24	do	4	.93	1.15	4
7-28	Ivan W. Bauer	6	1.25	1.26	8
8- 1	do	21	1.45	2.05	31
8- 5	do	16	1.20	1.65	19
8-11	do	4	1.08	1.10	5
8-18	do	12	1.30	1.47	15
8-25	Bauer-Hansen	21	1.45	1.93	31
9- 3	J. P. Hansen	14	1.26	1.50	18
9-10	do	15	1.31	1.52	19
9-16	do	16	1.22	1.76	20
9-26	do	21	1.56	1.95	32
		NORTH PLATTE RIVER AT LEWELLEN			
		NORTH CHANNEL			
12- 3	Fred Hervert	289	2.87	3.72	829
1- 3	do	280	2.43	3.62	681
1-15	do	304	2.78	3.79	845
2- 3	do	356	2.63	3.80	936
2-18	do	251	2.69	3.43	674
3- 4	do	311	2.52	3.59	785
3-18	do	261	2.64	3.48	690
4- 1	do	291	2.46	3.54	716
4- 8	Ivan W. Bauer	277	2.51	3.52	696
4-15	do	278	2.57	3.56	714
4-22	Bauer-Hervert	321	2.46	3.54	789
4-29	Ivan W. Bauer	273	2.26	3.39	618
5- 9	do	470	3.13	4.12	1470
5-13	do	430	1.95	3.52	839
5-19	do	197	1.97	2.94	389
5-26	do	100	1.70	2.75	170
6- 3	Fred Hervert	132	1.70	2.86	224
6- 6	Ivan W. Bauer	386	2.38	3.92	917
6-14	do	959	3.25	4.90	3120
6-23	do	295	1.95	3.17	574
7- 7	do	210	1.92	3.02	404
7-16	K. S. Essex	319	2.29	3.60	730

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT LEWELLEN				
	NORTH CHANNEL—Concluded				
7-18	Ivan W. Bauer	246	2.11	3.27	520
7-24	do	89	1.78	2.60	159
7-28	Melvin Kleen	77	1.81	2.66	139
7-30	Ivan W. Bauer	47	1.44	2.42	68
8- 5	do	77	1.42	2.62	109
8-11	do	49	1.35	2.50	66
8-15	Fred Hervert	38	1.34	2.46	51
8-18	Ivan W. Bauer	67	1.57	2.62	105
8-26	Bauer-Hansen	260	2.23	3.50	579
9- 4	J. P. Hansen	198	2.05	3.15	406
9-11	do	175	1.93	3.16	338
9-17	do	213	1.98	3.27	422
9-25	do	433	1.89	3.66	817
	NORTH PLATTE RIVER AT LEWELLEN				
	SOUTH CHANNEL				
12- 3	Fred Hervert	124	2.06	3.24	256
1- 3	do	129	2.37	3.53	306
1-15	do	169	2.51	3.89	425
2- 3	do	184	2.36	3.94	434
2-18	do	164	2.13	3.73	349
3- 4	do	114	2.52	3.50	287
3-18	do	137	2.18	3.58	299
4- 1	Ivan W. Bauer	100	2.16	3.64	346
4- 8	do	168	2.38	3.62	399
4-15	do	158	2.22	3.60	350
4-22	do	177	2.39	3.70	423
4-29	do	164	2.18	3.47	357
5- 9	do	344	2.17	4.40	745
5-13	do	152	2.34	3.45	355
5-19	do	73	1.80	2.76	132
5-26	do	47	.90	2.31	42
6- 3	Fred Hervert	56	1.21	2.44	68
6- 6	Ivan W. Bauer	272	1.98	4.02	538
6-14	do	629	2.70	5.48	1700
6-23	do	87	2.14	2.91	186
7- 7	do	71	1.94	2.76	138
7-16	K. S. Essex	260	1.93	3.62	501
7-18	Ivan W. Bauer	116	2.21	3.22	256
7-24	do	42	1.69	2.51	71
7-28	Melvin Kleen	40	1.71	2.47	69
7-30	Ivan W. Bauer	25	1.04	2.22	26
8- 5	do	35	1.56	2.48	55
8-11	do	20	1.49	2.35	30
8-15	Fred Hervert	18	1.39	2.29	25
8-18	Ivan W. Bauer	38	1.59	2.57	60
8-26	Bauer-Hansen	132	2.27	3.47	299

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		NORTH PLATTE RIVER AT LEWELLEN			
		SOUTH CHANNEL—Concluded			
9- 4	J. P. Hansen	88	1.90	3.00	167
9-11	do	77	1.89	2.92	146
9-17	do	96	1.90	3.15	182
9-25	do	171	2.16	3.74	370
		NORTH PLATTE RIVER AT KEYSTONE			
		Sec. 1-14-38 W.			
10- 2	Fred Hervert	216	2.01	2.01	436
11- 8	do	104	.86	1.36	89
12- 4	do	15	.75	.88	12
1- 4	do	25	1.00	.98	25
1-16	do	83	1.25	1.30	104
1-24	do	17	.76	.86	13
2- 4	do	142	1.78	1.62	253
2-18	do	11	.79	.83	9
3- 4	do	17	.68	.85	12
3-18	do	15	.44	.82	7
3-31	Ivan W. Bauer	20	.41	.88	8
4- 8	do	20	.28	.88	6
4-16	do	11	.57	.76	6
4-23	do	11	.63	.72	7
4-30	do	12	.74	.80	9
5- 8	do	13	1.09	.85	12
5-17	do	16	.71	.78	11
		NORTH PLATTE RIVER AT SUTHERLAND			
10- 2	Fred Hervert	125	1.29	3.10	161
10-10	do	114	1.16	3.13	133
10-25	do	117	1.10	3.13	129
11- 1	do	117	1.09	3.11	127
12- 4	do	95	1.23	3.17	117
12-21	do	176	.84	3.50	148
1- 6	do	94	1.05	3.34	98
1-16	do	206	1.26	3.40	260
2- 4	do	277	1.49	3.47	414
2-23	do	131	.99	3.34	130
3- 5	do	110	1.20	3.10	132
3-19	do	80	1.33	3.07	107
3-30	do	77	1.38	3.09	107
4- 9	Ivan W. Bauer	65	1.50	3.08	97
4-16	do	79	1.46	3.12	115
4-30	do	152	1.49	3.26	227
5- 7	do	75	1.38	3.11	103
5-16	do	50	1.57	2.95	78
5-27	do	209	1.57	3.41	328
6-10	do	36	1.45	2.94	52

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT SUTHERLAND—Concluded				
6-17	Ivan W. Bauer	21	1.16	2.60	25
6-25	do	56	1.35	2.95	76
7- 9	Bauer-Kleen	69	1.40	3.12	97
7-19	do	.11	.78	2.61	8
7-25	Melvin Kleen	14	.85	2.57	12
7-28	do	76	1.83	4.16	1400
7-29	Ivan W. Bauer	524	1.77	3.89	925
8- 6	do	8	.90	2.59	7
8-12	do	6	.85	2.47	5
8-18	do	10	1.08	2.45	11
8-27	Bauer-Hansen	85	1.47	2.92	125
9- 6	J. P. Hansen	9	.83	2.55	7
9-12	do	9	.93	2.51	8
9-19	do	17	.47	2.49	8
9-23	do	203	1.40	3.25	285
	NORTH PLATTE RIVER AT NORTH PLATTE				
10- 3	Fred Hervert	260	1.57	2.54	408
10-10	do	222	1.65	2.52	365
10-25	do	205	1.60	2.44	329
10-31	do	208	1.55	2.43	323
11- 9	do	215	1.57	2.50	338
11-20	do	286	1.56	2.56	445
12- 5	do	224	1.56	2.38	350
12-21	do	226	1.47	2.67	333
1- 6	do	288	.88	2.73	254
1-21	do	323	1.49	2.80	481
2- 5	do	376	1.86	2.69	701
2-20	do	91	1.01	1.85	92
2-24	do	220	1.55	2.52	342
3- 5	do	199	1.88	2.43	375
3-19	do	174	1.78	2.37	310
3-31	do	174	1.73	2.38	301
4- 7	Ivan W. Bauer	173	1.93	2.33	334
4-14	do	216	1.81	2.41	391
4-21	do	266	1.94	2.57	515
4-28	do	175	1.86	2.35	326
5- 5	do	213	1.69	2.38	360
5-10	do	170	1.63	2.29	277
5-20	do	158	1.60	2.25	253
5-28	do	259	1.83	2.54	475
6- 9	do	217	1.62	2.46	351
6-18	do	90	1.52	2.16	137
6-26	do	179	1.79	2.50	320
7- 3	do	414	2.03	3.00	839
7-10	Bauer-Kleen	177	1.72	2.33	304
7-17	do	166	1.49	2.22	248
7-23	do	146	1.47	2.18	215

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
NORTH PLATTE RIVER AT NORTH PLATTE—Concluded					
7-29	Melvin Kleen	739	1.99	3.32	1470
8- 1	do	255	1.49	2.29	377
8- 7	do	63	1.42	1.86	90
8-13	do	39	1.27	1.77	49
8-20	do	97	1.53	2.05	148
8-28	do	205	1.60	2.30	327
9- 6	do	110	1.37	2.08	151
9-13	do	163	1.50	2.21	244
9-19	do	124	1.39	2.11	172
9-22	do	258	1.80	2.52	465
9-24	do	396	1.88	2.80	744
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 1					
10- 3	*C. E. Schnurr	.....	.....	.....	0
10-25	K. S. Essex	.....	.....	.....	0
10-25	*W. E. Wagner	.....	.....	.....	0
11- 8	K. S. Essex	.....	.....	.....	0
11-18	C. E. Schnurr	.....	.....	.....	0
11-27	K. S. Essex	.....	.....	.....	0
12- 9	W. E. Wagner	.....	.....	.....	0
12-18	K. S. Essex	.....	.....	.....	0
12-26	W. E. Wagner	.....	.....	.....	0
1- 8	C. E. Schnurr	.....	.....	.....	0
1-28	do	.....	.....	.....	0
2-13	W. E. Wagner	2	.25	.92	1
2-22	K. S. Essex	3	.53	.90	2
2-27	W. E. Wagner	4	.51	1.03	2
3-12	C. E. Schnurr	.....	.....	.80	0
3-19	K. S. Essex	.....	.....	.....	0
3-27	C. E. Schnurr	.....	.....	.....	0
4- 8	W. E. Wagner	.....	.....	.....	0
4-17	K. S. Essex	.....	.....	.....	0
5- 5	do	.....	.....	.....	0
5- 7	C. E. Schnurr	.....	.....	.....	0
5-15	K. S. Essex	.....	.....	.....	0
6- 3	*G. E. Brees	.....	.....	.....	0
6-20	K. S. Essex	.....	.....	.97	0
7-10	C. E. Schnurr	.....	.....	.....	0
7-30	G. E. Brees	.....	.....	.....	0
8-15	do	.....	.....	.....	0
8-27	do	.....	.....	.....	0
9- 6	K. S. Essex	.....	.....	.....	0
9-17	C. E. Schnurr	.....	.....	.19	0

*Colorado Hydrographers

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 2					
10- 3	*C. E. Schnurr	19	1.47	1.10	29
10-25	K. S. Essex	17	1.85	1.03	31
10-25	*W. E. Wagner	16	1.83	1.03	30
11- 8	K. S. Essex	20	1.91	1.17	39
11-18	C. E. Schnurr	65	1.86	2.03	121
11-27	K. S. Essex	45	2.19	1.65	98
12- 9	W. E. Wagner	25	2.26	1.12	57
12-18	K. S. Essex	42	1.82	1.48	76
12-26	W. E. Wagner	50	1.95	1.68	98
1- 8	C. E. Schnurr	44	2.23	1.62	99
1-28	do	45	2.13	1.68	95
2-13	W. E. Wagner	85	2.10	2.28	179
2-22	K. S. Essex	86	2.15	2.26	184
2-27	W. E. Wagner	81	2.16	2.25	174
3-12	C. E. Schnurr	38	1.89	1.48	72
3-19	K. S. Essex	35	1.87	1.42	66
3-27	C. E. Schnurr	65	1.94	2.08	126
4- 8	W. E. Wagner	34	2.04	1.56	70
4-17	K. S. Essex	42	1.83	1.59	76
5- 5	do	29	1.72	1.39	51
5- 7	C. E. Schnurr	23	2.01	1.32	47
5-15	K. S. Essex	20	1.75	1.21	34
6- 3	*G. E. Brees	30	1.77	1.32	53
6-20	K. S. Essex	47	2.14	1.74	101
7-10	C. E. Schnurr	28	2.11	1.25	59
7-30	G. E. Brees	22	1.71	.76	37
8-15	do	27	2.08	1.07	56
8-27	do	36	1.81	1.21	65
9- 6	K. S. Essex	22	1.88	.97	41
9-17	C. E. Schnurr	19	1.91	.83	34

*Colorado Hydrographers

SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 3					
10-25	K. S. Essex	—	—	—	0
11- 8	do	—	—	—	0
11-27	do	—	—	—	0
12-18	do	—	—	—	0
2-22	do	—	—	—	0
3-19	do	—	—	—	0
4-17	do	—	—	—	0
5- 5	do	—	—	—	0
5-15	do	—	—	—	0
6-20	do	—	—	—	0
9- 6	do	—	—	—	0

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
SOUTH PLATTE RIVER AT JULESBURG, COLORADO					
CHANNEL NO. 4					
10- 3	*C. E. Schnurr	2	0.48	0.11	1
10-25	K. S. Essex	1	.83	.14	1
10-25	*W. E. Wagner	1	.69	.14	1
11- 8	K. S. Essex	1	1.14	.16	1
11-19	C. E. Schnurr	5	1.01	.49	5
11-27	K. S. Essex	2	1.45	.30	2
12- 9	W. E. Wagner	2	.95	.18	2
12-18	K. S. Essex	1	1.64	.29	2
12-26	W. E. Wagner	4	1.16	.36	4
1- 8	C. E. Schnurr	5	.96	.36	5
1-28	do	5	.97	.36	5
2-13	W. E. Wagner	15	1.74	1.14	27
2-22	K. S. Essex	19	1.49	1.16	28
2-27	W. E. Wagner	16	1.92	1.28	31
3-12	C. E. Schnurr	4	.78	.29	4
3-19	K. S. Essex	3	.73	.19	2
3-27	C. E. Schnurr	12	1.02	.59	12
4- 8	W. E. Wagner	4	.88	.25	3
4-17	K. S. Essex	4	1.23	.36	5
5- 5	do	2	1.00	.22	2
5- 7	C. E. Schnurr	2	.89	.22	2
5-15	K. S. Essex	2	1.13	.20	2
6- 3	*G. E. Brees	2	.75	.15	1
6-20	K. S. Essex	4	1.78	.42	7
7-10	C. E. Schnurr	3	.56	.20	1
7-30	G. E. Brees	2	.56	.14	1
8-15	do	2	.57	.18	1
8-27	do	3	.56	.21	2
9- 6	K. S. Essex	1	1.34	.19	1
9-17	C. E. Schnurr	2	.39	.20	1

*Colorado Hydrographers

SOUTH PLATTE RIVER AT PAXTON

10- 2	Fred Hervert	8	0.92	1.51	7
10-13	do	9	1.07	1.54	10
11- 8	do	13	1.31	1.61	17
11-20	do	50	1.66	2.02	84
12- 4	do	46	1.56	1.97	71
12-21	do	50	1.93	2.03	97
1- 4	do	59	1.90	2.15	113
1-16	do	76	1.94	2.19	147
2- 4	do	81	1.95	2.15	159
2-24	do	95	2.34	2.53	222
3- 5	do	114	1.84	2.50	210
3-19	do	70	1.83	2.11	128
3-31	do	52	1.93	1.92	101
4- 9	Ivan W. Bauer	55	1.64	1.82	90

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	SOUTH PLATTE RIVER AT PAXTON—Concluded				
4-16	Ivan W. Bauer	48	1.75	1.78	84
4-23	do	88	2.06	2.24	181
4-30	do	84	1.92	2.13	161
5- 8	do	56	1.90	1.91	107
5-17	do	43	1.44	1.66	62
5-27	do	31	1.45	1.58	44
6- 7	do	59	1.84	1.97	109
6-16	do	125	2.13	2.64	267
6-24	do	66	1.82	1.94	121
7- 8	Bauer-Kleen	48	1.69	1.72	81
7-19	do	57	1.85	1.84	106
7-25	Melvin Kleen	23	1.92	1.46	44
8- 6	Ivan W. Bauer	16	1.30	1.37	21
8-12	do	10	1.39	1.34	14
8-19	do	9	1.30	1.31	12
8-27	Bauer-Hansen	11	1.13	1.29	12
9- 6	J. P. Hansen	4	.97	1.26	4
9-13	do	16	1.09	1.23	17
9-20	do	10	.86	1.23	8
9-24	do	19	1.33	1.34	25
	SOUTH PLATTE RIVER AT NORTH PLATTE				
10- 3	Fred Hervert	30	1.63	0.27	49
10-10	do	36	1.66	.26	60
10-25	do	29	1.57	.22	45
10-31	do	31	1.61	.23	50
11- 9	do	31	1.66	.24	52
11-20	do	45	1.72	.29	78
12- 5	do	66	1.71	.44	112
12-21	do	77	1.55	.53	119
1- 5	do	83	1.93	.36	161
1-20	do	105	1.75	.56	184
2- 5	do	109	1.91	.64	208
2-24	do	253	1.16	1.69	293
3- 5	do	147	2.05	.79	302
3-19	do	101	1.90	.50	192
3-31	Ivan W. Bauer	94	2.00	.26	188
4- 7	do	96	2.05	.36	197
4-14	do	90	2.01	.28	182
4-21	do	127	2.25	.59	286
4-28	do	121	2.21	.49	268
5- 5	do	106	2.17	.42	230
5-10	do	91	1.97	.32	179
5-20	do	65	1.83	.07	119
5-28	do	65	1.85	.02	120
6- 9	do	105	2.22	.37	233
6-18	do	134	2.13	.56	285
6-26	do	101	2.08	.38	210

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
SOUTH PLATTE RIVER AT NORTH PLATTE—Concluded					
7- 3	Ivan W. Bauer	85	1.99	0.18	169
7-10	do	63	1.99	.05	126
7-17	Bauer-Kleen	89	1.98	.18	176
7-23	do	68	1.84	.10	125
8- 1	Melvin Kleen	60	1.87	.02	112
8- 7	do	35	1.64	.09	58
8-13	do	25	1.59	.11	40
8-20	do	39	1.72	.04	68
8-28	do	41	1.70	.00	70
9- 6	do	33	1.67	.09	55
9-13	do	33	1.59	—	48
9-20	do	27	1.53	.00	42
9-22	do	52	1.85	.10	96
9-24	do	72	2.02	.20	146
PLATTE RIVER AT BRADY ISLAND					
CHANNEL NO. 1					
10- 4	Fred Hervert	278	1.45	2.05	402
10-11	do	324	1.66	2.32	539
10-24	do	497	2.13	2.76	1060
10-30	do	440	2.15	2.74	944
11- 9	do	488	1.83	2.65	891
12- 5	do	404	2.01	2.60	811
12-20	do	347	1.24	3.12	429
1- 7	do	252	1.09	2.64	274
1-21	do	244	1.38	2.46	336
2- 5	do	120	1.48	1.86	177
2-21	do	96	1.06	1.73	102
3- 6	do	102	1.25	1.80	127
3-20	do	91	1.24	1.57	113
3-29	do	97	1.25	1.58	121
4-12	Ivan W. Bauer	84	1.46	1.53	123
4-21	do	149	1.56	1.81	233
5- 1	do	101	1.46	1.64	147
5-10	do	91	1.19	1.53	109
5-20	do	91	1.45	1.62	132
5-28	do	56	1.48	1.46	73
6- 9	do	43	1.06	1.34	46
6-18	do	18	.89	1.08	16
6-26	do	10	1.11	1.04	11
7- 3	do	27	1.46	1.24	40
7-10	Bauer-Kleen	19	1.39	1.20	26
7-17	do	20	1.23	1.16	24
7-30	Melvin Kleen	108	1.29	1.64	139
8- 7	do	7	1.12	.83	8
8-13	do	3	.86	.75	3
8-20	do	8	.93	1.05	8
8-27	do	13	.98	1.16	13
9- 2	do	31	1.19	1.29	36

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	PLATTE RIVER AT BRADY ISLAND				
	CHANNEL NO. 1—Concluded				
9-10	Melvin Kleen	11	1.05	1.13	12
9-17	do	10	.92	1.12	9
9-23	do	38	1.14	1.35	43
9-24	do	105	1.33	1.58	140
	PLATTE RIVER AT BRADY ISLAND				
	CHANNEL NO. 2				
10- 4	Fred Hervert	—	—	—	0
10-24	do	—	—	—	0
12- 5	do	—	—	—	0
1- 7	do	—	—	—	0
1-21	do	—	—	—	0
3- 6	do	—	—	—	0
3-20	do	—	—	—	0
5-10	Ivan W. Bauer	—	—	—	0
5-20	do	—	—	—	0
5-28	do	—	—	—	0
6- 9	do	—	—	—	0
6-18	do	—	—	—	0
8-20	Melvin Kleen	—	—	—	0
9-17	do	—	—	—	0
	PLATTE RIVER AT BRADY ISLAND				
	CHANNEL NO. 3				
10- 4	Fred Hervert	—	—	—	0
10-24	do	—	—	0.53	0
10-30	do	—	—	.60	0
12- 5	do	—	—	—	0
1- 7	do	—	—	—	0
1-21	do	—	—	—	0
3- 6	do	—	—	—	0
3-20	do	—	—	—	0
5-10	Ivan W. Bauer	—	—	—	0
5-20	do	—	—	—	0
5-28	do	—	—	—	0
6- 9	do	—	—	—	0
6-18	do	—	—	—	0
8-20	Melvin Kleen	—	—	—	0
9-17	do	—	—	—	0
9-23	do	—	—	.64	0
	PLATTE RIVER AT BRADY ISLAND				
	CHANNEL NO. 4				
10- 4	Fred Hervert	—	—	—	0
10-11	do	20	1.31	0.85	26
10-24	do	32	1.42	1.06	46
10-30	do	39	1.49	1.11	58

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	PLATTE RIVER AT BRADY ISLAND				
	CHANNEL NO. 4—Concluded				
11- 9	Fred Hervert	37	1.46	1.06	54
12- 5	do	49	1.65	1.23	81
12-20	do	28	1.39	1.17	39
1- 7	do	38	.60	1.21	23
1-21	do	34	1.25	1.08	42
2- 5	do	30	1.34	.91	40
2-21	do	39	.88	1.17	34
3- 6	do	32	1.24	1.00	39
3-20	do	27	1.36	.87	36
3-29	Ivan W. Bauer	26	1.37	.85	35
4-12	do	28	1.38	.89	38
4-21	do	55	1.68	1.20	93
5- 1	do	36	1.40	.99	51
5-10	do	22	1.54	.79	34
5-20	do	27	1.70	.94	45
5-28	do	14	1.13	.75	16
6- 9	do	23	1.35	.79	30
6-18	do	12	1.11	.71	13
6-26	do	8	1.07	.66	9
7- 3	do	11	1.16	.70	13
7-10	Bauer-Kleen	5	.64	.48	3
7-17	do	18	1.37	.74	24
7-30	Melvin Kleen	19	1.10	.77	21
8- 7	do	4	.84	.49	4
8-13	do	1	.72	.45	1
8-20	do	1	.42	.33	1
8-27	do	12	1.12	.67	13
9- 2	do	24	1.39	.85	33
9-10	do	5	.98	.51	5
9-17	do	3	.85	.43	3
9-23	do	24	1.31	.82	31
9-24	do	85	1.48	1.52	126
	PLATTE RIVER AT COZAD				
	NORTH CHANNEL				
10- 5	Fred Hervert	34	0.94	1.44	32
10-12	do	59	1.24	1.50	74
10-23	do	6	.72	1.02	4
10-29	do	23	.59	1.22	14
11- 2	do	148	1.94	2.28	287
11-19	do	448	2.19	3.02	981
12- 6	do	185	2.24	2.34	414
12-18	do	286	1.45	3.14	416
1- 7	do	134	1.66	2.46	223
1-22	do	95	2.10	2.20	199
2- 6	do	91	1.81	1.85	165
2-21	do	75	.84	1.86	63
3- 6	do	64	1.62	1.62	103

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		PLATTE RIVER AT COZAD			
		NORTH CHANNEL—Concluded			
3-20	Fred Hervert	99	1.69	1.94	167
3-29	Ivan W. Bauer	75	1.93	1.86	145
4-11	do	100	1.96	1.81	196
4-26	do	79	1.52	1.74	120
5- 3	do	73	1.74	1.76	126
5-13	do	70	1.74	1.82	122
5-22	do	86	1.21	1.74	105
6- 2	do	33	1.57	1.48	52
6-13	do	72	1.68	1.81	122
6-21	do	19	1.23	1.26	24
7- 1	do	34	1.37	1.42	47
7-15	Bauer-Kleen	67	1.75	1.88	117
7-22	do	3	.93	.96	3
8- 2	Melvin Kleen	5	1.04	.99	6
8- 8	do	8	.99	1.00	8
8-16	do	2	.84	.86	2
8-26	do	8	1.12	1.03	9
9- 3	do	8	1.06	1.00	9
9- 4	do	158	1.84	2.26	291
9- 5	do	7	1.56	1.26	11
9- 8	do	5	1.34	1.08	7
9-16	do	6	1.23	1.02	7
9-23	do	123	1.70	2.07	209
		PLATTE RIVER AT COZAD			
		SOUTH CHANNEL			
10- 5	Fred Hervert	4	1.12	1.10	5
10-12	do	5	.98	1.12	5
10-23	do	6	.78	1.13	5
10-29	do	8	.94	1.15	8
11- 2	do	8	1.28	1.16	10
11-20	do	10	1.19	1.15	12
12- 6	do	288	1.45	1.97	419
12-18	do	274	1.24	2.44	339
1- 7	do	188	.96	1.98	180
1-22	do	250	1.12	2.03	279
2- 6	do	126	1.57	1.92	198
2-21	do	84	1.20	1.68	100
3- 6	do	26	.96	2.12	245
3-20	do	98	1.20	1.79	117
3-29	do	72	1.45	1.76	105
4-11	Ivan W. Bauer	88	1.50	1.78	132
4-26	do	76	1.56	1.70	119
5- 3	do	103	1.44	1.72	148
5-13	do	96	1.44	1.76	139
5-22	do	103	1.50	1.81	155
6- 2	do	95	1.48	1.79	140

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		PLATTE RIVER AT COZAD			
		SOUTH CHANNEL—Concluded			
6-13	Ivan W. Bauer	33	1.33	1.58	44
6-21	do	7	.81	1.18	6
7- 1	do	32	1.31	1.53	42
7-15	Bauer-Kleen	13	.94	1.44	12
7-22	do	5	.81	1.26	4
8- 2	Melvin Kleen	6	.87	1.29	5
8- 8	do	4	.82	1.24	3
8-16	do	3	1.07	1.22	3
8-26	do	4	.88	1.25	4
9- 3	do	3	1.18	1.30	3
9- 8	do	4	.91	1.26	3
9-16	do	2	.84	1.21	2
9-23	do	13	.89	1.35	12
		PLATTE RIVER AT OVERTON			
10- 5	Fred Hervert	—	—	0.53	0
10-12	do	—	—	.55	0
10-23	do	—	—	.49	0
10-30	do	—	—	.46	0
11-19	do	579	1.54	2.46	891
12- 6	do	619	1.70	2.75	1050
12-19	do	520	1.08	2.91	561
1- 7	do	288	.79	2.55	228
1-22	do	323	.73	2.46	236
2- 6	do	285	1.42	2.38	406
2-22	do	105	.76	2.43	80
3- 7	do	238	1.57	2.68	374
3-20	do	181	1.53	2.44	277
3-28	Hervert-Bauer	159	1.60	2.39	256
4-17	Ivan W. Bauer	218	1.37	2.44	298
4-25	do	173	1.53	2.37	264
5- 2	do	188	1.45	2.40	273
5-14	do	157	1.36	2.43	213
5-21	do	420	1.50	2.66	630
6- 5	do	72	1.30	2.34	94
6-11	do	128	1.48	2.44	189
6-20	do	10	.80	2.15	8
6-30	do	1	.86	1.87	1
7-14	Bauer-Kleen	316	1.47	2.81	464
7-21	do	11	.77	2.12	8
8- 2	Melvin Kleen	26	1.09	2.25	29
8- 9	do	86	1.10	2.38	95
8-16	do	67	1.32	2.36	88
8-23	do	39	1.19	2.26	46
8-30	do	44	1.31	2.29	58
9- 4	do	2	.68	1.93	1
9-11	do	—	—	1.77	0
9-20	do	—	—	1.54	0
9-27	do	120	1.20	2.48	144

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	PLATTE RIVER BELOW STREVER CREEK				
	Sec. 4-8-19 W.				
8-23	Melvin Kleen	31	1.47	0.95	46
	PLATTE RIVER AT ODESSA				
10- 5	Fred Hervert	—	—	—	0
10-30	do	—	—	0.50	0
11-19	do	—	—	—	0
12- 7	do	393	1.58	1.40	622
12-19	do	80	.94	1.23	74
1- 8	do	40	.78	.98	31
1-23	do	117	.48	—	56
2- 6	do	285	1.31	1.31	373
2-22	do	19	.25	—	5
3- 7	do	87	1.33	—	116
3-21	do	28	.99	.72	28
3-28	Ivan W. Bauer	4	.86	.50	4
4-10	do	4	.89	.52	4
4-17	do	26	1.31	.75	34
4-25	do	45	1.40	.95	64
5- 2	do	8	.65	.65	6
5-14	do	1	.57	.51	1
5-21	do	455	1.49	1.66	680
6- 5	do	16	.90	.92	15
6-11	do	87	.99	1.16	86
6-20	do	—	—	—	0
6-30	do	—	—	.73	0
7-14	Bauer-Kleen	—	—	.41	0
8- 2	Melvin Kleen	—	—	.41	0
8-16	do	—	—	—	0
8-30	do	—	—	—	0
9- 5	do	—	—	—	0
9-11	do	—	—	.19	0
9-20	do	—	—	—	0
	PLATTE RIVER AT GRAND ISLAND				
10- 6	L. J. Glasier	—	—	—	0
10-22	do	—	—	—	0
11- 6	do	—	—	—	0
12-23	do	—	—	0.73	0
1- 7	do	18	0.66	2.00	12
1-20	do	69	.70	2.58	48
1-28	do	48	.41	2.25	20
2-12	do	503	1.37	2.86	691
2-24	do	45	.88	2.31	40
3-12	do	418	.99	3.04	414
3-27	do	110	1.81	2.55	199
4- 9	do	230	1.71	2.63	409

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	PLATTE RIVER AT GRAND ISLAND—Concluded				
4-22	L. J. Glasier	506	1.75	2.81	886
5- 8	do	113	1.47	2.46	166
5-21	do	89	1.39	2.43	121
6- 6	do	235	1.46	2.68	343
6-25	Charles H. Carstens	130	1.19	2.54	155
7- 5	L. J. Glasier	—	—	1.78	0
7-17	Charles H. Carstens	—	—	—	0
7-24	L. F. Hanks	—	—	—	0
9- 3	A. J. Ferrin	—	—	—	0
9- 8	Charles H. Carstens	—	—	—	0
	PLATTE RIVER AT DUNCAN				
10- 7	L. J. Glasier	—	—	0.34	0
10-23	do	—	—	—	0
11- 6	do	—	—	—	0
11-18	do	—	—	1.02	2
12- 3	do	—	—	.90	0
12-21	do	—	—	1.29	15
1- 7	do	61	0.58	1.72	36
1-20	do	106	.86	1.84	91
1-28	do	29	.33	1.56	10
2-11	do	427	1.34	2.35	572
2-25	do	82	.58	1.74	48
3-11	do	278	2.15	2.00	597
3-26	do	134	1.99	1.65	266
4-10	do	434	1.75	2.10	761
4-23	do	358	1.52	1.94	543
5- 8	do	104	1.66	1.50	173
5-22	Glasier-Follansbee	81	1.21	1.42	98
6- 6	L. J. Glasier	220	1.69	1.78	372
6-23	Charles H. Carstens	39	1.43	1.30	56
7- 2	L. J. Glazier	57	1.51	1.34	86
7-24	L. F. Hanks	—	—	.85	0
9-22	A. J. Ferrin	—	—	.97	3
	PLATTE RIVER AT ASHLAND				
10- 8	L. J. Glasier	848	1.86	1.64	1580
10-18	do	758	1.56	1.36	1180
10-28	do	878	1.80	1.65	1580
11- 8	do	915	1.90	1.69	1740
11-20	do	1220	2.22	2.06	2710
12- 5	do	810	2.35	1.78	1900
12-21	do	1100	.72	2.82	791
1- 6	do	529	1.63	2.11	864
1-16	do	2110	1.89	3.37	3980
1-27	do	751	1.82	2.60	1370
2- 6	do	1810	2.07	3.32	3750

MEASUREMENTS OF PLATTE RIVERS—Concluded

Year Ending September 30, 1941

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	PLATTE RIVER AT ASHLAND—Concluded				
2-17	L. J. Glasier	3120	3.25	3.84	10140
2-26	do	766	2.53	1.90	1940
3- 8	do	1890	2.87	2.86	5420
3-18	do	1520	2.78	2.17	4220
3-28	do	1420	2.56	2.14	3630
4- 7	do	1810	2.53	2.51	4580
4-17	do	2070	2.65	2.80	5480
4-26	do	2120	2.45	2.76	5200
5- 6	do	1800	2.71	2.62	4870
5-16	do	1430	2.59	2.22	3710
5-26	do	1800	2.11	2.27	3800
6- 5	do	2820	2.96	3.33	8350
6-14	do	1760	2.42	2.42	4260
6-24	do	3080	3.07	3.70	9450
7- 4	do	897	1.83	1.32	1640
7-23	L. F. Hanks	697	1.98	1.32	1380
8- 2	do	531	1.82	1.12	965
8-20	Ferrin-Hanks	279	1.31	.42	365
8-28	A. J. Ferrin	367	1.66	.80	608
9- 8	do	1490	1.91	2.02	2850
9-17	do	2360	2.33	2.85	5500
9-22	do	1160	1.68	1.43	1950

DISCHARGE MEASUREMENTS ON THE NORTH PLATTE, SOUTH PLATTE, AND PLATTE RIVERS
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
NORTH PLATTE RIVER AT NEBRASKA-WYOMING LINE AT HENRY, NEBRASKA					
10- 3	Ivan W. Bauer	285	1.91	1.38	544
10-10	do	220	1.97	1.20	434
10-14	John A. Whiting	198	1.88	1.11	373
10-17	Ivan A. Bauer	190	1.93	1.16	368
10-24	do	191	1.95	1.18	372
10-31	do	178	1.78	1.10	316
11- 3	John A. Whiting	176	1.93	1.14	340
11-21	J. P. Hansen	241	2.05	1.42	495
11-28	do	275	1.90	1.44	521
12- 6	do	285	1.84	1.48	524
12-19	do	270	1.82	1.50	490
12-23	John A. Whiting	261	2.00	1.42	521
12-27	J. P. Hansen	267	1.50	1.38	399
1-14	John A. Whiting	267	1.86	2.46	497
1-15	J. P. Hansen	266	1.75	2.40	466
2- 2	do	193	1.88	1.20	364
2-19	do	240	1.62	1.49	389
2-20	John A. Whiting	278	1.88	1.85	522
2-27	J. P. Hansen	182	1.94	1.14	353
3- 7	do	154	2.16	1.13	328
3-12	do	154	1.85	1.05	286
3-20	do	158	2.06	1.14	325
3-22	John A. Whiting	129	2.21	1.11	284
4- 3	Kimmel-Hansen	128	1.83	1.08	234
4- 9	J. P. Hansen	192	1.96	1.18	377
4-10	John A. Whiting	160	2.08	1.06	333
4-16	J. P. Hansen	120	2.14	1.05	257
4-23	do	158	2.03	1.10	321
5- 3	John A. Whiting	942	2.73	3.20	2570
5-12	do	1780	2.59	4.11	4610
5-13	J. P. Hansen	2100	2.67	4.48	5600
5-18	John A. Whiting	2060	2.67	4.20	5510
5-21	J. P. Hansen	1670	2.80	3.90	4780
5-25	John A. Whiting	1110	3.07	3.05	3410
5-29	J. P. Hansen	818	2.52	2.17	2070
6- 5	do	503	2.30	1.42	1160
6-10	John A. Whiting	527	2.42	1.49	1270
6-17	J. P. Hansen	392	2.30	1.16	902
6-24	John A. Whiting	451	2.44	1.32	1010
7- 1	Hansen-Essex	333	2.20	1.14	732
7- 7	John A. Whiting	554	2.13	1.65	1180
7-16	J. P. Hansen	604	2.52	1.97	1520
7-22	John A. Whiting	569	2.62	1.89	1490
7-29	J. P. Hansen	593	2.26	1.88	1340
8- 4	John A. Whiting	525	2.38	1.79	1250
8-13	J. P. Hansen	510	2.44	1.74	1250

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT HENRY—Concluded				
8-19	John A. Whiting	566	2.09	1.71	1160
8-26	J. P. Hansen	525	2.26	1.80	1190
9- 3	John A. Whiting	503	2.11	1.68	1060
9- 8	J. P. Hansen	473	2.24	1.69	1070
9-15	John A. Whiting	437	2.10	1.49	922
9-15	J. P. Hansen	424	2.16	1.49	917
9-16	do	410	2.18	1.44	895
	NORTH PLATTE RIVER				
	SOUTH CHANNEL				
	Below Gering Spillway—Sec. 3-23-58 W.				
10- 2	Ivan W. Bauer	31.6	1.87	1.30	59
10-16	do	72.2	2.67	2.25	193
6-17	J. P. Hansen	31.6	.69	.66	22
7- 9	do	30.3	.60	.60	18
8-20	do	13.7	1.44	.60	20
8-26	do	13.2	1.40	.60	18
9-14	do	14.1	1.42	.60	20
	NORTH PLATTE RIVER				
	NORTH CHANNEL				
	Below Tri-State Needle Dam—Sec. 10-23-58 W.				
7- 9	J. P. Hansen	7.2	1.78	—	12.8
8-27	do	13.3	.60	—	22.8
9-14	do	15.9	1.84	—	29.2
	NORTH PLATTE RIVER				
	SOUTH CHANNEL				
	Sec. 13-23-58 W.				
8-26	J. P. Hansen	49.2	1.62	—	79.6
9-14	do	55.4	1.69	—	93.6
	NORTH PLATTE RIVER				
	RAMSHORN CHANNEL				
	Below Tri-State Control and Spillway—Sec. 13-23-58 W.				
7- 9	J. P. Hansen	13.2	0.33	—	4.4
8-26	do	21.0	1.68	—	35.2.
9-14	do	59.0	1.85	—	108.9
	NORTH PLATTE RIVER AT MITCHELL				
10-25	Ivan W. Bauer	287	2.41	1.72	691
10-15	do	253	2.27	1.47	574
11-20	J. P. Hansen	189	3.17	1.54	599
11-26	do	265	2.62	1.74	697
12- 5	do	282	2.38	1.64	670
12-20	do	274	2.34	1.62	641
1-16	do	184	3.57	1.77	659
2- 3	do	242	2.39	1.53	578

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
NORTH PLATTE RIVER AT MITCHELL—Concluded					
2-20	J. P. Hansen	230	2.44	1.37	562
3- 7	do	192	2.33	1.18	448
3-13	do	200	2.22	1.20	445
4- 3	Kimmel-Hansen	181	2.20	1.11	398
4- 8	J. P. Hansen	215	2.33	1.32	502
4-16	do	186	2.32	1.19	432
4-22	do	202	2.12	1.20	430
4-27	do	524	2.59	2.61	1460
5- 5	do	838	2.78	3.23	2330
5-12	do	1940	2.44	4.50	4740
5-20	do	2140	2.89	4.74	5810
5-28	do	878	3.01	3.21	2640
6- 6	do	259	2.63	1.36	681
6-13	do	215	2.65	1.10	570
6-16	do	180	2.43	1.95	437
7- 6	do	92	1.98	.98	183
7-17	do	129	2.16	1.34	279
7-24	do	172	2.63	1.88	452
8- 6	do	115	2.14	1.41	246
8-14	do	131	2.31	1.55	302
8-27	do	120	2.31	1.52	278
9- 3	do	123	2.40	1.54	295
9-10	do	133	2.45	1.64	327
9-18	do	205	2.55	2.10	522
NORTH PLATTE RIVER AT MINATARE					
10- 7	Ivan Bauer	276	2.18	1.80	603
10-14	do	222	2.33	1.64	517
10-23	do	233	2.07	1.69	482
11-20	J. P. Hansen	230	2.15	1.85	495
11-26	do	244	2.17	1.91	530
12- 4	do	262	2.19	2.00	576
12-24	do	241	2.03	1.98	490
1-21	Ivan Bauer	217	2.23	1.81	483
2- 4	J. P. Hansen	252	1.88	1.89	473
2-21	do	245	2.07	1.98	507
3- 6	do	208	2.01	1.76	418
3-21	Kimmel-Hansen	216	1.92	1.70	415
4- 7	J. P. Hansen	188	1.87	1.55	352
4-14	do	180	1.85	1.65	336
4-21	do	197	1.87	1.68	365
4-28	do	546	2.14	2.96	1170
5- 7	do	970	2.40	3.84	2330
5-15	do	1690	3.05	4.92	5150
5-19	do	1720	2.98	4.76	5140
5-26	do	1050	2.76	3.90	2890
6- 2	do	452	2.43	2.34	1100
6-10	do	296	2.13	1.58	631
6-20	do	232	2.06	1.37	479

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT MINATARE—Concluded				
7- 7	J. P. Hansen	113	1.76	0.76	199
7-14	do	113	1.76	.81	199
7-25	do	170	1.96	1.18	334
8- 8	do	137	2.09	1.00	287
8-21	do	135	1.92	.95	259
8-29	do	141	2.00	1.04	283
9- 1	do	171	1.98	1.10	339
9-11	do	207	2.05	1.32	436
9-26	do	448	2.21	2.24	991
	NORTH PLATTE RIVER AT MINATARE				
	NINE MILE CHANNEL				
10- 7	Ivan Bauer	112	3.21	2.96	360
10-14	do	108	3.33	2.93	360
10-23	do	108	3.20	2.88	346
11-20	J. P. Hansen	110	3.71	2.89	408
11-26	do	110	3.50	2.93	385
12- 5	do	115	3.43	2.84	386
12-24	do	118	3.60	2.98	425
1-20	do	103	3.45	2.56	345
2- 4	do	98	3.32	2.50	328
2-21	do	97	3.31	2.36	321
3- 6	do	87	3.10	2.16	271
3-21	Kimmel-Essex-Hansen	95	2.72	2.20	259
4- 7	J. P. Hansen	112	2.20	2.02	246
4-14	do	116	2.22	2.13	259
4-21	do	124	2.24	2.20	277
4-28	do	118	3.64	2.96	430
5- 7	do	140	4.02	3.44	563
5-15	do	199	4.10	3.88	818
5-19	do	195	4.10	3.83	798
5-26	do	153	3.62	3.25	555
6- 2	do	885	.31	2.04	278
6-10	do	80	2.12	1.58	170
6-20	do	67	2.00	1.39	134
7- 7	do	22	1.52	.61	32
7-14	do	51	2.13	1.24	110
7-25	Hanks-Hansen	74	2.43	1.65	180
8- 8	J. P. Hansen	47	2.05	1.20	97
8-21	do	43	1.95	1.08	83
8-29	do	43	2.11	1.16	91
9- 1	do	49	2.13	1.25	105
9-11	do	59	2.15	1.36	127
9-26	do	79	3.27	2.20	260
	NORTH PLATTE RIVER AT BRIDGEPORT				
10- 6	J. P. Hansen	606	2.22	5.75	1350
10-13	do	533	2.10	5.61	1180
10-21	Ivan Bauer	512	2.26	5.61	1160

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT BRIDGEPORT—Concluded				
10-28	Ivan Bauer	496	2.36	5.62	1170
11- 7	do	498	2.34	5.69	1170
11-19	J. P. Hansen	503	2.18	5.61	1100
11-25	do	519	2.98	5.62	1140
12- 4	Essex-Hansen	526	2.32	5.72	1220
12-18	J. P. Hansen	483	2.24	5.63	1080
12-22	do	545	2.06	5.72	1120
1-14	Bauer-Hansen	643	2.08	6.79	1340
1-27	Bauer-Hilpert	558	2.15	5.84	1200
2- 6	J. P. Hansen	518	2.24	5.62	1160
2-16	do	474	2.09	5.54	990
2-28	do	472	2.02	5.52	950
3- 9	do	471	2.01	5.48	948
3-21	Essex-Kimmel	460	2.02	5.50	930
3-30	E. S. Kimmel	471	1.80	5.38	848
4- 4	J. P. Hansen	409	1.91	5.38	781
4-13	do	409	2.08	5.43	852
4-20	do	478	2.12	5.57	1010
4-24	do	770	2.22	6.17	1710
4-29	do	919	2.26	6.16	2070
5- 1	do	1110	2.59	6.63	2880
5- 3	K. S. Essex	1090	2.66	6.62	2900
5- 9	J. P. Hansen	1410	2.55	6.96	3600
5-10	Essex-Kimmel-Hansen	2050	2.78	7.58	5690
5-15	Hilpert-Essex	2600	3.16	8.00	8220
5-23	J. P. Hansen	1780	2.91	7.56	5170
6- 1	do	820	2.66	6.01	2180
6- 8	do	571	2.26	5.62	1290
6-15	do	567	2.22	5.46	1260
6-22	do	479	2.15	5.35	1030
7- 2	do	402	2.07	5.11	831
7- 6	do	242	1.84	4.67	446
7-13	do	215	1.99	4.66	427
7-27	do	306	2.18	5.00	666
8- 3	Essex-Hansen	312	2.12	5.06	661
8-10	J. P. Hansen	306	2.33	5.06	713
8-17	do	247	2.09	4.91	516
8-24	do	212	2.00	4.78	424
8-31	do	243	2.16	4.98	525
9-12	do	310	2.31	5.17	715
9-21	do	592	2.47	5.90	1460
9-28	do	620	2.39	6.01	1480
9-30	Essex-Hanks	632	2.23	6.04	1410
	NORTH PLATTE RIVER AT BRIDGEPORT BROWNS CREEK CHANNEL				
10- 6	J. P. Hansen	31.4	1.51	1.28	47.5
10-13	do	28.1	1.69	---	47.4
10-21	Ivan Bauer	27.2	1.69	1.31	46.0

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT BRIDGEPORT				
	BROWNS CREEK CHANNEL—Concluded				
10-28	Ivan Bauer	24.1	1.58	1.23	38.0
11- 7	do	27.4	1.48	1.30	40.7
11-19	J. P. Hansen	29.8	1.69	___	50.6
11-26	do	28.1	1.70	___	47.9
12- 4	do	28.7	1.61	___	48.0
12-18	do	24.1	1.62	___	39.0
12-22	do	25.1	1.67	___	42.0
1-14	Hansen-Bauer	49.2	1.94	2.93	95.6
1-27	Bauer-Hilpert	26.0	1.43	1.25	37.2
2- 6	J. P. Hansen	16.5	1.25	1.10	20.6
2-16	do	18.6	1.24	1.15	23.1
2-28	do	17.0	1.06	1.12	18.0
3- 9	do	14.3	1.36	1.00	19.4
3-21	Essex-Kimmel	12.4	1.17	1.00	14.6
3-30	do	18.2	1.05	.98	19.2
4- 4	J. P. Hansen	13.8	1.31	.98	18.1
4-13	do	13.8	1.16	.95	16.0
4-20	do	16.6	1.32	1.06	21.9
4-24	do	26.6	1.71	1.43	45.4
4-29	do	26.6	1.51	1.35	40.1
5- 1	do	43.0	1.76	1.81	75.8
5- 3	K. S. Essex	42.6	1.80	1.74	76.6
5- 9	J. P. Hansen	52.6	1.85	2.02	97.5
5-10	Kimmel-Hansen-Essex	66.2	2.45	2.70	162.0
5-15	Hilpert-Essex	76.6	2.96	3.21	227.0
5-23	J. P. Hansen	59.0	2.73	2.44	161.0
6- 1	do	13.8	1.37	1.17	18.9
6- 8	do	10.2	1.30	1.12	13.3
6-15	do	38.7	1.79	1.81	69.3
6-22	do	34.0	1.79	1.77	61.0
7- 2	do	32.5	1.50	1.50	48.7
7- 6	do	25.5	1.43	1.27	36.5
7-13	do	31.6	1.32	1.31	41.6
7-27	do	53.6	1.90	1.94	102.0
8- 3	do	44.1	1.47	1.46	65.0
8-10	do	34.7	1.80	1.54	62.5
8-17	do	27.9	1.47	1.21	40.9
8-24	do	51.5	1.66	1.77	85.4
8-31	do	42.0	1.76	1.54	74.1
9-12	do	57.3	1.61	1.72	92.4
9-21	do	58.0	2.02	1.96	117.0
9-28	do	57.8	1.90	1.94	110.0
9-30	Essex-Hanks	57.8	1.90	1.95	110.0
	NORTH PLATTE RIVER AT LISCO				
10-14	J. P. Hansen	676	1.98	1.65	1340
10-22	do	603	2.11	1.66	1270
11-17	do	575	1.76	1.60	1100

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT LISCO—Concluded				
12- 3	J. P. Hansen	536	2.54	1.68	1360
12-15	do	572	2.28	1.72	1310
1-19	do	467	3.48	2.79	1630
2- 2	Bauer-Hilpert	685	1.92	2.12	1320
2-14	J. P. Hansen	566	2.19	1.56	1240
3- 9	do	550	2.09	1.51	1150
3-23	do	559	2.02	1.58	1130
4- 1	E. S. Kimmel	595	1.88	1.44	1120
4- 6	do	569	1.75	1.40	1010
4-13	do	582	1.89	1.49	1100
4-20	do	674	2.08	1.69	1400
4-27	do	955	2.56	2.10	2450
5- 5	do	1370	2.72	2.44	3730
5-11	do	1990	3.05	3.02	6060
5-18	do	2210	3.25	2.96	7180
5-25	do	2100	2.87	2.56	6030
6- 1	do	1270	2.59	1.70	3290
6- 8	do	568	2.82	1.20	1600
6-15	do	602	2.66	1.32	1600
6-22	do	577	2.13	1.17	1230
6-29	do	629	2.35	1.36	1480
7-14	do	302	1.74	.65	523
7-24	Hanks-Kimmel	331	1.97	.96	651
8- 1	E. S. Kimmel	434	2.00	1.12	870
8- 8	do	394	2.00	1.02	780
8-15	do	349	1.90	.93	663
8-22	do	248	1.84	.72	457
8-29	do	258	1.80	.81	463
9- 4	do	383	1.84	1.04	706
9-12	do	382	2.05	1.13	782
9-18	do	576	2.12	1.33	1230
9-22	do	755	2.28	1.72	1720
	NORTH PLATTE RIVER AT OSHKOSH				
10- 1	J. P. Hansen	650	1.94	1.75	1260
10-14	do	647	2.06	1.77	1330
10-23	do	662	1.98	1.80	1310
11-18	do	649	1.91	1.70	1240
12- 2	do	688	1.97	1.76	1360
12-17	do	801	2.26	2.08	1810
1-13	do	659	1.75	2.79	1150
2- 3	Bauer-Hilpert	708	2.09	2.42	1480
2-13	J. P. Hansen	665	2.02	1.72	1350
3-10	do	651	1.93	1.68	1260
3-23	do	636	1.93	1.74	1230
4- 7	E. S. Kimmel	564	1.88	1.54	1060
4-14	do	589	1.90	1.56	1120
4-21	do	723	2.00	1.76	1450
4-28	do	1030	2.37	2.12	2440

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT OSHKOSH—Concluded				
5- 6	E. S. Kimmel	1330	2.75	2.54	3660
5-13	do	1930	3.09	3.24	5970
5-19	do	2080	3.22	3.28	6700
5-26	do	1809	3.13	3.01	5630
6- 1	do	1270	2.70	2.26	3440
6- 9	do	767	2.33	1.62	1790
6-16	do	773	2.33	1.78	1800
6-22	do	618	2.07	1.40	1280
6-29	do	684	2.09	1.52	1430
7-12	do	185	1.91	.78	353
7-23	do	371	1.99	1.10	739
7-31	do	454	1.87	1.28	847
8- 7	do	454	1.90	1.22	864
8-14	do	396	1.77	1.14	702
8-21	do	281	1.52	.96	428
8-28	do	256	1.65	.98	423
9- 4	do	385	1.82	1.16	703
9-11	do	421	2.02	1.26	850
9-17	do	500	2.00	1.32	1000
9-22	do	775	2.14	1.74	1660
	NORTH PLATTE RIVER AT OSHKOSH				
	MIDLAND CHANNEL				
10- 1	J. P. Hansen	22	1.46	1.97	32.3
10-15	do	19	1.25	1.83	24.3
10-23	do	15	1.53	1.78	23.6
11-18	do	16	1.06	1.58	16.4
12- 2	do	14	1.44	1.63	20.4
12-17	do	----	----	----	.0
1-13	do	----	----	.90	3.0
2- 3	Hilpert-Bauer	16	1.51	1.84	25.0
2-14	J. P. Hansen	15	1.32	1.74	19.0
3-10	do	11	1.30	1.62	14.1
3-23	do	12	1.35	1.58	15.7
4-13	E. S. Kimmel	10	1.24	1.40	12.3
4-21	do	13	1.46	1.70	19.9
4-28	do	22	1.63	2.06	36.2
5- 6	do	29	1.62	2.28	48.1
5-13	do	37	1.65	1.52	61.3
5-19	do	40	1.53	1.47	61.9
5-26	do	32	1.69	1.34	55.5
6- 1	do	18	1.32	.76	24.3
6- 8	do	2	.63	.02	1.3
6-16	do	1	.69	.18	.5
6-22	do	1	.64	.21	.4
6-29	do	----	----	.14	.0
7-12	do	9	1.34	.72	13.0
7-23	do	25	1.80	1.58	46.3
7-31	do	27	1.78	1.59	48.5
8- 7	do	23	1.58	1.34	36.6

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT OSHKOSH				
	MIDLAND CHANNEL—Concluded				
8-14	E. S. Kimmel	18	1.35	1.13	24.8
8-21	do	15	1.24	.98	19.3
8-28	do	10	1.33	.85	14.4
9- 4	do	19	1.52	1.22	28.8
9-11	do	22	1.79	1.45	40.9
9-17	do	24	1.70	1.53	41.6
9-22	do	22	1.62	1.41	35.8
9-28	do	23	1.67	1.33	38.8
	NORTH PLATTE RIVER AT LEWELLEN				
	NORTH CHANNEL				
10- 1	J. P. Hansen	417	2.26	3.70	941
10- 7	do	549	2.11	3.94	1160
10-17	do	462	2.21	3.72	1020
10-21	do	423	2.33	3.71	996
10-31	do	461	2.30	3.73	1060
11- 6	do	476	2.29	3.75	1090
11-13	Melvin Kleen	431	2.41	3.68	1040
11-17	do	439	2.35	3.68	1030
12- 4	do	436	2.29	3.72	998
12-18	do	486	2.33	3.81	1130
1- 8	do	308	2.10	----	648
1-29	Bauer-Hilpert	612	2.16	4.57	1320
2-12	J. P. Hansen	453	2.09	3.60	956
3- 3	do	466	2.66	4.46	1240
3-10	do	416	2.18	3.50	909
3-21	Melvin Kleen	388	2-13	3.54	829
4- 4	do	323	1.93	3.31	623
4- 7	E. S. Kimmel	333	1.97	3.25	657
4-14	do	350	2.14	3.42	754
4-21	do	448	2.20	3.68	994
4-28	do	569	2.40	4.19	1640
5- 6	do	990	2.73	4.52	2700
5-11	Fred Hervert	1020	2.84	4.64	2900
5-20	E. S. Kimmel	1580	2.99	5.16	4710
5-27	do	1340	2.93	4.74	3920
6- 2	do	905	2.64	3.92	2390
6- 9	do	543	2.89	3.38	1570
6-17	do	531	2.47	3.18	1320
6-23	do	417	2.61	3.06	1100
6-30	do	423	2.57	3.26	1090
7-13	do	197	2.25	2.50	444
7-22	do	167	2.07	2.60	347
7-28	do	263	2.18	2.88	581
8- 6	do	330	2.15	3.05	708
8-14	do	288	2.14	2.90	617
8-18	do	251	1.82	2.78	458
8-24	do	168	1.79	2.62	299

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT LEWELLEN				
	NORTH CHANNEL—Concluded				
8-31	E. S. Kimmel	175	1.93	2.65	338
9- 8	do	312	2.06	3.02	644
9-14	do	293	2.27	3.12	666
9-21	do	459	2.64	3.57	1210
	NORTH PLATTE RIVER AT LEWELLEN				
	SOUTH CHANNEL				
10- 1	J. P. Hansen	190	2.22	3.84	421
10- 7	do	248	2.10	4.03	521
10-17	do	222	2.07	3.89	459
10-21	do	231	2.03	3.89	469
10-31	do	235	2.13	3.98	500
11- 6	do	204	2.07	3.83	423
11-10	Melvin Kleen	256	1.78	3.75	455
11-17	do	181	2.35	3.77	425
12- 4	do	198	2.43	3.94	482
12-15	do	111	1.30	3.43	256
1- 8	do	165	1.97	4.51	325
1-29	Bauer-Hilpert	247	1.75	4.25	434
2-12	J. P. Hansen	240	2.25	4.22	541
3- 3	do	240	2.34	4.33	562
3-10	do	240	2.18	4.13	523
3-21	Melvin Kleen	170	2.59	4.02	440
4- 4	do	132	2.67	3.86	352
4- 7	E. S. Kimmel	200	2.07	3.87	414
4-14	do	200	2.06	3.82	411
4-21	do	223	2.12	4.02	476
4-28	do	426	1.89	4.53	807
5- 6	do	619	2.26	4.97	1400
5-11	Fred Hervert	645	2.32	5.05	1500
5-20	E. S. Kimmel	919	2.18	5.44	2370
5-26	do	609	2.76	4.89	1680
6- 2	do	366	2.59	4.10	949
6- 9	do	243	2.09	3.50	507
6-17	do	214	2.00	3.48	428
6-23	do	209	1.98	3.48	413
6-30	do	216	2.10	3.52	454
7-13	do	103	1.61	2.88	166
7-22	do	102	1.57	2.89	160
7-28	do	132	1.61	3.13	213
8- 6	do	149	1.71	3.28	255
8-14	do	112	1.74	3.06	1.95
8-18	do	82	1.67	2.98	137
8-24	do	59	1.73	2.84	103
8-31	do	63	1.66	2.86	105
9- 8	do	122	1.84	3.24	225
9-14	do	118	1.85	3.22	218
9-21	do	200	1.95	3.72	391

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		NORTH PLATTE RIVER AT KEYSTONE			
		Sec. 1-14-38 W.			
2-28	Fred Hervert	8	0.72	0.60	6.1
3- 7	Melvin Kleen	13	.47	.58	6.2
3-16	Fred Hervert	15	.79	.71	12.5
3-24	Melvin Kleen	11	.68	.70	7.6
3-30	Fred Hervert	15	.53	.68	8.1
4- 8	E. S. Kimmel	6	1.12	.64	6.8
4-15	do	4	1.44	.64	6.2
4-22	do	9	.74	.66	7.0
4-29	do	7	1.29	.65	9.5
5- 7	do	6	1.60	.63	9.7
5-15	do	6	1.44	.68	9.8
5-15	Fred Hervert	19	.52	.68	10.2
5-20	E. S. Kimmel	6	.89	.66	5.7
5-27	Fred Hervert	175	1.96	1.85	346.0
5-29	E. S. Kimmel	57	1.51	1.15	86.5
6- 3	do	32	1.53	.98	49.9
6- 6	Fred Hervert	64	2.05	1.34	132.0
6-10	E. S. Kimmel	74	1.67	1.27	124.0
6-17	do	49	1.52	1.12	74.6
6-25	do	48	1.52	1.10	74.4
7- 1	do	53	1.56	1.14	83.4
7-13	Fred Hervert	179	1.95	2.17	350.0
7-15	E. S. Kimmel	253	1.81	2.37	466.0
7-21	Fred Hervert	190	1.99	2.27	378.0
7-27	E. S. Kimmel	364	2.11	2.82	777.0
8- 4	do	1200	1.92	3.75	2300.0
8- 8	Fred Hervert	----	----	3.56	1650.0
8-11	E. S. Kimmel	833	1.99	3.29	1660.0
8-18	do	220	2.08	2.46	457.0
8-25	do	206	2.20	2.44	454.0
9- 1	do	206	1.98	2.34	409.0
9- 9	do	13	1.16	1.43	16.1
9-15	do	13	1.12	1.32	15.4
9-23	do	11	1.05	1.13	11.9
		NORTH PLATTE RIVER AT SUTHERLAND			
10- 3	J. P. Hansen	35	1.13	2.74	40
10-16	do	87	1.11	2.96	97
10-24	do	80	1.13	2.96	90
10-29	do	105	1.90	3.10	114
11- 5	do	87	1.13	3.10	98
11-14	Melvin Kleen	78	1.21	3.07	95
11-24	do	73	1.02	3.14	73
12- 3	do	58	1.61	3.07	93
12-17	do	113	1.43	3.19	163
1- 6	do	47	1.13	3.38	53
1-30	Bauer-Hilpert	153	1.16	3.35	178

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT SUTHERLAND—Concluded				
2-11	Melvin Kleen	83	1.39	3.17	117
2-24	do	81	1.20	3.30	95
3- 3	do	112	1.10	3.43	120
3-12	do	104	1.30	3.04	135
3-31	do	112	1.32	3.05	148
4- 9	E. S. Kimmel	87	1.23	2.87	108
4-16	do	83	1.03	2.98	85
4-24	do	234	1.43	3.26	334
5- 9	do	139	1.24	3.06	173
5-14	do	282	1.61	3.35	453
5-22	do	108	1.13	2.98	122
5-28	do	11	.96	2.59	10
6- 5	do	13	1.09	2.59	14
6-12	do	35	1.09	2.71	38
6-19	do	17	1.07	2.65	19
6-26	do	80	1.13	2.88	91
7- 3	do	16	.83	2.67	13
7-17	do	31	1.37	2.82	42
7-29	do	25	1.56	3.19	404
8- 6	do	875	2.12	4.05	1860
8-13	do	641	1.88	3.68	1210
8-20	do	117	1.41	2.79	165
8-27	do	96	1.35	2.71	131
9- 2	do	1040	2.14	4.35	2230
9-10	do	85	1.30	2.58	111
9-16	do	60	1.09	2.51	65
9-24	do	53	1.00	2.51	53
	NORTH PLATTE RIVER AT NORTH PLATTE				
10- 3	Melvin Kleen	193	1.66	2.34	320
10-11	do	179	1.62	2.35	290
10-18	do	202	1.57	2.33	318
10-28	do	227	1.68	2.45	382
11- 7	do	185	1.77	2.31	329
11-18	do	172	1.84	2.30	316
11-26	do	189	1.40	2.45	295
12- 6	do	181	1.63	2.32	296
12-23	do	198	1.89	2.40	375
12-31	do	172	1.51	2.54	260
1-30	Bauer-Hilpert	249	1.73	2.60	431
2-12	Melvin Kleen	197	1.70	2.32	335
2-23	do	254	1.40	2.52	356
3- 2	do	209	1.80	2.59	379
3-10	do	272	1.80	2.50	500
3-31	do	248	1.81	2.45	450
4- 8	do	181	1.68	2.30	305
4-16	do	149	1.54	2.20	229
4-19	Kleen-Hervert	1140	2.60	3.84	2960
4-25	Melvin Kleen	588	2.19	3.04	1290
5- 8	do	270	1.70	2.41	459

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	NORTH PLATTE RIVER AT NORTH PLATTE—Concluded				
5-15	Melvin Kleen	352	1.81	2.56	637
5-22	do	212	1.59	2.28	336
5-28	do	157	1.41	2.15	220
6- 8	do	147	1.40	2.09	206
6-15	do	161	1.41	2.18	227
6-20	do	291	1.80	2.53	525
6-29	do	232	1.56	2.28	363
7- 9	do	146	1.42	2.08	207
7-16	do	92	1.34	2.00	124
7-22	do	87	1.35	1.97	118
7-27	do	214	1.66	2.34	354
8- 5	do	761	2.06	3.30	1570
8-11	do	685	2.19	3.08	1500
8-14	do	614	2.22	3.06	1360
8-19	do	223	1.69	2.26	376
8-26	do	180	1.58	2.20	285
9-10	do	232	1.79	2.26	415
9-16	do	211	1.67	2.24	352
9-23	do	189	1.60	2.18	302
	SOUTH PLATTE RIVER AT JULESBURG, COLORADO				
	CHANNELS NO. 1, 2 AND 3				
	Using Gage Heights on No. 2 Channel				
10-10	*G. E. Brees	----	----	1.82	133
10-29	do	----	----	2.05	160
11-13	*C. E. Schnurr	----	----	2.56	237
11-28	*G. E. Brees	----	----	2.69	255
12-11	*C. E. Schnurr	----	----	2.55	219
12-30	*G. E. Brees	----	----	2.10	173
1-13	*C. E. Schnurr	----	----	1.00	226
2- 5	do	----	----	2.94	308
2-11	J. P. Hansen	----	----	2.94	278
2-25	*G. E. Brees	----	----	2.58	241
2-28	A. C. Hilpert	----	----	2.65	239
3-11	*C. E. Schnurr	----	----	3.46	545
3-20	*G. E. Brees	----	----	5.89	3180
3-21	A. C. Hilpert	----	----	5.40	2220
4- 2	*Schnurr-Metz	----	----	3.81	787
4-25	A. C. Hilpert	----	----	5.74	2720
5- 1	E. S. Kimmel	----	----	8.00	12000
5-11	A. C. Hilpert	----	----	7.33	8440
5-12	*Metz-Cassell	----	----	7.25	7770
6- 4	*Cassell-Metz	----	----	4.90	2460
6- 4	A. C. Hilpert	----	----	5.08	2290
6-22	do	----	----	6.40	2740
7- 1	*W. R. Metz	----	----	5.29	2940
7-13	A. C. Hilpert	----	----	1.53	275
7-30	do	----	----	.91	65
8- 5	*F. D. Cassell	----	----	.80	61

*Colorado Hydrographers.

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	SOUTH PLATTE RIVER AT JULESBURG, COLORADO				
	CHANNELS NO. 1, 2 AND 3—Concluded				
8-18	A. C. Hilpert	—	—	0.63	41
8-26	*W. R. Metz	—	—	.58	33
9- 4	A. C. Hilpert	—	—	.75	48
9- 9	*F. D. Cassell	—	—	1.16	124
9-17	A. C. Hilpert	—	—	1.11	107

*Colorado Hydrographers.

	SOUTH PLATTE RIVER AT JULESBURG, COLORADO				
	CHANNEL NO. 4				
10-10	*G. E. Brees	5	1.09	0.41	6
10-29	do	6	1.29	.55	8
11-13	*C. E. Schnurr	14	2.11	1.15	29
11-28	*G. E. Brees	20	1.97	1.42	40
12-11	*C. E. Schnurr	15	2.02	1.16	30
12-30	*G. E. Brees	13	1.46	.80	19
1-13	*C. E. Schnurr	33	2.07	2.22	70
2- 5	do	29	2.03	1.92	59
2-11	J. P. Hansen	29	1.70	1.88	50
2-25	*G. E. Brees	30	1.92	1.69	58
2-28	A. C. Hilpert	22	2.21	1.78	50
3-11	*C. E. Schnurr	47	2.18	2.58	103
3-20	*G. E. Brees	635	1.25	4.12	511
3-21	A. C. Hilpert	166	1.84	3.82	305
4- 2	*Schnurr-Metz	65	1.86	2.74	121
4-25	A. C. Hilpert	26	1.78	4.00	472
5- 1	E. S. Kimmel	1740	2.55	5.87	2356
5-11	A. C. Hilpert	649	2.26	5.22	1520
5-12	*Cassell-Metz	743	1.78	5.19	1303
6- 4	do	175	1.89	3.84	330
6- 4	A. C. Hilpert	171	1.88	3.82	324
6-22	do	429	1.48	4.43	643
7- 1	*W. R. Metz	312	1.96	4.01	393
7-13	A. C. Hilpert	22	1.46	1.95	32
7-30	do	2	1.39	1.26	3
8- 5	*F. D. Cassell	4	1.13	1.20	4
8-18	A. C. Hilpert	1	.80	1.05	1
8-26	*W. R. Metz	—	—	1.04	1
9- 4	A. C. Hilpert	1	1.00	1.06	1
9- 9	*F. D. Cassell	12	1.32	1.38	16
9-17	A. C. Hilpert	7	1.73	1.41	13

*Colorado Hydrographers.

	SOUTH PLATTE RIVER AT PAXTON				
10- 4	J. P. Hansen	42	1.82	1.71	77
10-16	do	60	1.96	1.62	117
10-29	do	69	2.14	2.06	147

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		SOUTH PLATTE RIVER AT PAXTON—Concluded			
11- 5	J. P. Hansen	89	2.06	1.90	183
11-14	Melvin Kleen	102	2.11	2.40	215
11-24	do	117	2.22	2.59	260
12- 3	do	140	2.07	2.70	291
12-17	do	137	2.16	2.72	297
1- 5	do	52	2.12	—	110
1-31	Bauer-Hilpert	191	2.13	3.14	407
2-11	Melvin Kleen	176	2.18	3.06	385
2-24	do	132	1.18	3.45	156
3- 3	do	279	1.48	3.94	416
3-16	do	417	2.05	3.81	854
3-24	do	852	2.41	4.40	2050
4-10	E. S. Kimmel	438	2.43	3.37	895
4-16	do	372	1.85	2.98	689
4-25	do	865	2.52	4.41	2180
5- 2	do	3830	4.10	7.78	15700
5- 8	do	4070	4.09	7.66	16640
5-12	do	3211	3.31	6.54	10640
5-21	do	2500	3.22	5.44	8060
5-28	do	1261	2.42	3.42	3051
6- 4	do	1440	3.42	4.55	4380
6-11	do	1010	2.81	3.80	2850
6-18	do	1530	2.94	4.58	4490
6-25	do	2090	3.68	5.54	7690
7- 2	do	1710	3.20	4.62	5470
7-16	do	183	1.86	1.22	340
7-29	do	54	2.06	—	111
8- 5	do	40	1.83	—	73
8-12	do	53	1.85	—	98
8-19	do	28	1.97	—	55
8-26	do	24	1.71	—	42
9- 2	do	88	2.65	1.04	233
9-10	do	44	2.06	—	89
9-15	do	49	2.08	—	101
9-24	do	60	1.97	—	118
9-30	do	90	2.22	.98	200
		SOUTH PLATTE RIVER AT NORTH PLATTE			
10- 3	Melvin Kleen	72	1.88	0.20	137
10- 8	do	93	2.04	.30	191
10-16	do	87	2.07	.24	181
10-25	do	92	2.08	.25	193
10-31	do	103	2.18	.32	226
11- 8	do	109	2.17	.31	237
11-18	do	125	2.22	.46	280
11-26	do	135	2.39	.44	325
12- 6	do	141	2.32	.49	327
12- 8	Fred Hervert	140	2.36	.53	331
12-24	Melvin Kleen	146	2.41	—	343

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	SOUTH PLATTE RIVER AT NORTH PLATTE—Concluded				
1- 2	Melvin Kleen	47	1.45	.....	68
1-30	Bauer-Hilpert	224	2.45	.96	552
2-10	Melvin Kleen	202	2.42	.90	490
2-21	do	201	1.89	1.27	381
2-26	do	135	1.74	.65	234
3- 4	do	205	2.41	.77	497
3-10	do	227	2.50	.76	571
3-17	do	357	2.15	1.37	871
3-23	do	824	3.27	2.28	2696
4- 3	do	414	2.75	2.15	1140
4-14	do	259	2.47	1.54	639
4-24	do	452	2.63	2.38	1190
4-29	do	1810	3.40	4.61	6160
5- 1	do	3030	4.60	6.00	14000
5- 9	do	3070	4.07	5.36	12500
5-16	do	2400	3.48	4.48	8400
5-28	do	918	2.55	2.28	2340
6- 6	do	965	2.68	2.53	2590
6-15	do	944	2.76	2.54	2610
6-22	do	1440	3.19	3.49	4600
6-29	do	1620	3.15	3.64	5010
7- 8	do	690	2.25	1.86	1560
7-16	Kleen-Essex	237	2.08	.92	493
7-21	Kleen-Kimmel	165	1.84	.48	304
7-27	Melvin Kleen	156	1.74	.36	271
8- 1	do	104	1.68	.12	175
8- 5	do	93	1.65	.03	154
8-14	do	95	1.68	.02	161
8-19	do	87	1.49	-.06	129
8-28	do	74	1.45	-.12	108
9-10	do	113	1.79	.21	203
9-16	do	114	1.84	.25	210
9-23	do	108	1.78	.26	192
	PLATTE RIVER AT BRADY ISLAND				
	CHANNEL NO. 1				
10- 2	Melvin Kleen	31	1.13	1.34	35
10- 9	do	22	1.21	1.30	27
10-17	do	20	.85	1.25	17
10-28	do	27	.98	1.30	27
11- 5	do	34	.96	1.32	32
11-15	do	27	1.08	1.31	29
11-26	do	54	.92	1.49	50
12- 5	do	31	.96	1.32	29
12-16	do	52	.96	1.54	50
12-30	do	30	.86	1.56	25
1-17	do	44	1.17	1.70	51
2- 4	Bauer-Hilpert	67	1.22	1.44	82
2-20	Melvin Kleen	28	1.31	1.48	37

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		PLATTE RIVER AT BRADY ISLAND			
		CHANNEL NO. 1—Concluded			
2-26	Melvin Kleen	29	1.29	1.57	38
3- 5	do	76	1.48	1.63	114
3-17	do	69	1.36	1.45	94
3-22	do	932	2.94	3.55	2740
4- 2	do	121	1.00	1.52	121
4-15	do	41	1.09	1.24	45
4-20	do	1410	2.64	4.06	3720
4-28	do	1060	2.45	3.66	2600
5- 7	do	3560	3.96	6.26	14100
5-20	do	2140	3.24	4.78	6930
5-27	do	1030	1.98	2.60	2040
6- 5	do	865	1.83	2.19	1580
6-18	do	876	2.09	2.34	1830
6-23	do	1750	3.23	4.34	5650
7- 2	do	1530	2.99	3.96	4560
7-13	do	816	2.06	2.37	1680
7-17	do	87	1.40	1.14	12
7-20	do	44	1.49	.58	65
7-27	do	756	1.92	2.20	1440
7-31	do	618	1.63	1.80	1010
8- 6	do	625	1.88	1.95	1180
8-13	do	344	1.83	1.65	630
8-15	do	496	2.08	2.02	1030
8-21	do	85	1.26	.84	107
8-27	do	41	1.20	.55	49
9-11	do	77	1.22	.76	94
9-19	do	57	1.16	.56	66
9-25	do	54	1.80	.60	97
		PLATTE RIVER AT BRADY ISLAND			
		CHANNEL NO. 2			
10-17	Melvin Kleen	—	—	—	0
10-28	do	—	—	—	0
12- 5	do	—	—	—	0
1-17	do	—	—	—	0
2-26	do	—	—	—	0
3-22	do	—	—	—	0
4- 2	do	—	—	—	0
4-20	do	—	—	—	1
4-28	do	—	—	—	0.2
5- 7	do	68.4	1.23	—	84
5-20	do	—	—	—	1
5-27	do	—	—	—	0
6-23	do	9.8	.46	1.38	4
7-17	do	—	—	—	0
8- 6	do	—	—	—	0
8-21	do	—	—	—	0
9-11	do	—	—	—	0
9-25	do	—	—	—	0

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		PLATTE RIVER AT BRADY ISLAND			
		CHANNEL NO. 3			
10-17	Melvin Kleen	----	----	0.77	0.2
10-28	do	----	----	.81	.3
12- 5	do	----	----	.82	.3
1-17	do	1.5	0.4	1.03	.6
2-26	do	1.5	.5	1.07	.8
3-22	do	23.4	.3	1.33	6.3
4- 2	do	----	----	1.02	.6
4-20	do	54.5	1.1	1.91	60.7
4-28	do	29.5	.4	1.51	12.7
5- 7	do	75.8	1.89	2.34	143.0
5-20	do	30.4	.66	1.45	20.0
5-27	do	----	----	.75	.1
6- 5	do	----	----	----	.0
6-23	do	22.4	.33	1.38	7.5
7- 2	do	----	----	.96	.3
7-17	do	----	----	----	.0
8- 6	do	----	----	----	.0
8-21	do	----	----	----	.0
9-11	do	----	----	----	0
9-25	do	----	----	----	.1
		PLATTE RIVER AT BRADY ISLAND			
		CHANNEL NO. 4			
10- 2	Melvin Kleen	26	1.49	0.79	38
10- 9	do	22	1.43	.71	32
10-17	do	19	1.39	.66	26
10-28	do	25	1.40	.80	35
11- 5	do	26	1.58	.88	42
11-15	do	23	1.64	.84	38
11-26	do	23	1.68	.84	39
12- 5	do	24	1.07	.83	42
12-16	do	27	1.58	.91	43
12-30	do	58	.91	1.38	53
1-17	do	37	1.75	1.30	65
2- 4	Bauer-Hilpert	38	1.60	.98	62
2-20	Melvin Kleen	32	1.39	1.18	45
2-26	do	64	.64	1.65	41
3- 5	do	39	1.82	1.06	71
3-17	do	35	1.82	.97	63
3-22	do	100	1.51	1.48	151
4- 2	do	38	1.74	1.00	66
4-15	do	27	1.49	.86	40
4-20	do	135	1.87	1.76	252
4-28	do	78	1.86	1.44	146
5- 7	do	196	2.41	2.08	472
5-20	do	107	1.91	1.52	205
5-27	do	38	1.69	.99	64
6- 5	do	27	1.71	.79	46

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		PLATTE RIVER AT BRADY ISLAND			
		CHANNEL NO. 4—Concluded			
6-18	Melvin Kleen	24	1.62	0.75	39
6-23	do	90	2.09	1.53	189
7- 2	do	63	1.80	1.15	115
7-13	do	18	1.61	.61	29
7-17	do	13	1.39	.49	18
7-31	do	15	1.48	.53	23
8- 6	do	13	1.29	.49	16
8-13	do	23	1.61	.66	37
8-21	do	19	1.31	.57	25
8-27	do	15	1.35	.56	21
9-11	do	36	1.91	.80	68
9-19	do	31	1.75	.71	54
9-25	do	35	1.90	.85	66
		PLATTE RIVER AT BRADY ISLAND			
		BRADY ISLAND SLOUGH—CHANNEL NO. 5			
5-20	Melvin Kleen	22	1.18	1.38	26
5-27	do	4	1.09	.82	4
6- 5	do	----	----	.65	2
6-18	do	2	.87	.58	1
6-23	do	22	1.24	1.53	27
7-13	do	2	.93	.56	2
7-31	do	----	----	----	0.3
8- 6	do	----	----	----	0.3
8-13	do	2	.71	.47	1
8-21	do	1	.45	.40	0.7
9-11	do	3	1.09	.55	4
9-19	do	1	1.03	.47	1
9-25	do	2	.97	.50	2
		PLATTE RIVER AT COZAD			
		NORTH CHANNEL			
10- 7	Melvin Kleen	55	1.66	1.57	92
10-14	do	56	1.67	1.61	94
10-23	do	51	1.59	1.56	82
11- 4	do	108	1.94	1.98	209
11-13	do	105	1.70	1.92	178
11-21	do	119	1.87	2.05	223
12- 2	do	79	1.78	1.93	142
12-13	do	56	1.04	1.78	79
1-14	do	123	1.37	2.81	169
2- 5	Bauer-Hilpert	73	2.04	1.78	150
2-20	Melvin Kleen	80	1.17	2.04	93
2-28	do	34	1.36	2.08	46
3- 6	do	142	1.89	2.23	269
3-20	do	66	1.71	1.80	125
3-23	do	410	2.21	3.32	907

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		PLATTE RIVER AT COZAD			
		NORTH CHANNEL—Concluded			
4- 7	Melvin Kleen	39	1.27	1.26	50
4-17	do	23	1.19	1.06	28
4-21	do	433	2.05	3.14	886
5- 4	do	1170	2.59	4.53	3030
5-14	do	852	2.08	3.66	1780
5-23	do	534	2.00	2.94	1070
6- 4	do	48	1.70	1.22	82
6-17	do	222	2.06	2.30	457
6-30	do	618	2.25	3.34	1390
7-10	do	96	2.13	1.59	206
7-17	do	11	1.11	1.00	12
7-24	do	6	1.29	.93	8
7-28	do	78	1.87	1.50	145
8- 4	do	62	1.70	1.44	105
8-12	do	18	.82	.90	15
8-25	do	10	1.37	.94	14
8-28	do	10	1.44	.92	14
9- 9	do	27	1.17	1.02	32
9-17	do	4	1.25	.63	6
9-24	do	2	.79	.50	2
		PLATTE RIVER AT COZAD			
		SOUTH CHANNEL			
10- 7	Melvin Kleen	4	1.04	1.25	5
10-14	do	4	.86	1.23	3
10-23	do	5	.88	1.23	4
11- 4	do	6	.91	1.29	5
11-13	do	4	.89	1.36	4
11-21	do	5	.91	1.28	5
12- 2	do	22	1.19	1.59	26
12-16	do	71	1.26	1.82	90
1-14	do	84	1.42	2.52	120
2- 5	Bauer-Hilpert	43	1.38	1.71	59
2-20	Melvin Kleen	46	.83	1.92	38
2-28	do	48	1.08	2.18	52
3- 6	do	86	1.40	1.82	122
3-20	do	43	1.42	1.75	65
3-23	do	850	2.07	2.98	1760
4- 7	do	121	1.21	1.58	147
4-17	do	49	1.68	1.42	82
4-21	do	939	2.26	2.90	2120
5- 4	do	2720	3.66	4.62	9960
5-14	do	2190	3.17	3.74	6950
5-23	do	1360	2.56	2.92	3490
6- 4	do	152	1.63	.63	248
6-17	do	694	2.12	1.92	1470
6-30	do	1520	3.04	3.32	4610
7-10	do	524	2.12	1.73	1110

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		PLATTE RIVER AT COZAD			
		SOUTH CHANNEL—Concluded			
7-17	Melvin Kleen	146	1.90	1.15	287
7-24	do	13	.88	.78	11
7-28	do	12	.97	.71	12
8- 4	do	14	.98	.70	13
8-12	do	6	1.42	.65	9
8-25	do	6	1.24	.64	8
8-28	do	5	1.10	.61	6
9- 9	do	156	1.80	1.23	280
9-17	do	74	1.46	1.08	109
9-24	do	44	1.50	.93	71
		PLATTE RIVER AT OVERTON			
10- 4	Melvin Kleen	64	1.26	2.37	81
10-13	do	32	1.24	2.27	40
10-21	do	52	1.39	2.34	71
10-27	do	59	1.35	2.38	80
11- 3	do	133	1.44	2.57	192
11-12	do	126	1.38	2.64	187
11-20	do	107	1.30	2.56	139
12- 1	do	123	1.37	2.62	168
12-12	do	86	.68	2.54	59
1-13	do	140	1.56	2.98	211
2- 5	Bauer-Hilpert	103	2.57	2.66	268
2-13	Melvin Kleen	374	1.37	2.89	514
2-27	do	97	.86	2.61	84
3- 9	do	243	1.53	2.78	373
3-18	do	347	1.51	2.81	524
4- 1	do	567	1.98	2.87	1129
4- 9	do	288	1.85	2.40	531
4-21	do	1860	2.36	4.06	4390
5- 5	do	4050	3.26	4.99	13200
5-18	do	3050	2.76	3.83	8410
5-25	do	1980	2.55	3.13	5060
6- 1	do	1250	1.79	2.24	2240
6-11	do	1010	2.15	2.38	2160
6-24	do	3290	3.04	4.52	10000
7- 3	do	2280	2.58	3.52	5900
7-14	do	895	1.83	2.14	1640
7-23	do	44	1.32	.73	58
7-30	do	46	1.36	.62	63
8- 7	do	60	1.78	1.98	107
8-17	do	123	1.71	2.12	210
8-22	do	68	1.29	1.74	87
9- 1	do	112	1.56	2.03	175
9- 9	do	393	1.86	1.73	733
9-15	do	438	1.85	1.82	810
9-22	do	311	1.88	1.60	584
9-29	do	330	1.81	1.72	597

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		PLATTE RIVER AT ODESSA			
10- 4	Melvin Kleen	----	----	0.13	0
10-13	do	----	----	-.34	0
10-21	do	----	----	-.33	0
10-23	do	----	----	-.33	0
10-27	do	59	1.52	1.00	90
11- 3	do	98	1.50	1.12	147
11-12	do	127	1.46	1.26	186
11-20	do	172	1.42	1.35	244
12- 1	do	106	1.51	1.22	160
12-12	do	66	.74	1.10	49
1-13	do	5	.89	.95	4
2- 5	Bauer-Hilpert	224	1.38	1.34	310
2-14	Melvin Kleen	424	1.36	1.58	577
3-27	do	75	.95	1.58	72
3- 9	do	179	1.62	1.34	291
3-18	do	195	1.55	1.31	303
4- 1	do	696	1.94	1.62	1350
4- 9	do	118	1.35	.76	159
4-22	do	1440	1.88	2.28	3150
5- 6	do	3580	3.38	3.35	12100
5-19	do	2480	2.90	2.38	7190
5-26	do	1730	2.41	1.89	4180
6- 3	do	1460	2.07	1.50	3020
6-11	do	837	1.79	1.12	1500
6-25	do	3430	3.33	3.33	11400
7- 3	do	1790	2.56	2.04	4580
7-14	do	547	1.96	.94	1070
7-23	do	15	.79	- .03	12
7-30	do	11	.83	- .06	9
8- 7	do	4	.78	- .09	3
8-18	do	10	.90	- .06	9
8-24	do	2	.70	- .13	1
9- 1	do	1	----	- .12	0.5
9- 8	do	604	1.90	.84	1150
9-15	do	509	1.99	1.03	1010
9-21	do	131	1.24	.41	163
9-28	do	78	1.56	.43	122
		PLATTE RIVER AT GRAND ISLAND			
10- 2	C. H. Carstens	----	----	0	0
10-28	Bolon-Ferrin	----	----	----	0
1-24	C. V. Burns	175	1.41	2.53	246
2- 6	A. J. Ferrin	358	1.43	2.68	512
3-22	Hanks-Olson	206	1.95	2.70	404
3-28	C. V. Burns	1140	2.07	3.10	2370
3-29	do	1040	2.12	3.10	2210
4- 6	D. E. Olson	384	1.31	2.66	526
4-15	do	219	1.04	2.34	230
4-23	D. D. Lewis	1210	2.14	3.11	2590

MEASUREMENTS OF PLATTE RIVERS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
	PLATTE RIVER AT GRAND ISLAND—Concluded				
4-25	Burns-Olson	963	1.93	3.16	1860
5- 6	do	3620	3.76	4.79	13600
5- 8	C. V. Burns	3200	3.78	4.36	12100
5- 9	do	2996	3.69	4.39	11100
5-10	do	3590	3.83	4.70	13700
5-12	L. F. Hanks	3720	3.65	4.77	13600
5-16	C. V. Burns	2780	3.16	4.04	8780
5-20	C. H. Carstens	2510	3.26	3.86	8200
5-26	D. E. Olson	1760	2.82	3.23	4950
6- 5	C. H. Carstens	957	2.13	2.88	2040
6-19	D. E. Olson	1310	2.50	3.09	3280
6-26	C. V. Burns	3420	3.35	4.56	11700
7-10	D. E. Olson	794	2.28	2.46	1810
7-17	C. V. Burns	486	1.90	2.30	925
7-30	D. E. Olson	21	1.07	1.35	23
8- 7	C. V. Burns	35	1.38	1.19	48
8-19	D. E. Olson	43	1.35	1.36	58
8-28	C. V. Burns	132	.88	1.92	115
9- 8	do	1330	2.06	2.90	2740
9-22	do	234	1.63	2.22	381
	PLATTE RIVER AT DUNCAN				
10-14	A. J. Ferrin	—	—	0.93	2
10-31	do	4	0.84	.93	3
11-25	do	20	.97	1.19	20
12- 9	Ferrin-Burns	9	.90	1.09	8
12-22	C. V. Burns	37	.82	1.05	30
1- 9	Bolon-Burns	—	—	1.66	1
1-20	C. V. Burns	42	1.08	1.78	46
2- 2	A. J. Ferrin	105	.87	—	92
2-24	do	59	.58	2.28	34
3-17	Hanks-Olson	335	1.24	1.87	414
3-28	C. V. Burns	1350	2.20	2.86	2950
3-29	do	1320	2.13	2.78	2860
3-30	D. E. Olson	1430	1.86	2.67	2800
4-20	C. V. Burns	933	1.50	1.28	140
4-23	D. D. Lewis	204	1.04	1.67	286
5- 6	Burns-Olson	3950	3.79	4.71	15100
5- 7	C. V. Burns	3770	3.56	4.46	13400
5- 8	do	3410	3.48	4.16	11900
5- 9	do	3370	3.34	4.06	11400
5-11	do	3950	3.83	4.66	15100
5-19	C. H. Carstens	2550	3.53	3.53	8510
6- 2	do	1020	2.70	2.34	2750
6-22	C. V. Burns	2020	2.67	3.26	5410
7-13	do	575	2.19	1.58	1260
8- 3	do	43	1.42	.45	61
8-24	do	4	.61	.24	3
9-11	do	754	2.36	1.94	1780

MEASUREMENTS OF PLATTE RIVERS—Concluded
Year Ending September 30, 1942

Date	Hydrographer	Area	Velocity	Gage	Sec.-ft.
		PLATTE RIVER AT ASHLAND			
10- 1	L. F. Hanks	1790	2.11	2.26	3780
10- 7	Ferrin-Bolon	1890	2.24	2.33	4240
10-13	A. J. Ferrin	1130	1.88	1.55	2130
10-21	do	821	1.96	1.36	1610
10-27	do	1390	2.18	1.84	3010
11- 4	do	1370	2.16	1.83	2960
11-10	do	1200	2.21	1.84	2670
11-17	do	1280	1.86	1.83	2380
11-24	do	1040	1.92	1.58	2000
12- 1	Hanks-Burns	1510	2.15	2.16	3240
12- 8	Burns-Ferrin	1320	2.22	2.09	2940
12-15	C. V. Burns	915	1.73	1.72	1580
12-24	do	1580	2.06	2.08	3260
1- 6	Burns-Ferrin	436	.97	.....	421
1-14	do	601	1.66	2.57	999
1-20	A. J. Ferrin	1600	1.50	.....	2410
1-28	Bolon and others	2420	2.22	2.75	5380
2- 3	C. V. Burns	1490	2.25	2.12	3350
2-14	A. J. Ferrin	1370	2.36	2.11	3240
2-25	C. V. Burns	1180	1.07	2.98	1260
3- 9	Lewis-Burns	3020	2.98	3.24	9000
3-21	C. V. Burns	1850	2.37	2.22	4410
3-28	Harry Bolon	3030	3.11	3.08	9420
4- 1	C. V. Burns	2280	2.59	2.76	5910
4-10	do	1800	2.41	2.10	4360
4-22	D. D. Lewis	1570	2.13	2.05	3340
5- 1	C. V. Burns	1930	2.26	2.38	4350
5- 8	Hanks-Carstens	4750	3.07	3.86	14600
5-10	Lewis-Hanks	4520	3.56	4.31	16100
5-12	C. H. Carstens	4800	3.60	4.62	17300
5-15	do	4860	3.27	4.50	15900
5-21	C. V. Burns	4170	3.12	4.24	13000
6- 1	Burns-Carstens	2240	2.51	2.56	5650
6-11	C. V. Burns	2110	2.13	2.34	4490
7- 1	do	5320	3.18	4.36	16900
7-10	do	2100	2.20	2.34	4610
7-21	do	1340	2.11	1.58	2830
7-31	do	667	1.98	1.08	1330
8-11	do	1120	1.96	1.56	2200
8-21	do	1290	1.82	1.60	2350
8-31	do	1240	2.05	1.58	2530
9- 6	Hanks-Stuck-Burns	3330	2.69	3.40	9000
9-16	C. V. Burns	1830	2.28	1.98	4180
9-21	Burns-Stuck	1720	2.07	1.89	3580

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		APPLEGATE DRAIN			
		Sec. 31-13-33 W.			
12-10	Fred Hervert	29.1	5-16	Ivan W. Bauer	54.2
1-24	do	36.9	6-10	do	51.7
2- 7	do	39.7	6-25	do	37.2
3- 8	do	47.5	7- 9	Bauer-Kleen	36.8
3-31	Hervert-Bauer	49.0	8- 6	Ivan W. Bauer	30.5
4- 9	Ivan W. Bauer	43.7	9-19	Melvin Kleen	29.1
4-16	do	47.0	9-25	do	35.1
5- 7	do	47.8			
		ARIKAREE RIVER			
		Haigler—Sec. 28-1-41 W.			
10- 2	L. J. Glasier	121.0	5- 7	K. S. Essex	16.1
11- 4	do	11.5	5-27	L. J. Glasier	37.7
11-15	K. S. Essex	3.2	5-27	do	262.0
12- 7	L. J. Glasier	6.9	6- 5	K. S. Essex	973.0
12-20	K. S. Essex	2.0	6-27	L. J. Glasier	59.0
1- 3	L. J. Glasier	1.0	7-17	Ender-Hanks	30.8
2- 3	do	18.0	7-24	D. B. Ender	6.1
2-12	K. S. Essex	14.2	8- 1	do	155.0
3- 3	L. J. Glasier	22.8	8-22	do	37.3
3-13	K. S. Essex	3.8	9-12	do	12.2
4- 2	L. J. Glasier	47.2	9-18	do	9.5
4- 9	K. S. Essex	9.9	9-25	do	33.0
4-29	L. J. Glasier	52.1			
		ASH CREEK			
		Whitney—Sec. 7-32-50 W.			
12- 2	K. S. Essex	0.2	4-22	K. S. Essex	3.3
3- 1	do	1.0	5-27	do	.1
		ASH CREEK, EAST			
		Above Barron Canal—Sec. 32-32-50 W.			
3- 1	K. S. Essex	2.2			
		AUGER CREEK			
		Elba—Sec. 4-15-11 W.			
4-16	C. H. Carstens	0.2	7- 8	C. H. Carstens	0.1
5-12	do	.1	8-13	do	.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BALD DRAIN			
		Sec. 32-23-56 W.			
10-15	H. P. Eisenhuth	2.2	3- 4	C. H. Carstens	1.1
1-10	C. H. Carstens	1.0	3-19	do	.9
1-23	do	1.2	4-16	Fred Hervert	.2
2- 6	do	1.2	6- 6	do	2.5
2-18	do	1.2	9-10	Ivan W. Bauer	6.4
		BATTLE CREEK			
		Battle Creek—East Line of Sec. 36-24-3 W.			
4-28	C. H. Carstens	10.8	5-22	C. H. Carstens	12.4
		BAYARD SUGAR FACTORY DRAIN			
		West Line of Sec. 4-20-52 W.			
10- 1	H. P. Eisenhuth	57.0	4-29	Fred Hervert	22.2
10-14	do	32.6	5- 8	do	.6
11- 6	C. H. Carstens	31.4	5-20	do	.8
11-22	do	29.8	6-11	do	77.0
12- 4	do	25.7	6-26	K. S. Essex	5.2
1- 6	do	21.6	7-11	do	8.5
1-21	do	24.1	7-28	do	5.6
2- 3	do	23.4	8- 9	Ivan W. Bauer	14.6
2-17	do	24.5	9- 3	do	34.2
3- 3	do	24.3	9-16	do	36.0
3-17	do	23.3	9-24	do	39.9
4- 4	Fred Hervert	23.4	9-30	do	41.9
4-15	do	22.3			
		BAZILLE CREEK			
		Niobrara—Sec. 18-32-5 W.			
9-25	C. H. Carstens	24.7			
		BEAR CREEK			
		North of Merriman on Highway No. 61—Sec. 8-34-37 W.			
1-29	K. S. Essex	2.6			
		BEAR CREEK			
		Over Dam, A-3321—NW¼ of Sec. 16-34-37 W.			
1-29	K. S. Essex	2.7			
		BEAR CREEK			
		To Cottonwood Lake—South Line of Sec. 16-34-37 W.			
9-11	K. S. Essex	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BEAR CREEK			
		SE¼ NE¼ of Sec. 16-34-37 W.			
1-27	K. S. Essex	1.9	3-28	K. S. Essex	6.7
1-29	do	2.7	9-11	do	.4
2-26	do	2.1			
		BEAR CREEK			
		NW¼ of Sec. 15-34-37 W.			
9-11	K. S. Essex	0.0			
		BEAR CREEK			
		NW¼ NE¼ of Sec. 15-34-37 W.			
9-11	K. S. Essex	0.0			
		BEAR CREEK			
		Headgate, A-2254—Sec. 14-34-37 W.			
9-11	K. S. Essex	0.1			
		BEAR CREEK			
		Eli—Sec. 25-34-36 W.			
10-30	K. S. Essex	1.0	4-25	K. S. Essex	21.5
12-26	do	2.7	5-22	do	5.2
3-28	do	4.7	9- 9	do	1.4
		BEAVER CREEK			
		Beaver City—Sec. 23-2-23 W.			
10- 5	L. J. Glasier	13.9	6-26	L. J. Glasier	136.0
11- 5	do	.1	7-21	D. B. Ender	80.0
12- 6	do	.9	7-29	do	206.9
1- 4	do	.7	8-19	do	15.6
2- 4	do	13.0	9- 2	do	341.0
3- 4	do	2.9	9- 8	do	42.8
4- 4	do	4.9	9-15	do	21.5
5- 1	do	16.6	9-22	do	3.7
5-29	do	12.8	9-30	do	69.8
		BEAVER CREEK			
		Albion—Sec. 15-20-6 W.			
10-24	C. H. Carstens	32.8	6-24	C. H. Carstens	73.5
4-28	do	66.6	7-21	do	30.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BEAVER CREEK			
		Genoa—Sec. 14-17-4 W.			
10-15	C. H. Carstens	48.6	4-23	L. J. Glasier	207.0
10-29	L. J. Glasier	32.0	5-22	Glasier-Follansbee	354.0
11-25	do	50.0	7-21	C. H. Carstens	48.0
12-20	do	62.0	7-25	W. L. Phillips	43.3
1-23	do	67.0	8-26	A. J. Ferrin	37.5
2-20	do	51.0	9- 9	do	159.0
3-20	do	115.0	9-22	do	50.5
		BIRDWOOD CREEK			
		Hershey—Sec. 2-14-33 W.			
10- 3	Fred Hervert	133.0	5-16	Ivan W. Bauer	447.0
10-10	do	133.0	5-27	do	175.0
10-25	do	153.0	6-10	do	155.0
11- 1	do	146.0	6-17	do	118.0
12- 4	do	162.0	6-25	do	92.0
12-21	do	198.0	7- 9	do	141.0
1- 4	do	165.0	7-19	do	115.0
1-16	do	166.0	7-26	Melvin Kleen	122 0
2- 4	do	163.0	8- 6	do	110.0
2-23	do	158.0	8-14	do	93.0
3- 5	do	170.0	8-19	do	106.0
3-19	do	156.0	8-21	do	133.0
3-30	Ivan W. Bauer	164.0	8-27	Bauer-Hansen	89.5
4- 9	do	154.0	9- 6	J. P. Hansen	107.0
4-16	do	157.0	9-12	do	126.0
4-30	do	175.0	9-19	do	106.0
5- 7	do	145.0	9-23	do	166.0
		BLUE CREEK			
		Lewellen—Sec. 30-16-42 W.			
10- 1	Fred Hervert	34.7	5-15	Fred Hervert	2.3
10- 9	do	.6	5-24	do	15.2
11- 7	do	.6	6- 3	do	90.0
12- 2	do	97.0	7-16	K. S. Essex	76.0
1- 3	do	93.0	7-28	Ivan W. Bauer	3.6
1-15	do	104.0	8- 5	do	11.0
2- 3	do	100.0	8-11	do	26.9
2-17	do	89.0	8-20	do	25.3
3- 4	do	98.0	8-26	Bauer-Hansen	21.9
3-18	do	90.0	9- 3	J. P. Hansen	11.8
4- 1	Ivan W. Bauer	94.0	9-10	do	11.5
4-22	Fred Hervert	97.0	9-17	do	15.1
5- 7	do	36.5	9-26	do	58.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BLUE RIVER, BIG			
		Seward—Sec. 21-11-3 E.			
4-24	C. H. Carstens	54.8			
		BLUE RIVER, BIG			
		Barnston—Sec. 13-1-7 E.			
10-15	L. J. Glasier	9.0	6-11	Glasier-Carstens	8290.0
11-13	do	6.8	6-13	C. H. Carstens	2640.0
12-18	do	203.0	6-17	Glasier-Bailey	932.0
1-17	do	202.0	6-28	L. R. Sawyer	327.0
2-18	do	928.0	7-30	L. F. Hanks	184.0
3-17	Glasier-Bauer	1220.0	8-22	A. J. Ferrin	235.0
4-18	L. J. Glasier	258.0	8-29	Hanks-Bolon	194.0
5-15	do	197.0	9-15	L. F. Hanks	9700.0
6- 1	do	2990.0	9-16	do	22200.0
6- 9	do	48500.0	9-18	do	1570.0
6-10	do	27400.0	9-18	do	1370.0
6-10	C. H. Carstens	21300.0	9-30	A. J. Ferrin	185.0
6-11	Glasier-Carstens	12600.0			
		BLUE RIVER, LITTLE			
		Endicott—Sec. 5-1-3 E.			
10-14	L. J. Glasier	82.4	6-12	C. H. Carstens	4130.0
11-13	do	85.3	6-12	do	4250.0
12-18	do	103.0	6-13	do	2450.0
1-17	do	133.0	6-17	Glasier-Bailey	492.0
2-18	do	143.0	7-30	L. F. Hanks	287.0
3-17	do	459.0	8-22	A. Ferrin	95.8
4-18	do	174.0	9- 2	do	115.0
5-15	do	199.0	9-15	do	5740.0
6-10	do	20200.0	9-30	do	251.0
6-10	do	16600.0			
		BOGGY CREEK			
		Below Wickersham Diversion Dam—Sec. 31-33-54 W.			
11- 4	Essex-Rasmussen	0.1	9-17	K. S. Essex	0.1
5-24	do	.1			
		BOGUS CREEK			
		St. Edward—Sec. 11-18-5 W.			
7-21	C. H. Carstens	1.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BORDEAUX CREEK, BIG			
		Chadron—Sec. 14-33-48 W.			
11- 1	K. S. Essex	1.4	3-1	K. S. Essex	3.8
12- 2	do	4.6	4-21	do	3.0
12-29	do	3.6	5-25	do	2.0
2- 1	do	3.9	9-13	do	2.3
		BORDEAUX CREEK, BIG			
		Below Thomas Canal—Sec. 34-34-48 W.			
11- 1	K. S. Essex	2.3	3- 1	K. S. Essex	7.1
12- 2	do	7.5	5-25	do	4.7
12-29	do	6.5	9-13	do	3.8
		BORDEAUX CREEK, LITTLE			
		Below Hartzell Canal—Sec. 13-33-48 W.			
11- 1	K. S. Essex	1.0	3- 1	K. S. Essex	2.7
12- 2	do	1.4	4-21	do	3.6
12-29	do	2.5	5-25	do	1.9
2- 1	do	2.5	9-13	do	1.2
		BOW CREEK			
		Wynot—Sec. 11-32-2 E.			
9-25	C. H. Carstens	9.6			
		BOW VALLEY CREEK			
		Wynot—South Line of Sec. 16-32-2 E.			
9-25	C. H. Carstens	0.6			
		BROWN CREEK			
		Loup City—East Line of Sec. 25-15-15 W.			
5-13	C. H. Carstens	0.1			
		BUFFALO CREEK			
		Haigler—Sec. 20-1-40 W.			
10-14	K. S. Essex	7.8	5- 7	K. S. Essex	9.0
11-15	do	13.1	5-27	L. J. Glasier	13.4
11-19	do	8.9	6- 5	K. S. Essex	8.6
12-19	do	8.6	6-28	L. J. Glasier	6.9
1- 3	L. J. Glasier	10.0	7-19	D. B. Ender	5.5
2- 3	do	11.1	7-24	do	5.4
2-12	K. S. Essex	9.2	7-31	do	7.3
3- 3	L. J. Glasier	11.1	8-22	do	5.8
3-13	K. S. Essex	11.1	9-12	do	6.9
4- 3	L. J. Glasier	10.3	9-19	do	5.1
4- 9	K. S. Essex	10.0	9-26	do	9.6
4-29	L. J. Glasier	12.7			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BUFFALO CREEK			
		Elm Creek—Sec. 33-9-18 W.			
10- 5	Fred Hervert	0.0	6-11	Ivan W. Bauer	53.2
10-12	do	7.8	6-20	do	10.3
10-23	do	.1	6-30	do	13.5
10-30	do	1.1	7-14	Bauer-Kleen	21.3
11-19	do	.0	7-21	do	38.1
12- 7	do	1.9	8- 4	Melvin Kleen	4.3
1- 8	do	.3	8-23	do	.2
2- 6	do	1.7	8-30	do	21.2
3- 7	do	.7	9- 4	do	21.1
3-21	do	1.8	9- 5	do	41.5
4-10	Ivan W. Bauer	1.2	9-11	do	40.5
5-14	do	5.6	9-20	do	10.0
5-21	do	41.8	9-27	do	135.1
6- 5	do	59.3			
		BUFFALO CREEK			
		Meadow Grove—North Line of Sec. 26-24-4 W.			
10-23	C. H. Carstens	3.4	5-22	C. H. Carstens	3.1
4-28	do	3.3			
		BULL DRAIN			
		Maxwell—Sec. 19-13-28 W.			
10- 4	Fred Hervert	1.0	8-19	Melvin Kleen	0.1
1- 5	do	.7	9- 2	do	.1
2- 7	do	2.0	9-12	do	.4
3-20	do	2.5			
		BURTON CREEK			
		Sec. 17-34-19 W.			
3-29	K. S. Essex	5.8			
		BUTTERFLY CREEK			
		Stanton—North Line of Sec. 5-22-2 E.			
4-26	C. H. Carstens	0.0			
		CACHE CREEK			
		Ewing—Sec. 13-26-9 W.			
4-28	C. H. Carstens	15.6	7-22	C. H. Carstens	4.2
5-22	do	6.6			
		CALAMUS RIVER			
		Harrop—Sec. 22-23-18 W.			
10-11	C. H. Carstens	170.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		CALAMUS RIVER			
		Burwell—East Line of Sec. 8-21-16 W.			
10-11	C. H. Carstens	234.0	6-19	C. H. Carstens	227.0
10-30	L. J. Glasier	246.0	7- 9	do	212.0
11-26	do	256.0	7-24	do	204.0
12-20	M. S. Dodd	291.0	8- 4	do	205.0
2-15	do	252.0	8-14	do	203.0
2-25	do	238.0	8-26	Carstens-Hanks	211.0
3-13	do	267.0	9-10	A. Ferrin	245.0
4-11	C. H. Carstens	257.0	9-18	C. H. Carstens	238.0
5- 1	do	248.0	9-23	A. Ferrin	273.0
5-12	do	243.0	9-30	Carstens-Hervert-Ball	290.0
6- 4	do	244.0			
		CASTLE ROCK SEEP			
		Melbeta—Sec. 20-21-53 W.			
1-10	C. H. Carstens	0.3	5- 3	Fred Hervert	0.4
1-23	do	.4	7-30	K. S. Essex	1.8
2- 6	do	.5	8-28	Ivan W. Bauer	.9
2-19	do	.4	9-24	do	.9
3- 6	do	.4			
		CEDAR CREEK			
		Below Valdez Canal—Sec. 10-32-56 W.			
11- 4	K. S. Essex	0.1			
		CEDAR CREEK			
		Sec. 11-18-48 W.			
10- 8	Fred Hervert	9.6	7-10	K. S. Essex	2.1
1- 2	do	12.0	7-28	Ivan W. Bauer	2.2
2- 1	do	10.4	8-25	Bauer-Hansen	13.4
3-17	do	11.7	9- 2	J. P. Hansen	12.4
5- 7	do	11.3	9- 9	do	4.3
5-23	do	6.4	9-15	do	1.6
6- 3	do	2.5	9-27	do	10.7
6-27	K. S. Essex	2.1	9-30	do	14.6
		CEDAR CREEK			
		Oakdale—South Line of Sec. 15-24-6 W.			
10-22	C. H. Carstens	16.7	4-28	C. H. Carstens	19.3
		CEDAR BRANCH CREEK			
		Nevins—Sec. 17-14-35 W.			
4-23	Ivan W. Bauer	1.8	7-29	Ivan W. Bauer	1.7
5- 8	do	2.0	8-19	do	2.1
6-16	do	1.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		CEDAR RIVER			
		Ericson—South Line of Sec. 15-21-12 W.			
10-23	C. H. Carstens	71.1	8-14	C. H. Carstens	53.1
4-16	do	75.2	9-25	do	79.6
7-22	do	58.7			
		CEDAR RIVER			
		Below Spalding Mill Dam—Sec. 28-20-9 W.			
10-23	C. H. Carstens	2.4	4-16	C. H. Carstens	48.0
		CEDAR RIVER			
		Below Van Ackeren Power Plant at Cedar Rapids—Sec. 5-18-7 W.			
10-24	C. H. Carstens	162.2	4-16	C. H. Carstens	190.0
		CEDAR RIVER			
		Fullerton—Sec. 33-17-6 W.			
10-15	C. H. Carstens	134.0	4-23	L. J. Glasier	247.0
10-29	L. J. Glasier	276.0	5-22	Glasier-Follansbee	238.0
11-25	do	233.0	6-24	C. H. Carstens	337.0
12-20	do	185.0	7-21	do	149.0
1-22	do	178.0	8-26	A. Ferrin	108.0
2-20	do	78.0	9-10	do	125.0
3-20	do	229.0	9-23	do	135.0
		CHADRON CREEK			
		Station 36 of Pipe Line—Sec. 12-32-49 W.			
11- 2	K. S. Essex	0.2	3-25	K. S. Essex	0.6
11-29	do	.6	4-21	do	1.3
12-29	do	.3	5-25	do	.0
2- 1	do	1.0	8-29	do	.0
2-25	do	1.0	9-16	do	.0
		CHADRON CREEK			
		One-half Mile above City Reservoir—Sec. 19-32-48 W.			
11- 2	K. S. Essex	1.3	3-25	K. S. Essex	2.3
11-29	do	3.2	4-21	do	1.8
12-29	do	2.6	5-25	do	.9
2- 1	do	1.7	8-29	do	2.2
2-25	do	1.5	9-16	do	1.8
		CHADRON CREEK			
		500 Feet below City Reservoir—Sec. 18-32-48 W.			
11- 2	K. S. Essex	0.1	3-25	K. S. Essex	0.2
11-29	do	.2	4-21	do	.2
12-29	do	.1	5-25	do	.1
2- 1	do	.3	8-29	do	.2
2-25	do	.3	9-16	do	.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		CLEAR CREEK			
		Sec. 32-16-41 W.			
10- 1	Fred Hervert	1.6	7-18	Bauer-Kleen	9.6
11- 7	do	5.1	7-24	Melvin Kleen	3.5
1- 3	do	9.8	7-29	Ivan W. Bauer	8.0
2-18	do	8.7	8- 6	do	.6
3-18	do	6.5	8-11	do	7.8
4- 8	Ivan W. Bauer	5.5	8-15	Fred Hervert	.2
4-15	do	7.3	8-18	Ivan W. Bauer	.4
4-29	do	3.9	8-26	Bauer-Hansen	8.0
5-19	do	5.5	9- 4	J. P. Hansen	5.9
6- 6	do	10.1	9-11	do	6.9
6-23	do	8.8	9-18	do	5.9
7- 7	Bauer-Kleen	7.3	9-25	do	7.6
		CLEAR CREEK			
		Westerville—East Line of Sec. 28-17-18 W.			
6-18	C. H. Carstens	1.0			
		CLEAR CREEK			
		Litchfield—Sec. 26-14-16 W.			
10- 9	C. H. Carstens	11.6	9- 9	C. H. Carstens	2.7
		CLEAR CREEK			
		Below Pibel Lake—South Line of Sec. 31-21-10 W.			
4-16	C. H. Carstens	2.0			
		CLEAR CREEK			
		Ashland—West Line of Sec. 36-13-9 E.			
4-25	C. H. Carstens	13.2	5-20	C. H. Carstens	7.0
		CLEARWATER CREEK			
		Clearwater—Sec. 6-25-7 W.			
10-23	C. H. Carstens	17.9	7-22	C. H. Carstens	16.6
4-28	do	32.2	9-25	do	23.5
5-22	do	22.2			
		CLEVELAND DRAIN			
		Sec. 6-20-52 W.			
1-10	C. H. Carstens	0.9	5-14	Fred Hervert	1.2
1-23	do	.9	5-29	do	8.6
2- 3	do	1.0	6-26	K. S. Essex	7.2
2-19	do	.7	7-29	do	2.6
3- 6	do	1.1	8-28	Ivan W. Bauer	5.9
3-20	do	.9	9-13	do	8.7
4-25	Fred Hervert	1.7	9-24	do	5.1
5- 3	do	2.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		COB CREEK			
		Loup City—Sec. 23-15-15 W.			
5-13	C. H. Carstens	0.1			
		COLD WATER CREEK			
		Sec. 34-18-46 W.			
1- 2	Fred Hervert	0.4	5- 7	Fred Hervert	0.2
2- 1	do	.4	5-23	do	3.7
3-17	do	.4	6- 3	do	1.3
4- 7	do	.3			
		COLE CREEK			
		Loup City—East Line of Sec. 29-16-15 W.			
5-13	C. H. Carstens	0.1			
		COTTONWOOD CREEK			
		Dunlap—Sec. 27-29-48 W.			
11- 2	K. S. Essex	0.0	3-25	K. S. Essex	1.0
11-29	do	.2	4-21	do	1.5
12-30	do	.3	5-23	do	.2
2-25	do	.9	9-16	do	.0
		COTTONWOOD CREEK			
		Callaway—North Line of Sec. 12-15-23 W.			
4-15	C. H. Carstens	0.4			
		COTTONWOOD CREEK			
		South Line of Sec. 4-15-8 W.			
7-21	C. H. Carstens	0.0			
		COTTONWOOD CREEK, BIG			
		Sec. 22-33-50 W.			
10-31	K. S. Essex	0.5	3-26	K. S. Essex	1.5
11-30	do	1.0	4-22	do	1.3
12-31	do	.2	5-27	do	.1
1-31	do	.5	9-12	do	.2
3- 3	do	1.0			
		COTTONWOOD CREEK, LITTLE			
		Sec. 8-32-52 W.			
10-31	K. S. Essex	0.1	3-26	K. S. Essex	0.5
11-30	do	.1	5-27	do	.0
1-31	do	.9	9-12	do	.0
3- 3	do	.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		COTTONWOOD CREEK, LITTLE			
		South of Whitney Pipe Line Outlet—Sec. 8-32-51 W.			
10-31	K. S. Essex	0.1	3-26	K. S. Essex	0.5
11-30	do	.0	4- 2	Essex-Rasmussen	29.5
12-31	do	.0	4-22	K. S. Essex	.9
1-31	do	.1	9-12	do	.0
		COUNCIL CREEK			
		Nance County—Sec. 36-17-5 W.			
7-21	C. H. Carstens	0.0			
		COZAD DRAIN			
		Sec. 18-10-23 W.			
5-23	Ivan W. Bauer	0.5	9-16	Melvin Kleen	0.0
8-19	Melvin Kleen	.1			
		CUMING CREEK			
		Scribner—North Line of Sec. 32-20-7 E.			
4-26	C. H. Carstens	2.5	9-24	C. H. Carstens	0.4
5-21	do	1.4			
		DANE CREEK			
		Ord—East Line of Sec. 20-19-14 W.			
10-11	C. H. Carstens	0.2	7-10	C. H. Carstens	0.2
4-11	do	.7	8-13	do	.1
5-12	do	.3			
		DAVIS CREEK			
		Cotesfield—Sec. 34-17-12 W.			
4-16	C. H. Carstens	2.7	7- 8	C. H. Carstens	0.9
5-12	do	2.0	9-11	do	.4
		DAWSON COUNTY DRAIN			
		Darr—Sec. 25-10-23 W.			
10- 5	Fred Hervert	0.3	5-22	Ivan W. Bauer	1.0
10-23	do	.6	7-15	Bauer-Kleen	2.9
1- 9	do	.9	8- 8	Melvin Kleen	1.3
2- 6	do	1.2	8-29	do	2.5
3- 6	do	.9	9- 8	do	2.8
4-26	Ivan W. Bauer	.9	9-27	do	2.6
		DEAD HORSE CREEK			
		Sec. 32-33-49 W.			
12- 2	K. S. Essex	1.0	4-23	K. S. Essex	2.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		DEER CREEK			
		Boelus—North Line of Sec. 27-13-12 W.			
4-14	C. H. Carstens	0.1	7-11	C. H. Carstens	0.2
6-18	do	.3	8-11	do	.1
		DEER CREEK			
		Meadow Grove—East Line of Sec. 30-24-3 W.			
10-23	C. H. Carstens	0.7	4-28	C. H. Carstens	1.8
		DeGRAW DRAIN			
		Sec. 24-20-51 W.			
10-14	H. P. Eisenhuth	1.4	3-17	C. H. Carstens	2.0
11- 5	C. H. Carstens	1.7	4-29	Fred Hervert	2.7
12- 5	do	1.7	5-20	do	2.9
1-20	do	1.4	8- 4	Ivan W. Bauer	2.2
2- 6	do	2.9	9- 3	do	2.9
2-17	do	2.2	9-15	do	3.1
3- 3	do	2.8	9-27	do	7.4
		DISMAL RIVER			
		Dunning—Sec. 4-21-24 W.			
5- 2	C. H. Carstens	299.0	8- 5	C. H. Carstens	290.0
6- 3	do	295.0	9-10	do	289.9
7-23	do	282.0			
		DRINGMAN DRAIN			
		Sec. 32-13-33 W.			
12-10	Fred Hervert	7.0	5-16	Ivan W. Bauer	10.1
1-24	do	5.9	6-10	do	4.0
2- 7	do	8.0	6-25	do	6.8
3- 8	do	8.6	7- 9	Bauer-Kleen	8.2
3-31	do	7.9	7-25	Melvin Kleen	6.4
4- 9	Ivan W. Bauer	10.5	8- 6	do	6.0
4-16	do	10.4	9-19	do	5.0
5- 8	do	7.2			
		DRY CREEK			
		Merriman—Sec. 20-34-37 W.			
10-30	K. S. Essex	0.0	2-26	K. S. Essex	0.0
12- 4	do	.0	3-28	do	5.2
12-26	do	.0	4-25	do	4.8
1-29	do	.0	9- 9	do	.0
		DRY CREEK			
		Meadow Grove—North Line of Sec. 21-24-4 W.			
4-28	C. H. Carstens	0.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		DUGOUT CREEK, LOWER			
		Sec. 20-19-48 W.			
8-29	J. P. Hansen	0.0	9-15	J. P. Hansen	0.0
		DUGOUT CREEK, UPPER			
		Sec. 20-20-50 W.			
10-14	H. P. Eisenhuth	0.4	4-14	Fred Hervert	0.2
11- 5	C. H. Carstens	.4	4-29	do	.3
12- 5	do	.3	5-20	do	.2
1-20	do	.3	8- 4	Ivan W. Bauer	14.4
2- 6	do	.3	9- 3	do	3.3
2-17	do	.3	9-15	do	3 5
3-17	do	.2	9-27	do	4.5
		ELKHORN RIVER			
		O'Neill—Sec. 31-29-11 W.			
5-22	C. H. Carstens	47.3			
		ELKHORN RIVER			
		Ewing—West Line of Sec. 35-27-9 W.			
10-23	C. H. Carstens	19.7	5-22	C. H. Carstens	68.0
4-28	do	122.0	9-25	do	25.6
		ELKHORN RIVER, SOUTH FORK			
		Ewing—Sec. 2-26-9 W.			
10-23	C. H. Carstens	19.8	7-22	C. H. Carstens	20.7
4-28	do	37.8	9-25	do	23.2
5-22	do	27.6			
		ELKHORN RIVER			
		Neligh—Sec. 20-25-6 W.			
10-23	L. J. Glasier	71.3	5-22	L. J. Glasier	150.0
11-28	do	78.5	6-24	C. H. Carstens	163.0
12-23	do	126.0	7-21	do	87.2
1-23	do	110.0	8-26	A. Ferrin	48.7
2-19	do	80.0	9-10	do	59.0
3-19	do	201.0	9-23	do	73.6
4-23	do	562.0			
		ELKHORN RIVER, NORTH FORK			
		Hadar—South Line of Sec. 28-25-1 W.			
10-22	C. H. Carstens	31.8	5-21	C. H. Carstens	55.5
4-28	do	73.7	9-24	do	34.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		ELKHORN RIVER			
		Norfolk—West Line of Sec. 3-23-1 W.			
10-22	C. H. Carstens	126.0	5-21	C. H. Carstens	486.0
4-26	do	552.0			
		ELKHORN RIVER			
		West Point—Sec. 33-22-6 E.			
10-19	C. H. Carstens	167.0	5-21	C. H. Carstens	772.0
4-26	do	1050.0			
		ELKHORN RIVER			
		Waterloo—Sec. 21-16-10 E.			
10- 8	L. J. Glasier	294.0	5- 3	L. J. Glasier	933.0
10-23	do	244.0	6- 4	do	986.0
12- 2	do	170.0	7- 2	do	654.0
12-22	do	328.0	8- 1	L. F. Hanks	274.0
1-24	do	386.0	8-27	A. Ferrin	165.0
2-15	do	2440.0	9- 1	L. F. Hanks	136.0
3- 7	do	1670.0	9- 8	A. Ferrin	208.0
4- 1	do	701.0	9-18	do	1990.0
		ELM CREEK			
		Elm Creek—Sec. 33-9-18 W.			
10- 5	Fred Hervert	0.2	5-21	Ivan W. Bauer	21.8
10-12	do	1.4	6- 5	do	4.9
10-23	do	.0	6-11	do	7.4
10-30	do	.6	6-20	do	.2
11-19	do	.0	6-30	do	.6
12- 7	do	.8	7-14	Bauer-Kleen	13.7
1- 8	do	.0	7-21	do	1.5
3- 7	do	.0	8- 4	Melvin Kleen	.6
3-21	do	.1	8-23	do	.1
4-10	Ivan W. Bauer	1.3	9- 4	do	5.0
5-14	do	5.3	9-20	do	.6
		ELM CREEK			
		Ord—Sec. 24-19-14 W.			
4-16	C. H. Carstens	0.5	8-13	C. H. Carstens	0.2
		FAIRFIELD SEEP			
		Sec. 18-21-53 W.			
10-14	H. P. Eisenhuth	0.7	3-18	C. H. Carstens	0.2
11- 6	C. H. Carstens	.2	4-16	Fred Hervert	1.8
1-10	do	.0	4-29	do	.9
1-21	do	.0	5-21	do	1.7
2- 6	do	.1	8-21	Ivan W. Bauer	3.3
2-18	do	.3	9-10	do	1.9
3- 6	do	.6	9-24	do	5.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		FANNING SEEP			
		One-half Mile North of Mitchell Bridge—Sec. 28-23-56 W.			
10-15	H. P. Eisenhuth	3.1	3-19	C. H. Carstens	1.9
11- 7	C. H. Carstens	1.7	4-16	Fred Hervert	2.5
1-10	do	2.2	4-30	do	1.6
1-23	do	3.8	6-18	do	3.1
2- 6	do	2.6	7- 8	K. S. Essex	2.3
2-18	do	1.9	9-10	Ivan W. Bauer	3.3
3- 4	do	2.2			
		FREMONT SLOUGH			
		North Platte—Sec. 16-13-30 W.			
10- 3	Fred Hervert	0.7	5-28	Ivan W. Bauer	2.6
10-31	do	1.4	6-17	do	5.7
1-24	do	5.1	7-17	Bauer-Kleen	10.8
2-20	do	7.2	8- 7	Melvin Kleen	.8
3-19	do	10.8	8-26	do	1.8
4- 7	Ivan W. Bauer	12.5	9- 6	do	.6
4-24	do	20.6	9-20	do	.4
5- 5	do	10.4	9-24	do	8.2
		FRENCHMAN RIVER			
		Above Maranville Reservoir—Sec. 10-6-41 W.			
11- 9	K. S. Essex	7.5			
		FRENCHMAN RIVER			
		Below Maranville Reservoir—Sec. 11-6-41 W.			
11- 9	K. S. Essex	5.6	3-10	K. S. Essex	5.4
1-18	do	6.1	4-11	do	5.9
2-10	do	6.0			
		FRENCHMAN RIVER			
		Below Inman Canal—Sec. 17-6-40 W.			
11- 9	K. S. Essex	20.5	3-10	K. S. Essex	21.8
1-18	do	19.5	4-11	do	21.5
2-10	do	24.4	5-12	do	16.5
		FRENCHMAN RIVER			
		Above Champion Canal Diversion Dam—Sec. 22-6-40 W.			
11- 9	K. S. Essex	20.8	3-10	K. S. Essex	21.6
1-18	do	24.3	5-12	do	23.1
2-10	do	27.9			
		FRENCHMAN RIVER			
		Below Champion Canal Diversion Dam—West Line of Sec. 23-6-40 W.			
11- 9	K. S. Essex	7.5	3-10	K. S. Essex	8.4
1-18	do	26.8	4-11	do	23.6
2-10	do	3.9	5-12	do	23.7

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		FRENCHMAN RIVER			
		Below Champion—SW¼ Sec. 22-6-39 W.			
11- 9	K. S. Essex	52.8	7-19	D. B. Ender	56.9
12-18	do	64.1	7-25	do	3.0
1-18	do	53.4	8- 2	do	42.9
2-11	do	20.8	8-23	do	61.4
3-11	do	8.1	9-13	do	23.8
4-11	do	52.5	9-19	do	3.2
5- 9	do	57.8	9-26	do	62.2
6- 4	do	59.0			
		FRENCHMAN RIVER			
		Harvey Dam Site—Sec. 3-5-38 W.			
10-17	K. S. Essex	67.2	5- 9	K. S. Essex	81.2
11-12	do	69.1	6- 4	do	63.2
12-18	do	87.0	7-25	D. B. Ender	67.0
1-18	do	85.0	8- 2	do	69.2
2-11	do	61.0	8-23	do	41.5
3- 6	C. J. Osborne	49.6	9-13	do	66.2
3-11	K. S. Essex	66.0	9-19	do	65.8
4-11	do	81.2	9-26	do	73.2
		FRENCHMAN RIVER			
		Hamlet—Sec. 29-5-34 W.			
11-13	K. S. Essex	83.0	7-12	L. F. Hanks	1200.0
12-12	do	105.0	7-16	Hanks-Ender	88.0
1-20	do	107.0	7-25	D. B. Ender	84 1
2-11	do	108.0	8- 4	do	75.0
3-11	do	103.0	8-25	do	77.0
4-10	do	118.0	9-13	do	75.8
5- 9	do	118.0	9-19	do	70.6
6- 4	do	99.0	9-26	do	100.0
		FRENCHMAN RIVER			
		Culbertson—Sec. 17-3-31 W.			
10- 4	L. J. Glasier	86.8	4-30	L. J. Glasier	166.0
11- 4	do	73.1	5-11	K. S. Essex	141.0
11-14	K. S. Essex	91.0	5-28	L. J. Glasier	132.0
12- 7	L. J. Glasier	164.0	6- 6	K. S. Essex	173.0
12-11	K. S. Essex	170.0	6-27	L. J. Glasier	96.1
1- 3	L. J. Glasier	177.0	7-18	Ender-Hanks	104.0
1-21	K. S. Essex	178.0	7-26	D. B. Ender	58.0
2- 4	L. J. Glasier	214.0	8-21	do	137.0
2-13	K. S. Essex	181.0	9- 4	do	35.4
3- 4	L. J. Glasier	162.0	9-11	do	30.5
3-12	K. S. Essex	165.0	9-17	do	27.6
4- 3	L. J. Glasier	183.0	9-24	do	114.0
4- 8	K. S. Essex	178.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		GERING DRAIN			
		Sec. 6-21-54 W.			
10- 2	H. P. Eisenhuth	18.5	4-16	Fred Hervert	35.6
11- 8	C. H. Carstens	22.3	4-30	do	18 2
11-20	do	86.0	5-10	do	22.7
12- 3	do	20.3	5-22	do	23.7
1- 8	do	17.8	6- 6	do	24.1
1-23	do	19.2	6-18	do	26.1
2- 4	do	17.4	7- 8	K. S. Essex	58.0
2-18	do	17.6	8- 5	do	33.4
3- 6	do	16.4	9-12	Ivan W. Bauer	36.9
3-18	do	16.4	9-30	do	62.4
4- 4	Fred Hervert	16.3			
		GILES CREEK			
		Tilden—Sec. 13-24-5 W.			
10-23	C. H. Carstens	0.6	4-28	C. H. Carstens	2.4
		GORDON CREEK			
		Valentine—Sec. 30-33-28 W.			
12-15	K. S. Essex	7.0	3-31	K. S. Essex	5.9
1-28	do	8.5	4-26	do	7.5
2-27	do	6.2	9-10	do	5.0
		GRAVEL CREEK			
		Sec. 9-14-36 W.			
4-23	Ivan W. Bauer	3.0	7-29	Ivan W. Bauer	3.9
5- 8	do	3.3	8-19	do	3.2
6-16	do	3.2			
		GREENWOOD CREEK			
		Mouth—Sec. 26-19-50 W.			
10-26	K. S. Essex	0.0	8-30	J. P. Hansen	0.0
2- 6	do	.0	9- 8	do	.0
5- 3	do	.0	9-15	do	.0
6-24	do	.0	9-22	do	.0
7- 7	do	1.9	9-29	do	.5
		HACKBERRY CREEK			
		Spalding—Sec. 11-20-10 W.			
4-16	C. H. Carstens	0.9			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		HASKELL CREEK			
		Ord—Sec. 4-19-14 W.			
10-11	C. H. Carstens	0.2	5-12	C. H. Carstens	0.1
4-16	do	.1			
		HASKELL CREEK			
		Above Burwell-Sumter Canal—Sec. 3-19-14 W.			
7- 8	C. H. Carstens	0.0	8-13	C. H. Carstens	0.0
		HAT CREEK			
		Above Coffee Canal—Sec. 35-33-55 W.			
11- 4	K. S. Essex	2.5	9-17	K. S. Essex	1.7
5-24	do	.8			
		HERSHEY DRAIN			
		Sec. 33-14-32 W.			
12-11	Fred Hervert	12.0	6-10	Ivan W. Bauer	9.7
1-24	do	11.6	6-17	do	6.8
3- 8	do	14.1	6-25	do	10.4
4- 7	Ivan W. Bauer	13.0	7- 9	Bauer-Kleen	8.4
4-28	do	14.1	8-14	Melvin Kleen	8.2
5- 5	do	8.9	8-28	do	8.8
5-16	do	13.4	9-13	do	8.6
5-29	do	6.4			
		HIGHWAY DRAIN			
		Sec. 12-10-24 W.			
5-23	Ivan W. Bauer	0.8			
		HORSE CREEK			
		Lyman—Sec. 25-23-58 W.			
10- 3	H. P. Eisenhuth	30.1	4-16	Fred Hervert	14.8
11- 8	C. H. Carstens	17.3	5- 1	do	11.6
11-19	do	14.9	5- 9	do	11.0
12- 2	do	14.0	5-22	do	24.3
12-19	do	12.2	6- 6	do	13.4
1- 7	do	10.3	6-17	do	36.9
1-22	do	12.5	7-19	K. S. Essex	100.0
2- 5	do	11.8	8- 7	do	36.7
2-19	do	12.0	8-22	Ivan W. Bauer	57.0
3- 5	do	12.9	9-11	do	51.4
3-13	do	7.8	9-26	do	103.0
4- 5	Fred Hervert	8.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		HORSE CREEK			
		South Line of Sec. 33-14-7 W.			
7-21	C. H. Carstens	0.0			
		HUMBUG CREEK			
		Pilger—South Line of Sec. 28-24-3 E.			
4-26	C. H. Carstens	1.0	9-24	C. H. Carstens	0.3
		INDIAN CREEK			
		Northport Wye—Sec. 19-20-50 W.			
10-14	H. P. Eisenhuth	2.3	4-14	Fred Hervert	1.7
11- 5	C. H. Carstens	2.4	4-29	do	1.2
12- 5	do	2.2	5-20	do	1.2
1-20	do	1.8	6-12	do	1.7
2- 6	do	1.6	8- 4	Ivan W. Bauer	2.4
2-17	do	1.5	9- 3	do	5.5
3- 3	do	1.5	9-15	do	5.1
3-17	do	1.7	9-27	do	7.2
		INDIAN CREEK			
		Sec. 5-32-50 W.			
12- 2	K. S. Essex	0.0	4-23	K. S. Essex	0.0
3- 1	do	.0			
		JIM CREEK			
		Above High Line Canal—Sec. 13-33-57 W.			
9-17	K. S. Essex	0.3			
		JIM CREEK			
		Above Caladonia Dam—Sec. 13-33-56 W.			
5-24	K. S. Essex	0.1			
		JIM CREEK			
		Below Caladonia Dam—Sec. 13-33-56 W.			
5-24	K. S. Essex	0.1			
		LANE DRAIN			
		Sec. 30-23-57 W.			
1-10	C. H. Carstens	0.5	4-16	Fred Hervert	0.3
1-22	do	.5	5- 1	do	.6
2- 5	do	.5	6- 6	do	1.6
2-19	do	.5	8- 7	K. S. Essex	3.1
3- 5	do	.5	9-11	Ivan W. Bauer	2.0
3-19	do	.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LARABEE CREEK			
		Sec. 6-34-44 W.			
10-30	K. S. Essex	1.6	3-28	K. S. Essex	1.7
12- 4	do	2.4	4-25	do	2.2
12-28	do	2.0	5-22	do	1.8
2-26	do	2.2	9- 9	do	1.2
		LAWRENCE FORK			
		Sec. 36-19-52 W.			
7-21	K. S. Essex	0.0	9-22	J. P. Hansen	0.0
9- 8	J. P. Hansen	.0	9-29	do	.5
9-15	do	.0			
		LEISY CREEK			
		Wisner—Sec. 10-23-4 E.			
4-26	C. H. Carstens	0.0			
		LILLIAN CREEK			
		Walworth—Sec. 1-19-20 W.			
10-10	C. H. Carstens	0.2	4-15	C. H. Carstens	1.1
		LINCOLN COUNTY DRAIN NO. 1			
		North Platte—Sec. 30-14-30 W.			
10- 3	Fred Hervert	52.2	5-16	Ivan W. Bauer	29.6
10-26	do	50.2	5-29	do	31.7
12-11	do	38.1	6-17	do	24.0
1- 6	do	35.8	6-28	do	65.6
2- 7	do	33.6	7- 9	Bauer-Kleen	34.5
2-20	do	35.4	8- 7	Melvin Kleen	34.0
3- 8	do	33.6	8-21	do	48.2
3-19	do	29.8	8-29	do	48.0
4- 7	Ivan W. Bauer	31.7	9-13	do	42.3
4-14	do	15.6	9-18	do	55.9
4-24	do	32.1	9-25	do	67.3
5- 5	do	31.6			
		LINCOLN COUNTY DRAIN NO. 2			
		Sec. 12-14-33 W.			
12-10	Fred Hervert	3.4	5- 7	Ivan W. Bauer	2.6
1-24	do	2.2	6-10	do	3.2
3- 8	do	2.3	6-25	do	2.5
4- 9	Ivan W. Bauer	2.0	7- 9	Bauer-Kleen	2.4
		LITTLE RED CREEK			
		Above Zerbst Canal—Sec. 34-33-56 W.			
11- 4	K. S. Essex	0.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LODGEPOLE CREEK			
		Wyoming-Nebraska Line—Sec. 11-14-59 W.			
10-23	K.S. Essex	2.0	4-16	K. S. Essex	5.9
11-26	do	2.3	6-18	Essex-Hanna	7.5
2-21	do	3.9	9- 4	do	.5
3-18	do	4.6			
		LODGEPOLE CREEK			
		Above Oliver Reservoir—Bushnell—Sec. 33-15-57 W.			
10-23	K. S. Essex	9.9	4-16	K. S. Essex	13.4
11-26	do	11.1	5- 1	Essex-Hanna	13.2
12-16	do	9.7	6-18	do	17.0
2-21	do	12.2	9- 4	do	6.7
3-18	do	13.9			
		LODGEPOLE CREEK			
		Below Oliver Reservoir—Sec. 31-15-56 W.			
10-23	K. S. Essex	0.5	4-16	K. S. Essex	0.5
11-26	do	.5	5- 1	Essex-Hanna	.6
12-16	do	1.2	6-18	do	4.6
2-21	do	2.6	9- 5	do	1.4
3-18	do	1.0			
		LODGEPOLE CREEK			
		Kimball—Sec. 29-15-55 W.			
10-24	K. S. Essex	7.4	4-16	K. S. Essex	8.9
11-26	do	6.5	6-19	Essex-Hanna	12.0
2-21	do	6.5	9- 5	do	.0
3-18	do	8.7			
		LODGEPOLE CREEK			
		Above Bennett Reservoir—Sec. 28-15-55 W.			
10-24	K. S. Essex	7.5			
		LODGEPOLE CREEK			
		Dix—Sec. 26-15-54 W.			
10-24	K. S. Essex	0.0	3-18	K. S. Essex	0.9
11-25	do	.0	4-16	do	.2
12-16	do	.0	6-19	do	.5
2-21	do	.0			
		LODGEPOLE CREEK			
		Potter—Sec. 6-14-52 W.			
10-24	K. S. Essex	0.0	3-18	K. S. Essex	0.0
11-25	do	.0	6-19	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LODGEPOLE CREEK			
		Sidney—Sec. 31-14-49 W.			
10-24	K. S. Essex	0.8	4-15	K. S. Essex	1.7
11-26	do	.0	5-14	do	.4
12-17	do	.0			
		LODGEPOLE CREEK			
		Below Krueger's Lake—Sec. 29-14-48 W.			
10-25	K. S. Essex	1.0	3-19	K. S. Essex	4.2
11-27	do	.1	4-15	do	2.8
12-17	do	1.5	6-21	do	16.2
2-21	A. W. Hall	1.7			
		LODGEPOLE CREEK			
		Above Krueger Canal—Sec. 31-14-48 W.			
2-21	A. W. Hall	8.0			
		LODGEPOLE CREEK			
		Rock Pile—NE Corner of Sec. 33-14-48 W.			
6-21	K. S. Essex	19.0			
		LODGEPOLE CREEK			
		South of Sunol—Sec. 36-14-48 W.			
10-25	K. S. Essex	0.5	4-17	K. S. Essex	1.2
12-17	do	1.0	6-21	do	16.7
3-19	do	.7			
		LODGEPOLE CREEK			
		Lodgepole—Sec. 30-14-46 W.			
10-25	K. S. Essex	0.1	3-19	K. S. Essex	0.5
11-27	do	.1	4-17	do	6.4
12-17	do	.5	6-21	do	25.1
		LODGEPOLE CREEK			
		Chappell—Sec. 21-13-45 W.			
10-25	K. S. Essex	0.0	4-17	K. S. Essex	6.7
11-27	do	.1	5-15	do	.9
12-17	do	.3	6-20	do	40.4
3-19	do	.7			
		LODGEPOLE CREEK			
		Interstate Station at Ralton—Sec. 12-12-45 W.			
10-25	K. S. Essex	0.1	4-17	K. S. Essex	3.7
11-27	do	.2	5-15	do	2.0
12-27	do	1.0	6-20	do	28.6
3-19	do	2.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LOGAN CREEK			
		Uehling—Sec. 9-20-8 E.			
10-19	C. H. Carstens	37.6	4-24	L. J. Glasier	146.0
10-28	L. J. Glasier	56.0	5-23	do	74.0
11-28	do	35.6	6-15	do	69.0
12-23	do	41.0	8-27	A. Ferrin	37.3
1-24	do	33.3	9- 9	do	47.5
2-15	do	935.0	9-17	do	965.0
3-19	do	117.0			
		LONERGAN CREEK			
		Lemoyne—Sec. 19-15-39 W.			
10- 9	Fred Hervert	3.6	7-18	Bauer-Kleen	5.2
11- 7	do	5.4	7-24	Melvin Kleen	4.9
1- 3	do	4.7	7-29	Ivan W. Bauer	6.4
2-18	do	7.8	8- 6	do	5.0
3-18	do	5.8	8-11	do	4.9
4- 8	Ivan W. Bauer	5.8	8-15	Fred Hervert	5.1
4-15	do	7.8	8-18	Ivan W. Bauer	5.1
4-29	do	6.7	8-26	Bauer-Hansen	6.5
5-19	do	5.3	9- 5	J. P. Hansen	4.6
6- 6	do	7.2	9-11	do	3.8
6-23	do	5.4	9-18	do	4.7
7- 7	Bauer-Kleen	5.4	9-25	do	5.0
		LOUP RIVER			
		Columbus—Sec. 30-17-1 E.			
10- 3	W. L. Phillips	96.0	5-27	W. L. Phillips	273.0
10-12	do	115.0	6- 4	do	3260.0
10-19	do	74.0	6-11	do	476.0
10-28	do	101.0	6-17	do	209.0
11- 6	do	162.0	6-25	do	295.0
11-14	do	96.0	6-30	do	196.0
11-27	do	350.0	7- 7	do	96.0
12- 6	do	348.0	7-15	do	1900.0
1- 9	do	218.0	7-23	do	765.0
1-21	do	165.0	7-24	L. F. Hanks	748.0
2-21	do	307.0	8- 1	W. L. Phillips	1020.0
3- 5	do	937.0	8- 8	do	84.0
3-19	do	2160.0	8-14	do	49.0
3-31	do	256.0	8-21	do	49.4
4- 9	do	661.0	8-29	do	46.3
4-18	do	400.0	9- 4	do	677.0
4-25	do	482.0	9- 9	do	744.0
5- 6	do	488.0	9-12	do	104.0
5-13	do	172.0	9-19	do	193.0
5-20	do	332.0	9-27	do	247.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
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Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LOUP RIVER, MIDDLE			
		Dunning—Sec. 33-22-24 W.			
5- 2	C. H. Carstens	359.0	8- 5	C. H. Carstens	331.0
6- 3	do	369.0	9-10	do	326.6
7-23	do	337.0			
		LOUP RIVER, MIDDLE			
		Walworth—Sec. 1-19-20 W.			
10-10	C. H. Carstens	845.0	6-19	C. H. Carstens	636.0
10-30	L. J. Glasier	731.0	7-23	do	667.0
11-26	do	961.0	8- 6	do	645.0
2- 8	M. S. Dodd	787.0	8-15	do	609.0
3-12	do	791.0	8-22	do	698.0
4-10	C. H. Carstens	670.0	8-28	Carstens-Hanks	721.0
4-22	do	874.0	9- 5	C. H. Carstens	733.0
5- 2	do	875.0	9-11	A. Ferrin	658.0
5-13	do	745.0	9-19	do	670.0
6- 3	do	758.0	9-24	do	1080.0
		LOUP RIVER, MIDDLE			
		Arcadia—Sec. 26-17-16 W.			
10- 2	G. O. Travis	884.0	4-28	G. O. Travis	571.0
10- 9	do	632.0	6-27	do	543.0
10-16	do	707.0	7-25	do	330.0
10-23	do	739.0	8-11	do	396.0
11- 8	do	779.0	8-27	C. H. Carstens	536.0
12- 4	do	1140.0	9-11	A. Ferrin	576.0
1-25	do	687.0	9-21	G. O. Travis	586.0
3-21	do	608.0	9-24	A. Ferrin	1720.0
		LOUP RIVER, MIDDLE			
		Boelus—Sec. 29-13-12 W.			
10- 9	C. H. Carstens	84.0	5-20	L. J. Glasier	3230.0
10-16	do	94.0	6-18	C. H. Carstens	19.0
10-29	L. J. Glasier	268.0	7-11	do	12.6
11-27	do	954.0	7-25	do	7.0
12-19	do	174.0	8-11	do	4.0
1-21	do	619.0	8-27	Carstens-Hanks	17.5
2-21	do	336.0	9- 3	A. Ferrin	277.0
3-21	do	430.0	9- 5	C. H. Carstens	191.0
4-14	C. H. Carstens	1230.0	9-12	A. Ferrin	25.3
4-21	L. J. Glasier	676.0	9-20	L. F. Hanks	8.5
5- 6	C. H. Carstens	430.0	9-26	A. Ferrin	447.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LOUP RIVER, MIDDLE			
		St. Paul—Sec. 10-14-10 W.			
10- 7	L. J. Glasier	1790.0	5-21	Glasier-Essex	8840.0
10-22	do	698.0	5-29	W. L. Phillips	683.0
11- 6	do	952.0	6- 5	do	1090.0
11-19	do	1760.0	6-17	C. H. Carstens	712.0
12- 4	do	608.0	6-24	W. L. Phillips	1140.0
12-20	do	425.0	7- 1	C. H. Carstens	628.0
1- 8	do	409.0	7- 9	W. L. Phillips	604.0
1-21	do	535.0	7-15	C. H. Carstens	801.0
2- 8	do	1200.0	7-22	W. L. Phillips	444.0
2-21	do	462.0	7-24	L. F. Hanks	425.0
3- 6	do	817.0	7-28	W. L. Phillips	260.0
3-22	do	1190.0	8- 6	do	292.0
4- 8	Glasier-Carstens	1270.0	8-19	C. H. Carstens	392.0
4-17	W. L. Phillips	1054.0	9- 2	do	503.0
4-22	L. J. Glasier	1670.0	9-11	W. L. Phillips	730.0
4-30	W. L. Phillips	1380.0	9-12	Carstens-Ferrin	627.0
5- 7	Glasier-Carstens	1280.0	9-18	C. H. Carstens	802.0
5-14	W. L. Phillips	756.0	9-25	A. Ferrin	2580.0
		LOUP RIVER, NORTH			
		Sec. 20-28-35 W.			
3- 9	Essex-Carstens	3.3			
		LOUP RIVER, NORTH			
		Brewster—Sec. 27-23-22 W.			
6- 3	C. H. Carstens	301.0	8- 5	C. H. Carstens	233.0
7-23	do	256.0	9-10	do	275.1
		LOUP RIVER, NORTH			
		Taylor—Sec. 22-21-18 W.			
10- 7	G. O. Travis	292.0	6- 4	C. H. Carstens	276.0
10-14	do	277.0	6-19	do	246.0
10-21	do	277.0	7- 9	do	228.0
10-28	do	304.0	7-24	do	199.0
11- 4	do	418.0	8- 6	do	105.0
12- 6	do	505.0	8-14	do	128.0
12-21	M. S. Dodd	543.0	8-28	Carstens-Hanks	220.0
2- 8	do	430.0	9- 4	C. H. Carstens	207.0
3-13	do	414.0	9-11	A. Ferrin	257.0
4-10	C. H. Carstens	399.0	9-19	C. H. Carstens	245.0
4-21	do	508.0	9-24	A. Ferrin	549.0
5- 1	do	474.0	9-30	Carstens-Hervert-Ball	408.0
5-13	do	394.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LOUP RIVER, NORTH			
		Scotia—Sec. 8-17-12 W.			
10- 4	G. O. Travis	459.0	6- 4	C. H. Carstens	588.0
10-11	do	540.0	6-19	do	563.0
10-18	do	543.0	7- 8	do	481.0
10-25	do	512.0	7-24	do	268.0
11- 1	do	855.0	8- 4	do	123.0
12- 5	do	913.0	8-13	do	215.0
12-28	do	1170.0	8-21	do	530.0
2-14	M. S. Dodd	916.0	8-26	Carstens-Hanks	310.0
3-14	do	940.0	9- 4	C. H. Carstens	525.0
4- 7	C. H. Carstens	799.0	9-11	A. Ferrin	450.0
4-21	do	1660.0	9-18	C. H. Carstens	539.0
5- 1	do	924.0	9-25	A. Ferrin	1260.0
5-12	do	662.0	9-30	Ball-Hervert-Carstens	847.0
		LOUP RIVER, NORTH			
		St. Paul—Sec. 22-15-10 W.			
10- 7	L. J. Glasier	897.0	5-21	Glasier-Follansbee	1330.0
10-22	do	510.0	5-29	W. L. Phillips	606.0
11- 6	do	825.0	6- 5	C. H. Carstens	669.0
11-19	do	953.0	6-17	do	604.0
12- 4	do	621.0	6-24	W. L. Phillips	751.0
12-20	do	813.0	7- 1	C. H. Carstens	493.0
1- 8	do	553.0	7- 9	W. L. Phillips	455.0
1-22	do	680.0	7-16	C. H. Carstens	600.0
2- 7	do	1060.0	7-22	W. L. Phillips	281.0
2-20	do	452.0	7-24	L. F. Hanks	238.0
3- 7	do	1010.0	7-28	W. L. Phillips	136.0
3-22	do	878.0	8- 6	do	105.0
4- 9	do	1070.0	8-20	Phillips-Carstens	312.0
4-17	W. L. Phillips	882.0	9- 2	C. H. Carstens	329.0
4-22	L. J. Glasier	1160.0	9-11	W. L. Phillips	485.0
4-30	do	1030.0	9-12	Ferrin-Carstens	427.0
5- 7	do	864.0	9-16	C. H. Carstens	1630.0
5-14	W. L. Phillips	819.0	9-25	Ferrin-Phillips	1410.0
		LOUP RIVER, SOUTH			
		Callaway—Sec. 2-15-23 W.			
4-15	C. H. Carstens	95.8	9- 9	C. H. Carstens	49.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LOUP RIVER, SOUTH			
		Ravenna—East Line of Sec. 17-12-14 W.			
10- 9	C. H. Carstens	111.0	6- 2	C. H. Carstens	2930.0
10-16	do	94.0	6-18	do	132.0
10-29	L. J. Glasier	120.0	7-11	do	182.0
11-27	do	142.0	8-11	do	54.0
12-19	do	136.0	8-22	Carstens-Hanks	76.6
1-21	do	108.0	9- 3	A. Ferrin	301.0
2-21	do	74.0	9- 5	C. H. Carstens	359.0
3-21	do	179.0	9-13	A. Ferrin	81.9
4-21	do	297.0	9-19	C. H. Carstens	85.0
5- 6	C. H. Carstens	312.0	9-26	A. Ferrin	202.0
5-20	L. J. Glasier	2080.0			
		McGUIRE'S SLOUGH			
		Sec. 21-6-40 W.			
11- 9	K. S. Essex	1.6	4-11	K. S. Essex	2.3
1-18	do	1.7	5-12	do	1.7
		MAPLE CREEK			
		Nickerson—West Line of Sec. 11-18-8 E.			
4-26	C. H. Carstens	3.1	9-24	C. H. Carstens	0.8
5-21	do	3.4			
		MEDICINE CREEK			
		Cambridge—Sec. 18-4-25 W.			
10- 2	K. S. Essex	48.6	5- 6	K. S. Essex	62.0
11- 5	L. J. Glasier	45.1	5-20	Bureau of Reclamation	9740.0
11-17	K. S. Essex	60.0	5-28	L. J. Glasier	53.0
12- 6	L. J. Glasier	51.0	6- 6	K. S. Essex	1640.0
12-11	K. S. Essex	59.0	6-26	L. J. Glasier	54.0
1- 4	L. J. Glasier	36.3	7-18	Ender-Hanks	61.0
1-21	K. S. Essex	66.0	7-30	D. B. Ender	282.0
2- 4	L. J. Glasier	81.0	8-20	do	37.3
2-13	K. S. Essex	64.0	9- 3	do	113.0
3- 4	L. J. Glasier	64.0	9-10	do	41.2
3-14	K. S. Essex	63.0	9-16	do	35.3
4- 4	L. J. Glasier	66.0	9-23	do	214.0
4- 8	K. S. Essex	58.0	9-30	do	65.0
5- 1	L. J. Glasier	60.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		MELBETA DRAIN			
		One-half Mile West of Melbeta Bridge—Sec. 13-21-54 W.			
11-25	C. H. Carstens	4.7	3-20	C. H. Carstens	1.1
1-10	do	1.8	5- 3	Fred Hervert	2.7
1-23	do	1.8	5-14	do	.1
2- 6	do	1.8	8- 5	K. S. Essex	.5
2-19	do	1.3	9-24	Ivan W. Bauer	7.8
3- 6	do	1.4			
		MESSENGER CREEK			
		Sumter—Sec. 26-19-13 W.			
4-16	C. H. Carstens	0.5	7- 8	C. H. Carstens	0.1
5-12	do	.2	8-13	do	.2
		MIDDLE CREEK			
		Lincoln—Sec. 28-10-6 E.			
4-25	C. H. Carstens	1.0			
		MINNECHADUZA CREEK			
		Valentine—Sec. 23-34-29 W.			
10-30	K. S. Essex	10.4	4-25	K. S. Essex	39.4
12- 6	do	20.3	5-22	do	11.7
1-29	do	19.1	9-11	do	19.1
3-31	do	27.4			
		MIRA CREEK			
		Above Ord-North Loup Canal Spillway—Sec. 27-18-13 W.			
7- 3	C. H. Carstens	0.1	8- 4	C. H. Carstens	0.0
7- 8	do	.1	8-13	do	.0
		MIRA CREEK			
		North Loup—Sec. 26-18-13 W.			
4-11	C. H. Carstens	1.2	5-12	C. H. Carstens	0.2
		MONROE CREEK			
		Below Monroe Canal—Sec. 33-33-56 W.			
11- 4	K. S. Essex	0.0	9-17	K. S. Essex	0.0
		MOON CREEK			
		Loup City—Sec. 10-15-15 W.			
5-13	C. H. Carstens	0.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		MUDDY CREEK			
		Berwyn—Sec. 13-16-20 W.			
10- 9	C. H. Carstens	0.3	9- 9	C. H. Carstens	0.7
6-18	do	.6			
		MUDDY CREEK			
		Ansley—Sec. 16-15-18 W.			
10- 9	C. H. Carstens	6.3	9- 9	C. H. Carstens	6.2
6-18	do	8.1			
		MUDDY CREEK			
		Hazard—Sec. 29-13-15 W.			
10- 9	C. H. Carstens	32.9	7-11	C. H. Carstens	15.1
4-14	do	435.0	8-11	do	8.2
6-18	do	23.6	9- 9	do	19.3
		MUNSON CREEK			
		Elba—Sec. 33-16-11 W.			
4-16	C. H. Carstens	0.6	7- 8	C. H. Carstens	0.1
5-12	do	.3	8-13	do	.0
		NINE MILE DRAIN			
		Minatare—Sec. 25-21-53 W.			
10- 2	H. P. Eisenhuth	112.0	4-15	Fred Hervert	62.0
10-14	do	92.0	4-29	do	62.0
11- 6	C. H. Carstens	76.0	5- 8	do	59.0
11-22	do	75.0	5-21	do	96.0
12- 4	do	72.0	6-11	do	200.0
1- 6	do	68.0	6-26	K. S. Essex	96.0
1-21	do	65.0	7- 9	do	93.0
2- 3	do	65.0	7-31	do	106.0
2-17	do	62.0	8-13	Ivan W. Bauer	108.0
3- 3	do	63.0	9- 8	do	128.0
3-20	do	59.0	9-16	do	137.0
4- 4	Fred Hervert	62.0	9-30	do	147.0
		NIOBRARA RIVER			
		Wyoming-Nebraska State Line—Sec. 20-31-58 W.			
11- 5	K. S. Essex	3.8	4-28	K. S. Essex	9.3
12- 1	do	4.7			
		NIOBRARA RIVER			
		South of Harrison—Sec. 9-29-56 W.			
11- 5	K. S. Essex	7.2	2- 3	K. S. Essex	8.3
12 -1	do	13.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		NIOBRARA RIVER			
		Agate—Sec. 7-28-55 W.			
11- 5	K. S. Essex	5.6	4-28	K. S. Essex	17.4
2- 3	do	18.7			
		NIOBRARA RIVER			
		Below Mouth of Whistle Creek—Sec. 7-28-53 W.			
11- 6	K. S. Essex	2.8	4- 1	K. S. Essex	28.8
12- 3	do	16.4	4-24	do	20.3
12-30	do	24.5	5-26	do	5.3
		NIOBRARA RIVER			
		East of Marsland—Sec. 36-29-51 W.			
11- 2	K. S. Essex	5.1	4-24	K. S. Essex	40.7
12- 3	do	24.6	5-26	do	11.5
12-30	do	32.7	9-16	do	17.3
2- 2	do	34.8			
		NIOBRARA RIVER			
		Dunlap—Sec. 27-29-48 W.			
11- 2	K. S. Essex	10.4	3-25	K. S. Essex	60.0
11-29	do	42.5	4-21	do	66.0
12-30	do	51.0	5-23	do	4.8
2- 2	do	53.0	8-29	do	23.0
2-25	do	47.2	9-16	do	20.4
		NIOBRARA RIVER			
		South of Gordon—Sec. 15-31-41 W.			
10-30	K. S. Essex	84.7	3-28	K. S. Essex	180.0
12- 4	do	162.6	4-25	do	159.6
12-28	do	194.6	5-22	do	77.0
1-29	do	157.9	9- 9	do	89.4
2-28	do	184.0			
		NIOBRARA RIVER			
		Valentine—Sec. 28-33-28 W.			
10-29	K. S. Essex	661.3	4-26	K. S. Essex	861.6
12- 5	do	913.3	5-21	do	633.8
12-27	do	874.1	9-10	do	605.9
		NIOBRARA RIVER			
		Below Dam at Valentine—Sec. 22-34-27 W.			
10-29	K. S. Essex	710.1	3-31	K. S. Essex	911.5
12- 5	do	980.7	4-26	do	866.7
12-27	do	970.2	5-21	do	774.0
1-28	do	970.5	9-10	do	679.9
2-28	do	877.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		OAK CREEK			
		Dannebrog—West Line of Sec. 9-13-11 W.			
4-14	C. H. Carstens	1.7	7-11	C. H. Carstens	0.1
6-18	do	.5	8-11	do	.0
		OAK CREEK			
		West Lincoln—West Line of Sec. 16-10-6 E.			
4-25	C. H. Carstens	7.0	5-20	C. H. Carstens	3.4
		OTTER CREEK			
		Lemoyne—Sec. 9-15-40 W.			
10- 9	Fred Hervert	19.8	7-18	Bauer-Kleen	23.1
11- 7	do	19.6	7-24	Melvin Kleen	21.3
1- 3	do	19.0	7-29	Ivan W. Bauer	18.6
2-18	do	19.2	8- 6	do	20.3
3-18	do	19.1	8-11	do	18.9
4- 8	Ivan W. Bauer	21.9	8-15	Fred Hervert	19.0
4-15	do	24.0	8-18	Ivan W. Bauer	18.3
4-29	do	20.7	8-26	Bauer-Hansen	21.2
5-19	do	24.9	9- 4	J. P. Hansen	18.2
6- 6	do	18.8	9-11	do	20.6
6-23	do	19.5	9-18	do	19.2
7- 7	Bauer-Kleen	20.2	9-25	do	18.6
		PAWNEE CREEK			
		Sec. 4-12-27 W.			
10- 4	Fred Hervert	3.4	5-24	Ivan W. Bauer	1.6
12- 8	do	3.6	6-11	do	6.3
1- 5	do	2.0	6-18	do	3.6
2- 5	do	7.1	7-10	Bauer-Kleen	2.6
3-20	do	6.4	8-11	Melvin Kleen	4.1
4- 5	Ivan W. Bauer	7.1	8-19	do	1.0
4-21	do	13.3	8-27	do	3.2
5- 6	do	2.9	9-12	do	2.3
5-15	do	2.2	9-24	do	12.0
		PEBBLE CREEK			
		Scribner—Sec. 4-19-7 E.			
4-26	C. H. Carstens	10.2	9-24	C. H. Carstens	5 4
5-21	do	6.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		PINE CREEK			
		Colclesser Mill—Sec. 33-30-44 W.			
10-30	K. S. Essex	17.0	4-25	K. S. Essex	34.6
12- 4	do	20.3	5-22	do	16.4
12-28	do	21.5	9- 9	do	16.0
2-28	do	23.6			
		PLUM CREEK			
		U.P.R.R. Bridge—Sec. 10-19-49 W.			
10- 8	Fred Hervert	1.6	2- 1	Fred Hervert	0.0
1- 2	do	.0	3-17	do	.0
		PLUM CREEK			
		Sec. 33-17-5 W.			
7-21	C. H. Carstens	0.0			
		PLUM CREEK			
		Beemer—South Line of Sec. 4-22-6 E.			
4-26	C. H. Carstens	10.5	9-24	C. H. Carstens	0.3
		PRAIRIE CREEK			
		Silver Creek—Sec. 17-16-2 W.			
4-24	C. H. Carstens	6.6	9-24	C. H. Carstens	3.4
		PRAIRIE DOG CREEK			
		Above Schilt Prairie Dog Canal—Sec. 35-33-56 W.			
11- 4	K. S. Essex	0.1			
		PUMPKINSEED CREEK			
		Gering-Kimball Highway—Sec. 4-19-55 W.			
3- 7	K. S. Essex	2.5	4-30	K. S. Essex	3.0
		PUMPKINSEED CREEK			
		Below Mutual Canal—Sec. 27-19-52 W.			
6-23	K. S. Essex	8.7	7-21	K. S. Essex	4.0
		PUMPKINSEED CREEK			
		Five Miles South of Bridgeport—Sec. 28-19-50 W.			
2- 6	K. S. Essex	22.1	6-24	K. S. Essex	8.7
5- 5	do	18.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		PUMPKINSEED CREEK			
		Mouth—Sec. 12-19-50 W.			
10- 7	Fred Hervert	42.3	4-23	Fred Hervert	35.1
10-26	K. S. Essex	18.8	5- 3	K. S. Essex	42.1
11-18	C. H. Carstens	15.9	5-19	do	36.8
11-28	do	14.7	5-26	Fred Hervert	2.3
12- 5	do	21.0	6-13	do	61.0
1- 4	do	30.1	6-24	K. S. Essex	18.1
1-20	do	35.3	7-11	do	19.3
2- 1	do	32.8	7-28	Ivan W. Bauer	13.2
2- 6	K. S. Essex	37.6	8-23	do	50.0
3- 1	C. H. Carstens	35.5	8-29	J. P. Hansen	23.2
3-15	do	19.6	9- 8	do	17.7
3-25	do	24.0	9-15	do	22.0
4- 8	Fred Hervert	11.8	9-22	do	20.9
4-14	do	37.1	9-29	do	40.8
		RED WILLOW CREEK			
		Near Bayard—Sec. 7-20-51 W.			
10- 1	H. P. Eisenhuth	103.0	4-29	Fred Hervert	41.2
10-14	do	62.0	5- 8	do	33.4
11- 6	C. H. Carstens	64.0	5-20	do	51.0
11-22	do	61.0	6-12	do	85.0
12- 4	do	60.0	6-26	K. S. Essex	40.5
1- 8	do	47.1	7-11	do	44.2
1-21	do	47.8	7-31	do	53.0
2- 3	do	46.8	8- 9	Ivan W. Bauer	54.0
2-17	do	45.6	8-27	K. S. Essex	110.0
3- 3	do	47.4	9- 3	Ivan W. Bauer	53.4
3-17	do	44.3	9-18	do	70.1
4- 4	Fred Hervert	43.5	9-27	do	128.0
4-15	do	42.0			
		RED WILLOW CREEK			
		North of McCook—Sec. 6-4-29 W.			
11-13	K. S. Essex	15.9	7-18	Essex-Hanks-Bailey	33.1
1- 4	L. J. Glasier	10.1	7-26	D. B. Ender	16.4
1-21	K. S. Essex	24.2	8- 2	do	16.9
2- 4	L. J. Glasier	28.8	8-25	do	8.6
2-13	K. S. Essex	23.7	8-29	do	11.1
3- 4	L. J. Glasier	24.4	9- 4	do	17.5
3-14	K. S. Essex	25.2	9-10	do	12.0
4- 4	L. J. Glasier	25.1	9-16	do	10.5
4- 8	K. S. Essex	21.6	9-23	do	41.3
5- 1	L. J. Glasier	26.2	9-24	do	254.0
5- 6	K. S. Essex	25.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		RED WILLOW CREEK			
		Red Willow—Sec. 8-3-28 W.			
10- 5	L. J. Glasier	14.1	5- 1	L. J. Glasier	33.1
11- 5	do	13.6	5- 6	K. S. Essex	30.9
11-11	K. S. Essex	17.6	5-28	L. J. Glasier	23.9
12- 6	L. J. Glasier	21.2	6- 6	K. S. Essex	1020.0
12-11	K. S. Essex	20.1	6-26	L. J. Glasier	201.0
1- 4	L. J. Glasier	6.4	7-18	Ender-Hanks	36.2
1-21	K. S. Essex	26.6	7-30	D. B. Ender	28.9
2- 4	L. J. Glasier	38.4	8-20	do	14.1
2-13	K. S. Essex	28.1	9- 4	do	69.3
3- 4	L. J. Glasier	30.6	9-10	do	15.4
3-14	K. S. Essex	28.2	9-16	do	14.3
4- 4	L. J. Glasier	29.5	9-23	do	145.0
4- 8	K. S. Essex	30.6	9-30	do	32.9
		REPUBLICAN RIVER			
		Colorado-Nebraska Line—Sec. 10-1-42 W.			
10- 4	L. J. Glasier	40.2	5- 7	K. S. Essex	61.0
11- 4	do	25.9	5-27	L. J. Glasier	201.0
11-15	K. S. Essex	60.0	6- 5	K. S. Essex	337.0
12- 7	L. J. Glasier	59.0	6-27	L. J. Glasier	10.5
12-20	K. S. Essex	46.6	7-17	Ender-Hanks	46.3
1- 2	L. J. Glasier	54.0	7-24	D. B. Ender	5.8
2- 3	do	68.0	8- 1	do	192.0
2-12	K. S. Essex	64.0	8-22	do	14.4
3- 3	L. J. Glasier	62.0	9- 5	Ender-Hanks	20.0
3-13	K. S. Essex	67.0	9-12	D. B. Ender	13.4
4- 2	L. J. Glasier	80.0	9-18	do	10.8
4- 9	K. S. Essex	62.0	9-25	do	78.3
4-29	L. J. Glasier	71.0			
		REPUBLICAN RIVER, SOUTH FORK			
		Benkelman—Sec. 31-1-37 W.			
10- 4	L. J. Glasier	2.0	5-27	L. J. Glasier	27.8
11- 4	do	17.7	6- 5	K. S. Essex	1740.0
11-15	K. S. Essex	1.0	6-27	L. J. Glasier	39.1
12- 7	L. J. Glasier	22.0	7-12	L. F. Hanks	13100.0
1- 3	do	12.0	7-17	Ender-Hanks	191.0
2- 3	do	62.0	7-23	D. B. Ender	106.0
2-12	K. S. Essex	54.0	7-31	do	637.0
3- 3	L. J. Glasier	60.0	8-21	do	101.0
3-12	K. S. Essex	35.8	9- 5	do	19.2
4- 3	L. J. Glasier	110.0	9-11	do	19.3
4- 9	K. S. Essex	49.8	9-17	do	12.8
4-29	L. J. Glasier	88.0	9-25	do	116.0
5- 8	K. S. Essex	41.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		REPUBLICAN RIVER			
		Max—Sec. 32-2-36 W.			
10- 4	L. J. Glasier	91.0	5- 8	K. S. Essex	148.0
11- 4	do	60.0	5-27	L. J. Glasier	100.0
11-15	K. S. Essex	46.0	6- 2	K. S. Essex	2730.0
12- 7	L. J. Glasier	108.0	6-27	L. J. Glasier	119.0
12-19	K. S. Essex	57.0	7-12	L. F. Hanks	12000.0
1- 3	L. J. Glasier	112.0	7-16	Hanks-Ender	430.0
2- 3	do	177.0	7-25	D. B. Ender	106.0
2-12	K. S. Essex	149.0	8-12	Ender-Hanks	813.0
3- 3	L. J. Glasier	165.0	8-21	D. B. Ender	231.0
3-13	K. S. Essex	88.0	9- 5	Ender-Hanks	60.5
4- 3	L. J. Glasier	281.0	9-11	D. B. Ender	52.0
4- 9	K. S. Essex	152.0	9-17	do	22.9
4-30	L. J. Glasier	1330.0	9-25	do	312.0
4-30	do	1150.0			
		REPUBLICAN RIVER			
		Culbertson—Secs. 17 and 20-3-31 W.			
10- 4	L. J. Glasier	93.0	4-30	L. J. Glasier	1180.0
11- 4	do	40.4	5-11	K. S. Essex	121.0
11-14	K. S. Essex	5.0	5-28	L. J. Glasier	74.0
12- 7	L. J. Glasier	100.0	6- 2	K. S. Essex	6940.0
12-11	K. S. Essex	114.0	6- 9	do	6000.0
1- 3	L. J. Glasier	145.0	6-27	L. J. Glasier	94.0
1-21	K. S. Essex	187.0	7-18	Ender-Hanks	383.0
2- 4	L. J. Glasier	200.0	7-26	D. B. Ender	139.0
2-11	K. S. Essex	167.0	8-21	do	268.0
3- 4	L. J. Glasier	151.0	9- 4	do	133.0
3-12	K. S. Essex	133.0	9-11	do	46.5
4- 3	L. J. Glasier	301.0	9-17	do	12.6
4- 8	K. S. Essex	153.0	9-24	do	547.0
4-30	L. J. Glasier	1650.0			
		REPUBLICAN RIVER			
		Bloomington—Sec. 8-1-15 W.			
10- 5	L. J. Glasier	379.0	6-12	Glasier-Essex	8880.0
11- 5	do	135.0	6-25	L. J. Glasier	1550.0
12- 6	do	330.0	7-22	D. B. Ender	923.0
1- 4	do	497.0	8-20	do	335.0
2- 5	do	870.0	9- 2	do	354.0
3- 5	do	560.0	9- 8	do	861.0
4- 5	do	610.0	9-15	do	411.0
5- 2	do	562.0	9-22	do	256.0
5-29	do	546.0	9-29	do	1020.0
6- 3	do	10900.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		REPUBLICAN RIVER			
		Hardy—6-1S.-5 W.			
10-14	L. J. Glasier	220.0	6- 3	L. J. Glasier	10200.0
11-14	do	55.4	6-11	K. S. Essex	14100.0
12-18	do	142.0	6-13	do	8660.0
1-18	do	242.0	6-25	L. J. Glasier	2740.0
2- 5	do	1040.0	7-29	L. F. Hanks	8750.0
3- 6	do	555.0	8-23	A. Ferrin	374.0
4- 5	do	651.0	9- 2	do	2750.0
5- 2	do	691.0	9- 9	D. B. Ender	1310.0
5-14	do	754.0	9-16	A. Ferrin	722.0
5-29	do	749.0	9-22	D. B. Ender	373.0
		ROCK CREEK			
		Parks—Sec. 21-1-39 W.			
10-16	K. S. Essex	15.5	5- 7	K. S. Essex	16.4
11-15	do	15.3	5-27	L. J. Glasier	13.1
12-19	do	18.8	6- 5	K. S. Essex	14.9
1- 3	L. J. Glasier	14.4	6-28	L. J. Glasier	13.8
2- 3	do	17.0	7-17	Ender-Hanks	13.9
2-12	K. S. Essex	14.4	7-24	D. B. Ender	13.3
3- 3	L. J. Glasier	15.3	8- 1	do	13.0
3-13	K. S. Essex	17.0	8-22	do	13.4
4- 3	L. J. Glasier	16.8	9-12	do	13.5
4- 9	K. S. Essex	13.1	9-18	do	12.4
4-29	L. J. Glasier	15.7	9-25	do	15.2
		ROCK CREEK			
		Beemer—Sec. 4-22-5 E.			
4-26	C. H. Carstens	8.5			
		ROCK CREEK			
		Greenwood—Sec. 35-12-8 E.			
4-25	C. H. Carstens	4.9	5-20	C. H. Carstens	4.6
		SALT CREEK			
		Ashland—West Line of Sec. 10-12-9 E.			
4-25	C. H. Carstens	52.3	5-20	C. H. Carstens	43.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SAND CREEK			
		Sec. 10-15-40 W.			
10- 9	Fred Hervert	3.7	7-18	Bauer-Kleen	2.2
11- 7	do	3.5	7-24	Melvin Kleen	2.9
1- 3	do	3.6	7-29	Ivan W. Bauer	3.5
2-18	do	3.8	8- 6	do	3.2
3-18	do	4.0	8-11	do	.5
4- 8	Ivan W. Bauer	3.7	8-15	Fred Hervert	3.3
4-15	do	.8	8-18	Ivan W. Bauer	3.6
4-29	do	2.5	8-26	Bauer-Hansen	4.2
5-29	do	3.7	9- 4	J. P. Hansen	3.5
6- 6	do	1.9	9-11	do	3.8
6-23	do	.7	9-18	do	2.9
7- 7	Bauer-Kleen	2.2	9-25	do	2.8
		SAND CREEK			
		Callaway—North Line of Sec. 12-15-23 W.			
10-10	C. H. Carstens	1.4	9- 9	C. H. Carstens	0.7
4-15	do	1.3			
		SAPPA CREEK			
		Beaver City—Sec. 14-1-23 W.			
10- 5	L. J. Glasier	0.8	6-26	L. J. Glasier	418.0
11- 5	do	.1	7-21	D. B. Ender	135.0
12- 6	do	.5	7-29	do	1620.0
1- 4	do	1.4	8-19	do	27.9
2- 4	do	16.4	9- 2	do	1090.0
3- 4	do	2.8	9- 8	do	81.1
4- 4	do	6.2	9-15	do	48.7
5- 1	do	6.9	9-22	do	54.6
5-29	do	7.3	9-30	do	57.6
		SARBEN SLOUGH			
		Sec. 20-14-35 W.			
10- 2	Fred Hervert	1.8	7-25	Melvin Kleen	2.4
11- 8	do	2.1	8- 6	Ivan W. Bauer	2.1
1-24	do	3.2	8-12	do	2.2
4- 9	Ivan W. Bauer	1.4	8-19	do	2.2
4-23	do	3.7	8-27	Bauer-Hansen	3.2
5- 8	do	4.0	9- 5	J. P. Hansen	2.0
6- 7	do	2.8	9-12	do	2.6
6-16	do	3.0	9-18	do	2.9
7- 8	Bauer-Kleen	3.1	9-24	do	4.8
		SCHLAGEL CREEK			
		Sec. 24-33-28 W.			
4-26	K. S. Essex	10.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SCOTTSBLUFF DRAIN NO. 1			
		Sec. 25-22-55 W.			
10- 2	H. P. Eisenhuth	9.4	3-18	C. H. Carstens	3.6
11- 7	C. H. Carstens	6.6	4-16	Fred Hervert	6.0
11-20	do	9.9	4-30	do	4.4
12- 3	do	6.9	5-23	do	6.1
1- 8	do	4.9	7- 3	K. S. Essex	5.7
1-23	do	5.7	7-22	do	4.7
2- 4	do	4.9	8- 6	do	9.7
2-18	do	5.0	9-10	Ivan W. Bauer	20.2
3- 6	do	4.3			
		SCOTTSBLUFF DRAIN NO. 2			
		Sec. 34-22-54 W.			
10-15	H. P. Eisenhuth	4.9	4-30	Fred Hervert	2.0
11-20	C. H. Carstens	2.6	5-23	do	5.2
2- 6	do	2.0	7- 3	K. S. Essex	10.2
2-18	do	1.7	7-22	do	10.1
3- 6	do	2.0	8-21	Ivan W. Bauer	8.6
3-18	do	1.3	9-16	do	24.4
4-16	Fred Hervert	3.2			
		SCOUT CREEK			
		North Platte—Sec. 20-14-30 W.			
10- 3	Fred Hervert	22.1	8- 6	Melvin Kleen	0.5
4- 7	Ivan W. Bauer	.2	8-21	do	4.1
5-29	do	5.0	8-28	do	11.1
6-17	do	5.1	9-13	do	11.8
6-28	do	15.2	9-18	do	1.1
7-19	Bauer-Kleen	1.8	9-25	do	10.5
		SHEEP CREEK			
		Sec. 16-23-57 W.			
10- 3	H. P. Eisenhuth	2.5	5- 1	Fred Hervert	46.3
11- 7	C. H. Carstens	1.2	5- 9	do	45.7
11-19	do	52.0	5-10	do	7.9
12- 3	do	54.0	5-22	do	5.8
1- 8	do	45.5	6-14	do	63.0
1-22	do	44.4	7-12	K. S. Essex	9.2
2- 5	do	48.9	7-29	do	9.6
2-19	do	44.0	8- 7	do	10.7
3- 5	do	47.8	8-22	Ivan W. Bauer	11.5
3-19	do	43.9	9-11	do	10.3
4- 5	Fred Hervert	41.9	9-25	do	71.3
4-17	do	45.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SHELL CREEK			
		Platte Center—Sec. 13-18-2 W.			
4-24	C. H. Carstens	19.2			
		SHELL CREEK			
		Schuyler—South Line of Sec. 1-17-3 E.			
10-18	C. H. Carstens	11.6	9-24	C. H. Carstens	17.1
4-24	do	80.4			
		SILVER CREEK			
		Silver Creek—Sec. 33-16-3 W.			
4-24	C. H. Carstens	1.5	9-24	C. H. Carstens	1.0
		SILVER CREEK			
		Ithaca—South Line of Sec. 1-13-8 E.			
4-25	C. H. Carstens	2.7	5-20	C. H. Carstens	0.7
		SILVERNAIL DRAIN			
		Sec. 6-19-49 W.			
10- 8	Fred Hervert	3.0	6-27	K. S. Essex	2.3
1- 2	do	2.7	7-24	do	7.4
2- 1	do	2.3	8-29	J. P. Hansen	5.5
3-17	do	3.2	9- 8	do	7.2
5- 7	do	1.5	9-15	do	5.7
5-23	do	2.6	9-22	do	7.5
6- 3	do	4.4	9-30	do	7.1
		SKUNK CREEK			
		Sec. 1-14-37 W.			
4-23	Ivan W. Bauer	2.6	7-29	Ivan W. Bauer	2.2
5- 8	do	2.9	8-19	do	2.4
6-16	do	2.0			
		SNAKE RIVER			
		Five Miles above Falls—Sec. 29-31-30 W.			
10-29	K. S. Essex	227.6	5-21	K. S. Essex	212.5
12-27	do	248.9	9-10	do	240.2
3-31	do	280.2			
		SOLDIER CREEK			
		Above Fort Robinson Reservoir			
5-27	K. S. Essex	2.3	9-17	K. S. Essex	1.7

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SOW BELLY CREEK			
		Sec. 5-32-55 W.			
11- 4	K. S. Essex	0.1	9-17	K. S. Essex	1.2
5-24	do	.2			
		SPOTTED TAIL CREEK, DRY			
		Sec. 28-23-56 W.			
10- 3	H. P. Eisenhuth	13.8	4-16	Fred Hervert	12.5
11- 7	C. H. Carstens	7.4	4-30	do	13.6
11-20	do	5.4	5-17	do	22.8
12- 3	do	5.5	5-31	do	10.9
1- 8	do	14.4	7-12	K. S. Essex	4.6
1-22	do	12.7	7-30	do	14.8
2- 5	do	14.4	8-21	Ivan W. Bauer	19.5
2-18	do	14.0	9- 5	do	21.9
3- 4	do	14.9	9-18	do	18.5
3-19	do	13.6			
		SPOTTED TAIL CREEK, WET			
		Sec. 6-22-55 W.			
10- 2	H. P. Eisenhuth	15.7	4-30	Fred Hervert	9.5
10-15	do	14.0	5-17	do	9.5
11- 7	C. H. Carstens	12.2	5-31	do	11.0
11-20	do	12.5	7- 3	K. S. Essex	17.2
1- 8	do	14.9	7- 8	do	1.8
1-23	do	14.3	7-23	do	10.8
2- 6	do	13.5	8- 5	do	11.9
2-18	do	11.0	8-19	do	14.9
3- 4	do	10.7	9- 5	Ivan W. Bauer	10.0
3-20	do	9.8	9-18	do	12.0
4-16	Fred Hervert	10.3			
		SPRING CREEK			
		Wyoming-Nebraska Line—Sec. 4-23-58 W.			
11- 8	C. H. Carstens	8.2	3-19	C. H. Carstens	6.9
11-19	do	7.9	4-17	Fred Hervert	9.0
12- 2	do	7.9	5- 1	do	9.2
1- 7	do	7.4	5-16	do	9.3
1-22	do	8.4	8- 2	K. S. Essex	8.5
2- 5	do	7.3	9-12	Ivan W. Bauer	14.1
2-19	do	8.2	9-19	do	13.4
3- 5	do	7.8			
		SPRING CREEK			
		Tributary to Little Cottonwood Creek—Sec. 13-32-52 W.			
10-31	K. S. Essex	0.1	1-31	K. S. Essex	0.5
11-30	do	.2	3- 3	do	.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SPRING CREEK			
		Sumter—Sec. 21-19-13 W.			
10-11	C. H. Carstens	5.8	7- 8	C. H. Carstens	0.4
4-16	do	.4	8-13	do	.3
5-12	do	.4			
		SPRING CREEK			
		Near Cushing—Sec. 8-15-9 W.			
7-21	C. H. Carstens	2.6			
		SQUAW CREEK			
		Above McDowell's Reservoir—Sec. 12-31-52 W.			
11-30	K. S. Essex	0.0	4-22	K. S. Essex	0 2
3-27	do	.2			
		SQUAW CREEK			
		Below McDowell's Reservoir—Sec. 1-31-52 W.			
11-30	K. S. Essex	0.1	4-22	K. S. Essex	0.2
3-27	do	.1	5-27	do	.1
		STINKING WATER CREEK			
		North of Wauneta—Sec. 7-6-35 W.			
10-10	K. S. Essex	17.8	6- 4	K. S. Essex	20.1
11-12	do	19.2	7-25	D. B. Ender	8.9
12-12	do	23.8	8- 4	do	8.3
1-20	do	25.2	8-25	do	10.4
2-11	do	26.9	9-13	do	9.5
3-11	do	28.0	9-19	do	11.0
4-10	do	23.1	9-26	do	25.2
5-10	do	31.3			
		STINKING WATER CREEK			
		Stinking Water Dam Site—Sec. 21-6-35 W.			
1-20	K. S. Essex	25.1	6- 4	Essex-Gerlach	23.0
		STINKING WATER CREEK			
		Palisade—Sec. 25-5-34 W.			
12-12	K. S. Essex	34.3	3-11	K. S. Essex	41.0
1-20	do	46.4	5-10	do	41.9
2-11	do	37.1	6- 7	Essex-Gerlach	44.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		STREVER CREEK			
		South of Overton—Sec. 1-8-20 W.			
10- 5	Fred Hervert	33.9	6-20	Ivan W. Bauer	16.3
10-12	do	29.8	6-30	do	24.0
10-30	do	9.4	7-14	Bauer-Kleen	35.1
12- 7	do	1.8	7-21	do	19.4
1- 9	do	3.5	8- 2	Melvin Kleen	6.8
2- 6	do	4.9	8-16	do	.1
3- 7	do	5.8	8-23	do	1.0
3-21	do	4.9	8-30	do	16.1
4-14	Ivan W. Bauer	6.8	9- 4	do	30.9
4-17	do	5.4	9-11	do	3.3
5-21	do	18.9	9-20	do	9.8
6- 5	do	38.6	9-27	do	37.2
6-11	do	26.6			
		TRUNK BUTTE CREEK			
		Sec. 25-33-50 W.			
12- 2	K. S. Essex	0.0			
		TUB SPRINGS			
		Above Enterprise Canal—Sec. 33-23-55 W.			
4-30	Fred Hervert	21.0	7-25	Essex-Bauer	20.5
5-17	do	23.2	8-16	Ivan W. Bauer	23.9
6- 7	do	28.0	9- 9	do	26.0
7- 2	K. S. Essex	26.0	9-18	do	26.2
		TUB SPRINGS			
		Below Enterprise Canal—Sec. 32-23-55 W.			
4-30	Fred Hervert	16.8	8- 5	K. S. Essex	1.2
5-17	do	1.1	8-16	Ivan W. Bauer	1.7
6- 7	do	24.3	9- 9	do	24.6
7- 2	K. S. Essex	23.2	9-18	do	52.3
7-23	do	1.5			
		TUB SPRINGS			
		Sec. 8-22-55 W.			
10-15	H. P. Eisenhuth	36.9	2-18	C. H. Carstens	23.3
11- 7	C. H. Carstens	32.1	3- 4	do	25.9
11-20	do	30.8	3-20	do	21.1
12- 3	do	29.4	4-16	Fred Hervert	21.8
1- 8	do	25.1	4-30	do	19.7
1-23	do	24.9	5-17	do	3.2
2- 6	do	24.6	6- 7	do	28.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		TURTLE CREEK			
		Above Taylor-Ord Canal Spill—Sec. 35-20-15 W.			
8-13	C. H. Carstens	0.0			
		TURTLE CREEK			
		Elyria—Sec. 31-20-14 W.			
10-11	C. H. Carstens	8.0	5-12	C. H. Carstens	1.0
4-11	do	1.8			
		TURKEY CREEK			
		Dannebrog—West Line of Sec. 26-14-11 W.			
6-18	C. H. Carstens	0.0	8-11	C. H. Carstens	0.0
7-11	do	.0			
		UNION CREEK			
		Stanton—West Line of Sec. 1-22-1 E.			
4-26	C. H. Carstens	30.7	9-24	C. H. Carstens	20.0
		VERDIGRIS CREEK			
		Niobrara—Sec. 5-31-6 W.			
9-25	C. H. Carstens	26.5			
		VICTORIA CREEK			
		Gates—East Line of Sec. 2-19-21 W.			
10-10	C. H. Carstens	4.6	6- 3	C. H. Carstens	5.1
4-15	do	5.5	9-10	do	4.3
		VICTORIA CREEK			
		Below McGraw Dam—Sec. 6-19-20 W.			
9-10	C. H. Carstens	0.2			
		WAGNER CREEK			
		Comstock—East Line of Sec. 4-18-17 W.			
5-13	C. H. Carstens	0.2			
		WAHOO CREEK			
		Ashland—West Line of Sec. 36-13-9 E.			
4-25	C. H. Carstens	27.6	5-20	C. H. Carstens	19.1
		WARBONNET CREEK			
		Below Warbonnet Canal—Sec. 20-33-56 W.			
5-24	Essex-Rasmussen	0.2	9-17	K. S. Essex	0.0
		WHISTLE CREEK			
		Mouth—Sec. 12-28-54 W.			
11- 6	K. S. Essex	0.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		WHITE CLAY CREEK			
		Crawford—Sec. 2-31-52 W.			
11-30	K. S. Essex	0.9	4-22	K. S. Essex	3.1
3-27	do	3.3			
		WHITE CLAY CREEK			
		Above Junction with Larabee Creek—Sec. 6-34-44 W.			
10-30	K. S. Essex	0.8	3-28	K. S. Essex	2.1
12- 4	do	1.6	4-25	do	3.5
12-28	do	2.6	5-22	do	3.7
2-26	do	3.4	9- 9	do	2.4
		WHITE HORSE CREEK			
		Gannett—Sec. 5-13-29 W.			
10- 4	Fred Hervert	1.8	6-11	Ivan W. Bauer	14.8
1- 5	do	9.9	6-27	do	5.3
2- 7	do	24.8	7-10	Bauer-Kleen	1.2
3-20	do	18.2	8- 5	Melvin Kleen	4.5
4- 7	Ivan W. Bauer	19.3	8-26	do	1.9
4-14	do	27.8	9- 2	do	1.7
4-24	do	19.0	9-17	do	1.4
5- 5	do	17.2	9-24	do	11.8
5-16	do	11.6			
		WHITE RIVER			
		Crawford—Sec. 9-31-52 W.			
10-31	K. S. Essex	16.2	3-26	K. S. Essex	22.5
11-30	do	17.9	4-22	do	24.2
12-31	do	19.6	5-23	do	17 2
1-31	do	22.1	9-12	do	10.7
3- 3	do	21.1			
		WHITE RIVER			
		Above Whitney Diversion—Sec. 26-32-52 W.			
10-31	K. S. Essex	6.2	3- 3	K. S. Essex	20.7
11-30	do	15.2	3-26	do	26.5
12-31	do	22.0	4-22	do	23.2
1-31	do	18.0	9-12	do	14.6
		WHITE RIVER			
		Sec. 19-32-51 W.			
10-31	K. S. Essex	1.0	3-26	K. S. Essex	1.4
11-30	do	1.3	4-22	do	.6
12-31	do	1.0	5-27	do	.2
1-31	do	1.3	9-12	do	.3
3- 3	do	.9			

DISCHARGE MEASUREMENTS OF STREAMS—Concluded
Year Ending September 30, 1941

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		WHITE RIVER			
		Six Miles West of Chadron—Sec. 18-33-49 W.			
10-31	K. S. Essex	1.1	4-22	K. S. Essex	14.6
11-30	do	3.1	5-23	do	1.5
1-31	do	.9	8-30	do	2.0
3- 3	do	4.0	9-12	do	1.9
		WHITE TAIL CREEK			
		Sec. 36-15-38 W.			
10- 2	Fred Hervert	25.9	7- 7	Bauer-Kleen	23.0
11- 8	do	26.2	7-18	do	26.8
12-10	do	27.2	7-24	Melvin Kleen	22.3
1- 4	do	26.0	7-29	Ivan W. Bauer	25.1
2- 4	do	28.5	8- 6	do	24.3
3- 4	do	27.1	8-12	do	25.1
3-18	do	27.9	8-19	do	28.1
4- 8	Ivan W. Bauer	25.2	8-26	Bauer-Hansen	25.6
4-16	do	26.8	9- 5	J. P. Hansen	27.9
4-29	do	29.8	9-11	do	23.1
5-19	do	28.7	9-18	do	23.1
6- 6	do	28.6	9-25	do	23.6
6-23	do	27.2			
		WINTERS CREEK			
		Scottsbluff—Sec. 30-22-54 W.			
10- 2	H. P. Eisenhuth	65.0	4-16	Fred Hervert	39.4
10-15	do	45.8	4-30	do	38.5
11- 7	C. H. Carstens	39.6	5- 8	do	46.3
11-20	do	38.8	5-23	do	10.7
12- 3	do	35.3	6-14	do	81.0
1- 8	do	40.7	7- 8	K. S. Essex	28.3
1-23	do	42.2	7-22	do	22.7
2- 4	do	41.5	8- 6	do	16.6
2-18	do	41.0	8-15	Ivan W. Bauer	20.2
3- 6	do	38.3	9-10	do	52.9
3-18	do	37.9	9-18	do	43.8
4- 4	Fred Hervert	39.0			
		WOOD RIVER			
		Grand Island—Sec. 27-11-9 W.			
6-25	C. H. Carstens	191.0	9- 8	C. H. Carstens	3.2
7-17	do	55.4	9-22	do	.0

DISCHARGE MEASUREMENTS OF STREAMS
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		ALLIANCE DRAIN			
		Above Tri-State—Sec. 18-22-53 W.			
7-10	J. P. Hansen	16.8	8-21	J. P. Hansen	23.1
		ANNE CREEK, BIG			
		Near Carns—East Line Sec. 32-33-17 W.			
9-10	D. E. Olson	0.1			
		ANTELOPE CREEK			
		Below D-537—Sec. 26-34-57 W.			
4-14	Hilpert-Rasmussen	0.0			
		AOWA CREEK			
		Ponca—East Line of Sec. 21-30-6 E.			
9-23	D. E. Olson	0.1			
		AOWA CREEK			
		Ponca—East Line of Sec. 22-20-6 E.			
9-23	D. E. Olson	10.2			
		APPLEGATE DRAIN			
		Sec. 31-13-33 W.			
10- 2	Melvin Kleen	35.6	4-23	E. S. Kimmel	46.5
10-18	do	36.6	5-29	do	37.0
11- 5	do	42.0	6-12	do	36.4
12- 3	do	40.0	7- 2	do	40.2
2-25	do	39.3	7-30	do	32.0
3-16	do	56.9	8-12	do	25.6
4-10	E. S. Kimmel	25.3	8-26	do	27.7
4-16	do	20.5	9-16	do	44.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		ARIKAREE RIVER			
		Haigler—Sec. 28-1-41 W.			
10- 3	D. B. Ender	20.3	4- 3	D. B. Ender	11.7
10-10	do	15.3	4-17	do	5.6
10-18	do	10.3	4-24	do	44.8
10-24	do	42.6	4-29	do	18.7
10-31	do	26.4	5- 7	do	21.6
11- 7	do	16.7	5-15	do	7.4
11-20	do	8.9	5-21	do	17.8
11-25	do	14.3	5-29	Ender-Burns	.7
12- 4	do	18.0	6- 3	D. B. Ender	.7
12-18	do	30.7	6-12	do	56.3
12-24	do	3.8	6-19	do	20.4
1- 3	do	1.0	6-25	do	40.4
1-13	do	2.2	7- 2	do	1.0
1-23	do	30.5	7- 9	do	4.2
1-30	do	32.0	7-15	do	.4
2- 6	do	42.8	7-23	do	5.1
2-11	do	10.7	7-30	do	1.5
2-20	do	6.5	8- 6	do	13.9
2-27	do	17.7	8-13	do	11.2
3- 7	do	43.7	8-20	do	3.3
3-13	do	5370.0	8-28	do	1.6
3-16	do	207.0	9- 2	do	7.4
3-18	do	53.2	9-11	do	5.2
3-21	do	38.0	9-25	do	15.6
3-26	do	20.2			
		ASH CANYON CREEK			
		Near Ansley—Sec. 22-16-17 W.			
8-26	D. E. Olson	0.0			
		ASH CREEK			
		Near Mariaville—West Line of Sec. 4-32-17 W.			
6- 3	D. E. Olson	11.0	9-10	D. E. Olson	8.9
		ASH CREEK			
		Near Fullerton—Sec. 19-17-6 W.			
9- 5	D. E. Olson	0.0			
		ASH CREEK			
		Whitney—Sec. 7-32-50 W.			
10-15	K. S. Essex	0.5	7- 6	A. C. Hilpert	3.2
11-21	Ivan W. Bauer	2.1	7-18	do	19.7
3- 6	A. C. Hilpert	.9	8- 8	do	1.5
4- 3	do	1.9	8-22	do	.4
5-23	do	14.3	9- 8	do	.4
6-13	do	7.9	9-21	do	1.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		ASH CREEK, EAST			
		Above Barron Canal—Sec. 32-32-50 W.			
10-15	K. S. Essex	1.3	7- 6	A. C. Hilpert	2.7
2-24	Hilpert-Rasmussen	2.3	7-18	do	1.6
3- 4	A. C. Hilpert	2.2	8- 8	do	1.0
4- 3	do	2.5	8-22	do	.9
5-23	do	6.4	9-21	do	1.5
6-13	do	3.8			
		ASH CREEK, WEST			
		Sec. 36-32-51 W.			
5-23	A. C. Hilpert	4.2	7- 6	A. C. Hilpert	1.5
6-13	do	3.6	8-22	do	.2
		BALD DRAIN			
		Sec. 32-23-56 W.			
10- 9	Ivan W. Bauer	4.7	5-27	J. P. Hansen	2.5
11-28	J. P. Hansen	4.4	6- 6	do	17.1
2- 3	do	1.8	6-12	do	16.5
3-12	do	1.6	6-18	do	12.7
4- 8	do	.8	7-18	do	5.3
4-15	do	1.2	8-14	do	10.4
4-22	do	1.5	8-28	do	8.8
5- 5	do	4.3	9- 3	do	13.6
5-20	do	4.1			
		BASIN CREEK			
		Near Naper—South Line of Sec. 15-34-15 W.			
9-10	D. E. Olson	0.0			
		BAYARD SUGAR FACTORY DRAIN			
		West Line of Sec. 4-20-52 W.			
10- 7	Ivan W. Bauer	39.2	5-11	J. P. Hansen	44.6
10-14	do	37.7	5-18	do	41.2
11-24	J. P. Hansen	28.7	5-25	do	35.7
12-13	do	35.0	6- 1	do	30.2
12-22	do	28.3	6- 9	do	41.4
1- 7	do	24.0	6-15	do	38.3
2- 5	do	30.8	7- 8	do	4.6
2-17	do	25.2	7-13	do	9.8
3- 5	do	28.5	7-28	do	36.9
3-11	do	27.9	8-11	do	42.9
3-31	E. S. Kimmel	27.7	8-22	do	41.2
4- 6	J. P. Hansen	25.5	8-31	do	38.9
4-14	do	25.0	9-11	do	44.9
4-21	do	25.8	9-19	do	53.6
5- 8	do	34.8	9-29	do	56.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BAZILLE CREEK			
		Niobrara—Sec. 18-32-5 W.			
6- 5	D. E. Olson	64.4	9-12	D. E. Olson	27.1
		BEAN CREEK			
		Elyria—Sec. 10-20-15 W.			
8-20	D. E. Olson	1.1			
		BEAR CREEK			
		Over Dam, A-3321—NW¼ Sec. 16-34-37 W.			
11-24	Ivan W. Bauer	2.6	7- 1	A. C. Hilpert	2.6
2-16	A. C. Hilpert	1.5	7-27	do	3.7
3-12	do	9.1	8-12	do	.9
4- 8	do	4.7	8-29	do	.9
5- 4	do	46.8	9-12	do	1.4
5-21	do	12.3	9-28	do	2.2
6-12	do	5.5			
		BEAR CREEK			
		Passing Fish and Game Commission Dam, A-2898—Sec. 16-34-37 W.			
11-24	Ivan W. Bauer	3.6	7- 1	A. C. Hilpert	4.1
2-16	A. C. Hilpert	.0	7-27	do	2.4
3-12	do	6.3	8-29	do	.9
4- 8	do	13.4	9-12	do	1.3
6-12	do	12.6	9-28	do	1.8
		BEAR CREEK			
		Bypass, First Earth Dam—NW¼ Sec. 15-34-37 W.			
3-12	A. C. Hilpert	6.9	6-12	A. C. Hilpert	13.0
4- 8	do	13.8	7- 1	do	4.0
		BEAR CREEK			
		300 Feet Downstream from First Earth Dam—Sec. 15-34-37 W.			
3-12	A. C. Hilpert	6.1	7- 1	A. C. Hilpert	4.2
4- 8	do	12.5	7-27	do	.9
5-21	do	.0			
		BEAR CREEK			
		Passing Second Earth Dam—NW Corner of NE¼ Sec. 15-34-37 W.			
3-12	A. C. Hilpert	7.6	4- 8	A. C. Hilpert	17.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BEAR CREEK			
		Passing Cole Dam No. 1, A-2254—SW¼ NE¼ Sec. 14-34-37 W.			
3-12	A. C. Hilpert	7.2	7-27	A. C. Hilpert	2.6
4- 8	do	16.5	8-12	do	.9
5- 4	do	150.8	8-29	do	.4
6-12	do	10.7	9-12	do	.8
7- 1	do	3.7	9-28	do	1.9
		BEAR CREEK			
		Eli—Sec. 25-34-36 W.			
10-17	K. S. Essex	1.6	6-12	A. C. Hilpert	20.6
11-24	Ivan W. Bauer	5.6	6-29	do	12.4
2-16	A. C. Hilpert	1.5	7-23	do	4.2
3-12	do	9.0	8-10	do	3.4
4- 6	do	18.4	8-27	do	2.0
5- 4	do	177.2	9-11	do	2.2
5-21	do	83.3	9-25	do	4.8
		BEAVER CREEK			
		Near Ravenna—South Line of Sec. 34-13-14 W.			
9-29	D. E. Olson	0.0			
		BEAVER CREEK			
		Beaver City—Sec. 23-2-23 W.			
10- 7	D. B. Ender	19.5	3-31	D. B. Ender	21.4
10-13	Hanks-Ender	12.4	4-14	do	16.2
10-21	D. B. Ender	9.3	4-22	do	342.0
10-29	do	39.2	4-28	do	71.5
11- 4	do	14.0	5- 6	do	87.6
11-17	do	10.1	5-12	do	37.3
12- 1	do	14.2	5-26	Ender-Burns	25.6
12-15	do	13.1	6- 9	D. B. Ender	106.0
12-23	do	11.5	6-14	do	1050.0
1- 8	do	4.1	6-16	do	787.0
1-20	do	5.9	6-23	do	114.0
1-28	do	9.0	7- 7	do	43.1
2- 3	do	14.0	7-21	do	24.4
2-18	do	7.6	8-11	do	126.0
2-24	do	16.5	8-18	do	65.6
3- 3	do	11.5	9- 1	do	10.7
3-10	do	24.1	9-15	do	17.2
3-20	do	20.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BEAVER CREEK			
		Albion—Sec. 15-20-6 W.			
6- 1	D. E. Olson	58.4	9- 7	D. E. Olson	67.9
		BEAVER CREEK			
		Genoa—Sec. 14-17-4 W.			
10-14	A. J. Ferrin	79.3	5-22	Loup River Power Co.	112.0
10-30	do	67.8	6- 2	C. H. Carstens	448.0
11-25	do	60.6	6- 3	do	123.0
12- 9	Burns-Ferrin	89.5	6-15	Loup River Power Co.	131.0
12-22	C. V. Burns	87.1	6-22	C. V. Burns	1600.0
1- 8	Bolon-Burns	46.0	6-23	do	1190.0
1-20	C. V. Burns	96.3	7- 3	Loup River Power Co.	259.0
2- 3	A. J. Ferrin	63.0	7-14	C. V. Burns	78.3
2-24	do	58.4	7-24	Loup River Power Co.	51.3
3-18	Olson-Hanks	115.6	8- 3	C. V. Burns	65.8
3-23	Loup River Power Co.	86.0	8-14	Loup River Power Co.	62.4
3-31	D. E. Olson	124.0	8-24	C. V. Burns	50.1
4-10	Loup River Power Co.	88.8	9- 4	Loup River Power Co.	684.0
4-21	C. V. Burns	79.6	9-10	C. V. Burns	127.0
5- 1	Loup River Power Co.	67.1	9-22	do	77.0
5-12	C. V. Burns	104.0	9-28	Loup River Power Co.	71.7
		BEAVER CREEK			
		Near Beaver Crossing—Sec. 32-10-1 E.			
4-19	D. E. Olson	4.8			
		BEEMAN CREEK			
		Near Riverview—Sec. 23-32-20 W.			
9- 9	D. E. Olson	0.1			
		BELL CREEK			
		Arlington—West Line of Sec. 7-17-10 E.			
9-24	D. E. Olson	0.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BELMAR CREEK			
		Neligh—Sec. 21-25-6 W.			
9- 8	D. E. Olson	0.1			
		BINGHAM CREEK			
		Near Niobrara—Sec. 30-32-6 W.			
9-12	D. E. Olson	0.0			
		BIRDWOOD CREEK			
		Hershey—Sec. 2-14-33 W.			
10- 3	J. P. Hansen	139	5- 9	E. S. Kimmel	175
10-16	do	154	5-14	do	203
10-24	do	132	5-22	do	171
10-29	do	146	5-28	do	139
11- 5	do	156	6- 5	do	159
11-14	Melvin Kleen	153	6-12	do	170
11-24	do	160	6-19	do	145
12- 3	do	159	6-26	do	157
12-23	do	149	7- 3	do	149
1-10	do	136	7-30	do	145
2- 4	Bauer-Hilpert	176	8- 6	do	140
2-12	Melvin Kleen	152	8-13	do	187
2-24	do	137	8-20	do	132
3- 3	do	164	8-27	do	136
3-12	do	166	9- 2	do	671
3-31	do	157	9-10	do	139
4- 9	E. S. Kimmel	152	9-16	do	141
4-16	do	149	9-24	do	144
4-24	do	252			
		BLACKWOOD CREEK			
		East of Culbertson—Sec. 15-3-31 W.			
5-20	D. B. Ender	1.0	7-28	D. B. Ender	0.7
		BLOODY RUN CREEK			
		Hazard—West Line of Sec. 26-13-16 W.			
8-25	D. E. Olson	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BLUE CREEK			
		Lewellen—Sec. 30-16-42 W.			
10- 2	J. P. Hansen	59.4	5- 6	E. S. Kimmel	156.0
10-15	do	67.8	5-14	do	249.0
10-21	do	78.9	5-19	do	110.0
10-28	do	93.7	5-26	do	108.0
11- 7	do	87.2	6- 2	do	107.0
11-10	Melvin Kleen	94.5	6-10	do	112.0
11-17	do	90.6	6-16	do	98.0
11-25	do	97.6	6-23	do	113.0
12- 4	do	93.7	6-30	do	96.8
12-15	do	90.2	7-14	do	14.0
1- 9	do	89.3	7-23	do	2.7
2- 3	Bauer-Hilpert	93.7	7-28	do	2.2
2-13	J. P. Hansen	97.0	8- 3	do	.8
3- 2	do	99.4	8-10	do	2.1
3-10	do	102.0	8-17	do	2.7
3-21	Melvin Kleen	101.0	8-24	do	.8
4- 4	do	89.2	8-31	do	1.3
4- 7	E. S. Kimmel	96.6	9- 8	do	13.7
4-14	do	91.0	9-14	do	14.7
4-21	do	115.0	9-21	do	27.5
4-29	do	105.0	9-29	do	52.2
		BLUE RIVER, BIG, WEST FORK			
		Near Beaver Crossing—Sec. 32-10-1 E.			
4-19	D. E. Olson	52.0			
		BLUE RIVER, BIG			
		Seward—Sec. 17-11-3 E.			
4-19	D. E. Olson	8.0			
		BLUE RIVER, BIG			
		Barnston—Sec. 13-1-7 E.			
10- 7	L. F. Hanks	9640	3-31	C. V. Burns	647
10- 8	A. J. Ferrin	3920	4-15	D. D. Lewis	217
10- 9	do	1550	4-30	C. V. Burns	200
10-22	L. F. Hanks	4020	5-13	C. H. Carstens	8460
11-18	do	279	5-29	do	263
12- 1	A. J. Ferrin	596	6-12	C. V. Burns	633
12-17	C. V. Burns	223	6-30	do	2200
12-26	do	890	7-20	do	215
1-13	A. J. Ferrin	252	7-29	do	199
1-27	do	1270	8-14	do	903
2-12	do	227	8-22	do	263
2-24	C. V. Burns	205	9- 2	do	205
3-10	A. J. Ferrin	1260	9-24	do	282
3-26	C. V. Burns	6600			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BLUE RIVER, LITTLE			
		Endicott—Sec. 5-1-3 E.			
10- 8	A. J. Ferrin	559	3-31	C. V. Burns	213
10-22	L. F. Hanks	183	4-14	D. D. Lewis	152
11- 3	Hanks-Burns	183	4-30	C. V. Burns	209
11-24	Burns-Hanks	329	5-29	C. H. Carstens	223
12- 1	A. J. Ferrin	211	6-12	C. V. Burns	343
12-16	C. V. Burns	161	6-30	do	960
12-26	do	321	7-20	do	159
1- 5	do	144	7-29	do	128
1-13	A. J. Ferrin	154	8-14	do	177
1-27	do	435	8-28	Lewis-Hanks	10300
2-12	do	174	8-29	Burns-Hanks	4860
2-24	C. V. Burns	172	9- 2	C. V. Burns	359
3-10	A. J. Ferrin	162	9- 7	Hanks-Lewis	3170
3-26	C. V. Burns	999	9-23	C. V. Burns	261
		BOGGY CREEK			
		Below Wickersham Diversion Dam—Sec. 31-33-54 W.			
11-17	Ivan W. Bauer	0.0	7- 7	A. C. Hilpert	0.6
2-20	Hilpert-Rasmussen	.0	7-21	do	.6
3- 9	A. C. Hilpert	.0	8- 5	do	.6
4-14	do	.0	8-24	do	.2
5-27	Hilpert-Rasmussen	.0	9- 9	do	.1
6-16	A. C. Hilpert	1.4	9-22	do	.3
		BORDEAUX CREEK, BIG			
		Below Thomas Canal—Sec. 34-34-48 W.			
11-21	Ivan W. Bauer	5.4	6-27	A. C. Hilpert	10.3
2-19	A. C. Hilpert	6.0	7-17	do	6.8
3- 4	do	6.8	8- 4	do	6.5
4- 3	do	6.3	8-21	do	3.1
4-29	do	9.4	9- 8	do	4.1
5-22	do	16.8	9-21	do	5.3
6- 9	do	11.9			
		BORDEAUX CREEK, BIG			
		Chadron—Sec. 14-33-48 W.			
11-21	Ivan W. Bauer	2.9	6-27	A. C. Hilpert	5.2
2-19	A. C. Hilpert	2.7	7-17	do	3.6
3- 4	do	2.5	8- 4	do	3.5
4- 3	do	3.6	8-21	do	2.3
4-29	do	3.2	9- 8	do	1.0
5-22	do	9.1	9-21	do	2.5
6- 9	do	5.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BORDEAUX CREEK, LITTLE			
		Below Hartzell Canal—Sec. 13-33-48 W.			
11-21	Ivan W. Bauer	2.1	6-27	A. C. Hilpert	5.6
2-19	A. C. Hilpert	3.4	7-17	do	2.6
3- 4	do	3.1	8- 4	do	3.5
4- 3	do	2.5	8-21	do	2.2
4-29	do	4.8	9- 8	do	2.3
5-22	do	7.6	9-21	do	1.5
6- 9	do	5.5			
		BOW CREEK			
		Wynot—Sec. 11-32-2 E.			
6- 5	D. E. Olson	23.0	9-23	D. E. Olson	21.7
		BOW VALLEY CREEK			
		Wynot—South Line of Sec. 16-32-2 E.			
9-23	D. E. Olson	0.4			
		BROWN CREEK			
		Loup City—East Line of Sec. 25-15-15 W.			
8-18	D. E. Olson	0.2			
		BRUSH CREEK			
		Near Butte—Sec. 23-33-13 W.			
6- 4	D. E. Olson	22.0	9-11	D. E. Olson	9.8
		BUFFALO CREEK			
		Haigler—Sec. 20-1-40 W.			
10- 3	D. B. Ender	9.8	3-17	D. B. Ender	10.9
10- 9	do	9.5	4- 3	do	10.3
10-24	do	9.1	4-16	do	9.5
10-31	do	9.0	4-29	do	11.0
11- 7	do	8.9	5-15	do	10.5
11-20	do	9.7	5-29	Ender-Burns	9.7
12- 4	do	10.1	6-12	D. B. Ender	11.7
12-18	do	10.7	7- 2	do	8.9
1- 3	do	10.1	7-23	do	5.6
1-12	do	9.0	8- 6	do	14.3
1-23	do	11.8	8-19	do	3.1
2- 6	do	12.0	9- 2	do	23.4
2-20	do	14.7	9-11	do	11.1
2-27	do	9.3	9-25	do	10.3
3- 7	do	13.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		BUFFALO CREEK			
		Meadow Grove—South Line of Sec. 24-24-4 W.			
9- 8	D. E. Olson	0.2			
		BUFFALO CREEK			
		Elm Creek—Sec. 33-9-18 W.			
10- 6	Melvin Kleen	103.6	5-19	Melvin Kleen	3.7
10-13	do	16.7	5-25	do	3.6
10-21	do	34.8	6- 3	do	63.5
11- 1	do	13.7	6-12	do	8.5
11-12	do	10.8	6-23	do	112.3
11-20	do	5.2	7- 7	do	15.1
12- 1	do	2.8	7-15	do	9.2
12-12	do	3.8	7-24	do	13.4
1-13	do	.8	7-30	do	.7
2- 6	Bauer-Hilpert	2.8	8- 7	do	.2
2-14	Melvin Kleen	2.4	8-17	do	70.4
2-27	do	2.7	8-22	do	65.2
3- 9	do	35.4	8-31	do	18.6
3-18	do	3.8	9- 8	do	27.7
3-28	do	3.4	9-14	do	27.9
4- 9	do	2.5	9-21	do	9.7
4-22	do	3.3	9-28	do	7.9
5- 6	do	5.4			
		BULL DRAIN			
		Maxwell—Sec. 19-13-28 W.			
10- 2	Melvin Kleen	0.9	4-15	Melvin Kleen	1.2
10-17	do	.8	5-27	do	1.0
11-15	do	1.0	6-16	do	1.1
12- 5	do	.9	7- 9	do	1.0
1-17	do	1.5	8- 6	do	.8
2-28	do	.6	9-12	do	1.2
		BURGESS CREEK			
		Near Niobrara—Sec. 20-32-6 W.			
9-12	D. E. Olson	0.0			
		BUTTERFLY CREEK			
		Stanton—North Line of Sec. 5-22-2 E.			
9-22	D. E. Olson	0.0			
		CACHE CREEK			
		Ewing—Sec. 13-26-9 W.			
9- 8	D. E. Olson	12.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		CALAMUS RIVER			
		Harrop—Sec. 22-23-18 W.			
5-12	D. E. Olson	245	7- 6	D. E. Olson	180
5-20	do	217	8-14	do	203
6-15	do	173	9-16	do	191
		CALAMUS RIVER			
		Burwell—East Line of Sec. 8-21-16 W.			
10-14	C. H. Carstens	248	5- 1	D. E. Olson	305
10-15	A. J. Ferrin	239	5- 7	do	348
10-29	Bolon-Ferrin	264	5-14	C. V. Burns	350
11-14	A. J. Ferrin	247	5-20	D. E. Olson	295
11-28	do	267	6- 3	C. H. Carstens	242
12-11	Ferrin-Burns	235	6-15	D. E. Olson	254
12-31	C. V. Burns	184	6-24	C. V. Burns	258
1-10	Bolon-Burns	205	7- 6	D. E. Olson	240
1-21	C. V. Burns	297	7-16	C. V. Burns	228
2- 4	A. J. Ferrin	273	7-24	D. E. Olson	239
2-25	do	248	8- 4	C. V. Burns	232
3-19	Hanks-Olson	283	8-14	D. E. Olson	274
4- 1	D. E. Olson	281	8-26	C. V. Burns	227
4-10	do	282	9-10	do	255
4-23	Burns-Olson	259	9-16	D. E. Olson	259
		CAMP CLARK SEEP			
		Sec. 9-20-51 W.			
10- 1	Ivan W. Bauer	8.7	10-23	Ivan W. Bauer	5.4
		CEDAR BRANCH CREEK			
		Nevins—Sec. 17-14-35 W.			
10- 3	J. P. Hansen	1.4	5-21	E. S. Kimmel	2.2
11-14	Melvin Kleen	1.4	6- 4	do	1.6
12- 3	do	1.6	6-18	do	1.8
2-24	do	1.3	7- 1	do	1.5
3-16	do	1.4	7-29	do	1.7
4- 9	E. S. Kimmel	2.1	8-19	do	1.8
4-17	do	1.7	9- 1	do	1.6
4-23	do	1.5	9-15	do	1.2
5- 8	do	2.2	9-30	do	1.7
		CEDAR CREEK			
		Near Burwell—Sec. 27-21-17 W.			
8-28	D. E. Olson	0.0			
		CEDAR CREEK			
		Above D-507, Schilt-Cedar Creek Canal—Sec. 35-33-56 W.			
11-18	Ivan W. Bauer	0.02			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		CEDAR CREEK			
		Below D-507, Schilt-Cedar Creek Canal—Sec. 35-33-56 W.			
2-11	Hilpert-Rasmussen	0.2	7-21	A. C. Hilpert	0.1
3- 5	do	.0	8- 5	do	.0
4-13	do	.0	8-25	do	.0
5-27	do	.5	9- 9	do	.0
6-16	A. C. Hilpert	.2	9-22	do	.0
7- 7	do	.0			
		CEDAR CREEK			
		Sec. 3-32-56 W.			
4-13	Hilpert-Rasmussen	0.0			
		CEDAR CREEK			
		Sec. 11-18-48 W.			
10- 6	J. P. Hansen	10.1	5-11	E. S. Kimmel	12.8
10-14	do	11.0	5-18	do	11.6
10-20	do	10.4	5-25	do	11.1
10-28	do	11.5	6- 6	do	17.9
11- 3	do	8.0	6-15	do	11.7
11-24	do	8.1	6-22	do	13.3
1-28	Bauer-Hilpert	11.3	7-13	do	3.3
2-24	J. P. Hansen	11.3	7-24	do	2.2
3-11	do	11.0	8- 3	do	10.6
3-21	do	11.0	8-15	do	2.0
4- 1	E. S. Kimmel	9.9	8-22	do	4.0
4- 6	do	10.3	8-29	do	3.4
4-13	do	11.0	9- 5	do	11.4
4-20	do	11.7	9-19	do	19.2
4-27	do	13.7	9-26	do	22.7
5- 4	do	13.3			
		CEDAR CREEK			
		Below Oakdale Mill Dam—East Line of Sec. 11-24-6 W.			
9- 8	D. E. Olson	20.3			
		CEDAR CREEK			
		Near Oakdale—South Line of Sec. 15-24-6 W.			
6- 1	D. E. Olson	23.0			
		CEDAR CREEK			
		Near Elba—Sec. 8-15-10 W.			
8-17	D. E. Olson	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		CEDAR RIVER			
		Ericson—South Line of Sec. 15-21-12 W.			
6-23	D. E. Olson	122.0	9- 7	D. E. Olson	79.0
		CEDAR RIVER			
		Above Spalding Mill Dam—West Line Sec. 20-20-9 W.			
6-23	D. E. Olson	186.0			
		CEDAR RIVER			
		Below Spalding Mill Dam—Sec. 28-20-9 W.			
6-23	D. E. Olson	130.0	8-22	D. E. Olson	58.2
		CEDAR RIVER			
		Below Van Ackeren Power Plant at Cedar Rapids—Sec. 5-18-7 W.			
6-23	D. E. Olson	282.0	8-22	D. E. Olson	97.5
		CEDAR RIVER			
		Fullerton—Sec. 33-17-6 W.			
10-14	A. J. Ferrin	151.0	5-12	C. V. Burns	165.0
10-30	Ferrin-Bolon	179.0	5-22	Loup River Power Co.	179.0
11-14	A. J. Ferrin	158.0	6- 3	C. H. Carstens	140.0
11-24	do	203.0	6-15	Loup River Power Co.	169.0
12-10	Ferrin-Burns	88.2	6-23	C. V. Burns	288.0
12-23	C. V. Burns	151.0	7- 3	Loup River Power Co.	128.0
1- 8	Bolon-Burns	92.2	7-14	C. V. Burns	118.0
1-20	C. V. Burns	213.0	7-24	Loup River Power Co.	94.0
2-24	A. J. Ferrin	82.7	8- 4	C. V. Burns	122.0
3-18	Olson-Hanks	225.0	8-14	Loup River Power Co.	116.0
3-23	Loup River Power Co.	166.0	8-25	C. V. Burns	117.0
3-31	D. E. Olson	270.0	9-10	do	133.0
4-10	Loup River Power Co.	164.0	9-22	Lewis-Jones	104.0
4-21	C. V. Burns	136.0	9-28	Loup River Power Co.	137.0
5- 1	Loup River Power Co.	176.0			
		CENTER CREEK			
		Franklin—Sec. 36-2-15 W.			
6- 2	D. B. Ender	3.5			
		CHADRON CREEK			
		Station 36 of Pipe Line—Sec. 12-32-49 W.			
2-19	A. C. Hilpert	0.7	7- 3	A. C. Hilpert	0.6
3- 3	do	.3	7-22	do	.5
4- 2	do	.8	8- 7	do	.5
4-28	do	.7	8-20	do	.2
6- 1	do	2.0	9-19	do	.5
6-15	do	.9			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		CHADRON CREEK			
		One-half Mile above City Reservoir—Sec. 19-32-48 W.			
2-19	A. C. Hilpert	1.8	7- 3	A. C. Hilpert	2.1
3- 3	do	2.0	7-22	do	1.6
4- 2	do	2.1	8- 7	do	1.4
4-28	do	3.8	8-20	do	1.0
6- 1	do	2.8	9-19	do	1.9
6-15	do	2.7			
		CHADRON CREEK			
		500 Feet below City Reservoir—Sec. 18-32-48 W.			
2-19	A. C. Hilpert	0.4	7- 3	A. C. Hilpert	0.5
3- 3	do	.6	7-22	do	.4
4- 2	do	.8	8- 7	do	.2
4-28	do	.7	8-20	do	.3
6- 1	do	.9	9-19	do	.4
6-15	do	.6			
		CHESBRA CREEK			
		Taylor—Sec. 20-21-18 W.			
8-20	D. E. Olson	0.0			
		CHIMNEY CREEK			
		Near Meadville—Sec. 6-33-22 W.			
9- 9	D. E. Olson	0.0			
		CLEAR CREEK			
		Sec. 32-16-41 W.			
10- 2	J. P. Hansen	7.2	4- 8	E. S. Kimmel	8.4
10-17	do	8.7	4-15	do	8.6
10-23	do	7.8	4-22	do	9.5
10-30	do	9.0	4-29	do	9.5
11- 6	do	5.8	5- 7	do	11.0
11-17	Melvin Kleen	7.8	5-15	do	11.7
11-25	do	7.4	5-27	do	8.3
12- 4	do	6.3	6- 3	do	9.3
12-15	do	8.6	6-10	do	9.2
1-31	Bauer-Hilpert	8.5	6-24	do	11.5
2-13	Melvin Kleen	9.1	7-15	do	6.0
2-19	do	12.6	7-27	do	4.4
3- 2	J. P. Hansen	7.6	8-11	do	.3
3-11	Melvin Kleen	8.7	8-25	do	6.0
3-21	do	9.2	9- 9	do	6.6
4- 4	do	8.1	9-23	do	7.3

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		CLEAR CREEK			
		Westerville—East Line of Sec. 28-17-18 W.			
8-26	D. E. Olson	0.2			
		CLEAR CREEK			
		Litchfield—Sec. 26-14-16 W.			
8-25	D. E. Olson	0.5			
		CLEAR CREEK			
		Below Pibel Lake—South Line of Sec. 31-21-10 W.			
9- 7	D. E. Olson	3.2			
		CLEAR CREEK			
		Near Ashland—West Line of Sec. 36-13-9 E.			
4-18	D. E. Olson	7.6	9-24	D. E. Olson	4.9
		CLEAR CREEK			
		Stanton—South Line of Sec. 13-23-2 E.			
9-22	D. E. Olson	0.0			
		CLEARWATER CREEK			
		Clearwater—Sec. 6-25-7 W.			
6- 2	D. E. Olson	29.0	9- 8	D. E. Olson	32.1
7-31	do	22.0			
		CLEVELAND DRAIN			
		Sec. 6-20-52 W.			
10-11	Ivan W. Bauer	2.7	5-22	J. P. Hansen	4.9
12-23	J. P. Hansen	1.3	5-25	do	3.0
3-12	do	1.3	6- 6	do	2.2
3-31	E. S. Kimmel	.4	8- 3	do	7.2
4- 6	J. P. Hansen	.9	8-22	do	8.7
4-14	do	1.2	9- 1	do	5.7
4-21	do	1.4	9-22	do	15.7
5-11	do	10.9			
		COB CREEK			
		Near Loup City—Sec. 23-15-15 W.			
8-18	D. E. Olson	0.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		COLD WATER CREEK			
		Sec. 34-18-46 W.			
10- 7	J. P. Hansen	0.8	4-27	E. S. Kimmel	2.5
10-14	do	.3	5- 4	do	1.8
10-22	do	.2	5-18	do	2.7
11- 1	do	.2	6- 5	do	2.1
11- 7	do	.2	6-20	do	8.6
11-17	do	1.0	7-14	do	3.9
12-15	do	2.7	7-24	do	3.6
3-23	do	2.3	8- 7	do	2.8
4- 6	E. S. Kimmel	1.4	8-21	do	1.5
4-11	do	3.9	9- 4	do	.8
4-13	do	1.7	9-18	do	.5
4-20	do	1.1			
		COLD WATER CREEK			
		Above Lisco Canal—Sec. 27-18-46 W.			
3-23	J. P. Hansen	3.8			
		COLE CREEK			
		Near Loup City—West Line of Sec. 28-16-15 W.			
8-18	D. E. Olson	9.3			
		COLEMAN CREEK			
		Norden—West Line Sec. 15-33-24 W.			
9- 9	D. E. Olson	0.0			
		COON CREEK			
		Near Brocksburg—South Line Sec. 4-34-17 W.			
9-10	D. E. Olson	0.2			
		COON CREEK			
		Near Carns—Sec. 24-32-19 W.			
9-10	D. E. Olson	0.5			
		COTTONWOOD CREEK			
		Dunlap—Sec. 27-29-48 W.			
10-16	K. S. Essex	0.2	6-26	A. C. Hilpert	2.6
2-10	A. C. Hilpert	1.8	7-16	do	.4
3- 3	do	1.1	8- 3	do	.4
4- 2	do	1.2	8-20	do	.2
4-28	do	4.8	9- 5	do	.4
6- 1	do	3.4	9-19	do	.7
6- 8	do	3.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		COTTONWOOD CREEK			
		4.8 Miles East of Naponee—Sec. 1-1-16 W.			
6- 2	D. B. Ender	4.2			
		COTTONWOOD CREEK			
		Near Palmer—SE Corner Sec. 9-15-8 W.			
9- 5	D. E. Olson	0.1			
		COTTONWOOD CREEK, BIG			
		Sec. 22-33-50 W.			
10-15	K. S. Essex	0.5	6- 9	A. C. Hilpert	3.3
2-24	A. C. Hilpert	.2	7- 6	do	.7
3- 4	do	17.4	7-17	do	7.0
4- 3	do	1.3	8- 4	do	3.5
5- 6	do	37.0	8-21	do	1.7
5- 7	do	451.2	9- 8	do	1.7
5-23	do	6.2	9-21	do	1.8
		COTTONWOOD CREEK, LITTLE			
		Sec. 8-32-52 W.			
11-19	Ivan W. Bauer	0.2	7- 6	A. C. Hilpert	2.2
2-23	Hilpert-Rasmussen	1.4	7-17	do	.8
3- 6	do	2.0	8- 4	do	1.5
4-10	do	1.7	8-21	do	.9
5-23	A. C. Hilpert	6.5	9- 8	do	.0
6- 9	do	3.7	9-21	do	.2
		COTTONWOOD CREEK, LITTLE			
		South of Whitney Pipe Line Outlet—Sec. 8-32-51 W.			
10-15	K. S. Essex	0.0	7- 6	A. C. Hilpert	0.5
11-21	Ivan W. Bauer	.1	7-17	do	3.4
2-23	A. C. Hilpert	.1	8- 4	do	.6
3- 4	do	4.4	8-21	do	.0
4- 3	do	.5	9- 8	do	.9
5-23	do	8.4	9-21	do	1
6- 9	do	3.7			
		COTTONWOOD CREEK, LITTLE			
		One Mile West of Bloomington—Sec. 6-1-15 W.			
6- 2	D. B. Ender	1.8			
		COUNCIL CREEK			
		Near Genoa—West Line of Sec. 36-17-4 W.			
9- 5	D. E. Olson	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		COW CREEK			
		Walthill—Sec. 25-25-8 E.			
9-23	D. E. Olson	0.0			
		COZAD DRAIN			
		Sec. 18-10-23 W.			
10- 7	Melvin Kleen	0.0	11- 6	Melvin Kleen	0.0
		CROOKED CREEK			
		Near Spencer—East Line of Sec. 12-33-12 W.			
9-11	D. E. Olson	0.0			
		CROOKED CREEK			
		Red Cloud—Sec. 1-1-11 W.			
8-24	D. B. Ender	0.1			
		CROSS CREEK			
		Sec. 17-33-24 W.			
8-11	A. C. Hilpert	0.0			
		CUB CREEK			
		Near Meadville—Sec. 3-32-22 W.			
9- 9	D. E. Olson	0.2			
		CUMING CREEK			
		Scribner—North Line of Sec. 32-20-7 E.			
9-24	D. E. Olson	0.3			
		DANE CREEK			
		Ord—East Line of Sec. 20-19-14 W.			
8-20	D. E. Olson	4.6	9-16	D. E. Olson	7.1
		DAWSON COUNTY DRAIN NO. 2			
		Darr—Sec. 25-10-23 W.			
10-10	Melvin Kleen	2.1	7-15	Melvin Kleen	1.5
10-21	do	2.3	8- 8	do	5.6
11- 1	do	1.8	8-18	do	7.0
12- 1	do	1.5	8-22	do	6.3
2-27	do	.8	9- 1	do	6.1
3-20	do	1.2	9-14	do	5.0
4-22	do	1.5	9-21	do	4.7
5-26	do	1.1	9-28	do	4.2
6-12	do	6.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		DEAD HORSE CREEK			
		Loup City—Sec. 18-15-14 W.			
8-17	D. E. Olson	0.0			
		DEAD HORSE CREEK			
		Sec. 32-33-49 W.			
2-24	Hilpert-Rasmussen	0.7	7- 6	A. C. Hilpert	2.9
3- 6	A. C. Hilpert	2.0	7-18	do	1.7
4- 3	do	2.3	8-22	do	.4
5-28	do	5.2	9-21	do	.9
6-13	do	5.3			
		DEER CREEK			
		Boelus—North Line of Sec. 27-13-12 W.			
8-18	D. E. Olson	0.2	9-15	D. E. Olson	0.2
		DEER CREEK			
		Maskell—Sec. 33-32-4 E.			
9-23	D. E. Olson	0.1			
		DEER CREEK			
		Near Meadow Grove—East Line of Sec. 30-24-3 W.			
9- 8	D. E. Olson	0.3			
		DeGRAW DRAIN			
		Sec. 24-20-51 W.			
10- 7	Ivan W. Bauer	7.4	5-23	J. P. Hansen	6.2
12-13	J. P. Hansen	2.6	6- 8	do	1.3
2-16	do	4.0	6-15	do	3.3
3-11	do	6.1	6-23	do	1.9
4- 6	do	2.4	7-13	do	.6
4-13	do	2.1	7-27	do	1.1
4-20	do	4.3	8-17	do	1.5
5- 8	do	6.7	9-28	do	6.0
		DISMAL RIVER			
		Dunning—Sec. 4-21-24 W.			
5-13	D. E. Olson	645	7-23	D. E. Olson	307
6-16	do	356	8-15	do	324
7- 7	do	314	9-17	do	359

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		DRIFTWOOD CREEK			
		Near McCook—Sec. 1-2-30 W.			
5-20	D. B. Ender	2.0	7-22	D. B. Ender	0.6
		DRINGMAN DRAIN			
		Sec. 32-13-33 W.			
10- 2	Melvin Kleen	6.0	4-23	E. S. Kimmel	8.4
10-18	do	5.1	5-29	do	5.7
11- 5	do	6.7	6-12	do	6.1
12- 3	do	8.4	7- 2	do	3.6
2-25	do	6.7	7-30	do	6.8
3-16	do	6.8	8-12	do	5.0
4-10	E. S. Kimmel	7.2	8-26	do	4.8
4-16	do	7.4	9-16	do	5.7
		DRY CREEK			
		To Cottonwood Lake—South Line of Sec. 16-34-37 W.			
11-24	Bauer-Rasmussen	0.0	7- 1	A. C. Hilpert	0.0
2-16	A. C. Hilpert	1.2	7-27	do	.0
3-12	do	1.6	8-12	do	.0
4- 8	do	.0	8-29	do	.0
5-21	do	.0	9-12	do	.0
6-12	do	.0	9-28	do	.0
		DRY CREEK			
		Merriman—Sec. 17-34-37 W.			
10-17	K. S. Essex	0.0	7- 1	A. C. Hilpert	1.6
2-16	A. C. Hilpert	2.8	7-27	do	.2
3-12	do	4.6	8-12	do	.0
4- 8	Hilpert-Rasmussen	3.1	8-29	do	.0
5- 4	A. C. Hilpert	68.0	9-12	do	.0
5-21	do	39.7	9-28	do	0
6-12	do	4.6			
		DRY CREEK			
		Near Riverview—Sec. 14-33-21 W.			
9- 9	D. E. Olson	0.0			
		DRY CREEK			
		Near Naper—South Line of Sec. 18-34-15 W.			
9-10	D. E. Olson	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		DRY CREEK			
		Ravenna—South Line of Sec. 32-13-14 W.			
8-18	D. E. Olson	0.0			
		DRY CREEK			
		Near Cairo—South Line of Sec. 15-12-11 W.			
9-15	D. E. Olson	0.0			
		DRY CREEK			
		O'Neill—East Line of Sec. 5-28-11 W.			
9- 8	D. E. Olson	0.0			
		DRY CREEK			
		Near Meadow Grove—North Line of Sec. 21-24-4 W.			
9- 8	D. E. Olson	0.1			
		DUGOUT CREEK, LOWER			
		Rating Station, U. P. R. R. Bridge—Sec. 20-19-48 W.			
4-20	E. S. Kimmel	0.0	6- 6	E. S. Kimmel	0.0
4-27	do	.0	9-11	do	.0
5- 4	do	.0	9-19	do	0
5-18	do	.0	9-26	do	.0
		DUGOUT CREEK, UPPER			
		Sec. 20-20-50 W.			
10- 7	Ivan W. Bauer	4.4	5-25	J. P. Hansen	1.0
10-14	do	3.6	6- 1	do	11.3
12-20	J. P. Hansen	1.3	6- 8	do	26.2
2- 5	do	1.0	6-15	do	36.2
2-16	do	1.5	6-23	do	26.1
3-11	do	1.5	7-13	do	.9
3-21	do	.7	7-27	do	34.7
4- 6	do	.7	8-10	do	27.6
4-13	do	.4	8-17	do	6.0
4-20	do	1.0	8-24	do	4.5
5- 8	do	1.5	8-31	do	5.5
5-11	do	2.2	9-22	do	13.8
5-18	do	1.8	9-28	do	20.3

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		EAGLE CREEK			
		Near Paddock—South Line of Sec. 2-32-11 W.			
6- 4	D. E. Olson	37.2	9-11	D. E. Olson	19.6
		ELK CREEK			
		Near Palmer—Sec. 23-15-8 W.			
9- 5	D. E. Olson	0.0			
		ELKHORN RIVER, SOUTH FORK			
		Ewing—Sec. 2-26-9 W.			
6- 2	D. E. Olson	58.2	9- 8	D. E. Olson	38.6
7-31	do	27.1			
		ELKHORN RIVER			
		Neligh—Sec. 20-25-6 W.			
10-15	A. J. Ferrin	101	5-12	C. V. Burns	840
10-31	do	133	6- 1	D. E. Olson	397
11-14	do	127	6- 2	do	420
11-26	do	149	6-20	C. V. Burns	1050
12-10	Burns-Ferrin	66	6-21	do	1010
12-23	C. V. Burns	129	6-23	do	1040
1- 8	Bolon-Burns	59	7-15	do	192
1-21	A. J. Ferrin	145	7-31	D. E. Olson	160
2- 3	do	212	8- 4	C. V. Burns	131
3-19	Olson-Hanks	245	8-25	do	84
4- 1	D. E. Olson	279	9- 8	D. E. Olson	190
4-21	C. V. Burns	202	9-22	Lewis-Jones	139
		ELKHORN RIVER, NORTH FORK			
		Hadar—South Line of Sec. 28-25-1 W.			
6- 6	D. E. Olson	58.2	9-22	D. E. Olson	43.4
8- 1	do	95.2			
		ELKHORN RIVER			
		Norfolk—West Line of Sec. 3-23-1 W.			
6-26	D. E. Olson	1679	9-22	D. E. Olson	285
7-31	do	377			
		ELKHORN RIVER			
		West Point—Sec. 33-22-6 E.			
6-25	D. E. Olson	2408	9-23	D. E. Olson	392
8- 1	do	530			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		ELKHORN RIVER			
		Waterloo—Sec. 21-16-10 E.			
10- 1	L. F. Hanks	383	4-22	D. D. Lewis	630
10- 7	Bolon-Ferrin	1380	5- 1	C. V. Burns	650
10-13	A. J. Ferrin	412	5- 8	Hanks-Carstens	680
11- 3	do	459	5-21	C. V. Burns	2430
11-12	Burns-Hanks	325	6- 1	Carstens-Burns	756
11-24	A. J. Ferrin	456	6-11	C. V. Burns	765
12- 1	Burns-Hanks	484	6-21	do	6310
12- 8	Burns-Ferrin	451	7- 1	do	3370
12-24	C. V. Burns	504	7-10	do	1120
1- 4	Burns-Ferrin	223	7-21	do	697
1-21	A. J. Ferrin	375	8- 1	do	534
2- 2	C. V. Burns	640	8-11	do	707
3- 2	do	393	8-21	do	379
3- 9	Lewis-Burns	3460	8-30	do	562
3-23	C. V. Burns	848	9- 6	do	1290
4- 1	do	1270	9-16	do	890
4-10	do	1010	9-21	do	598
		ELM CREEK			
		Amboy—Sec. 34-2-10 W.			
8-24	D. B. Ender	11.9			
		ELM CREEK			
		Elm Creek—Sec. 33-9-18 W.			
10- 6	Melvin Kleen	0.2	5-19	Melvin Kleen	0.1
10-21	do	1.4	6- 3	do	18.5
10-27	do	4.4	6-12	do	38.5
11-12	do	4.4	6-24	do	326.3
11-20	do	8.9	7- 7	do	.8
12- 1	do	1.6	7-15	do	6.4
12-12	do	1.0	7-24	do	.2
1-13	do	.0	7-30	do	.1
2- 6	Bauer-Hilpert	.0	8- 7	do	.0
2-14	Melvin Kleen	.0	8-17	do	2.1
3- 9	do	.2	8-22	do	.2
3-28	do	.0	9- 8	do	7.6
4- 9	do	.0	9-14	do	.3
4-22	do	4.2	9-21	do	.1
5- 6	do	8.5	9-28	do	.1
		ELM CREEK			
		Ord—Sec. 24-19-14 W.			
8-20	D. E. Olson	0.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		EUREKA CREEK			
		2.8 Miles West of Naponee—Sec. 1-1-17 W.			
6- 2	D. B. Ender	0.1			
		FAIRFIELD SEEP			
		Sec. 18-21-53 W.			
10- 9	Ivan W. Bauer	1.4	6- 2	J. P. Hansen	1.8
12-24	J. P. Hansen	.5	6- 9	do	2.2
3-13	do	.4	7-18	do	.8
4- 6	do	.2	8- 4	do	1.4
4-15	do	.3	8-21	do	1.9
4-24	do	.3	9- 1	do	5.1
5- 7	do	7.5	9-22	do	1.1
5-25	do	2.4	9-29	do	1.1
		FANNING SEEP			
		One-half Mile North of Mitchell Bridge—Sec. 28-23-56 W.			
10- 9	Ivan W. Bauer	5.7	5-27	J. P. Hansen	7.7
11-28	J. P. Hansen	3.4	6- 6	do	2.9
2- 3	do	3.7	6-12	do	3.9
3-13	do	3.3	6-18	do	2.5
4- 8	do	3.0	7-18	do	3.8
4-15	do	2.1	8-14	do	5.3
4-22	do	2.2	8-28	do	5.7
5- 5	do	9.9	9- 3	do	5.5
5-20	do	15.9			
		FARMER'S CREEK			
		Inavale—Sec. 5-1-12 W.			
8-24	D. B. Ender	0.1			
		FISH CREEK			
		Near Cotesfield—Sec. 7-16-11 W.			
8-17	D. E. Olson	0.0			
		FISHER CREEK			
		West Point—East Line of Sec. 8-21-6 E.			
9-23	D. E. Olson	0.1			
		FLAG CREEK			
		Orleans—Sec. 16-2-19 W.			
6- 2	D. B. Ender	0.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		FREEMAN CREEK			
		Spalding—South Line of Sec. 1-19-9 W.			
8-22	D. E. Olson	0.5			
		FREMONT SLOUGH			
		North Platte—Sec. 16-13-30 W.			
10- 3	Melvin Kleen	7.0	7-29	Melvin Kleen	2.8
10-19	do	4.5	8- 5	do	1.8
10-31	do	8.5	8-15	do	2.7
11-18	do	8.7	8-27	do	1.9
12- 6	do	9.7	9- 2	do	405.0
2-12	do	27.3	9-12	do	12.2
3- 4	do	12.8	9-18	do	10.6
4- 3	do	20.6	9-26	do	14.5
5-22	do	15.4			
		FREMONT SLOUGH			
		Sec. 17-13-29 W.			
4-16	Melvin Kleen	2.7	8- 5	Melvin Kleen	2.3
5-12	do	10.5	8-15	do	2.5
5-22	do	8.8	8-27	do	2.2
6-15	do	4.0	9- 2	do	407.0
7- 8	do	1.7	9- 7	do	5.5
7-29	do	2.2	9-18	do	3.9
		FRENCHMAN RIVER			
		Above Maranville Reservoir—Sec. 10-6-41 W.			
5- 9	D. B. Ender	5.9	8-15	D. B. Ender	3.9
5-23	do	4.6	8-26	do	3.4
7-10	do	3.9	9-19	do	4.2
7-29	do	3.5			
		FRENCHMAN RIVER			
		Below Maranville Reservoir—Sec. 11-6-41 W.			
5- 9	D. B. Ender	8.9	8-15	D. B. Ender	3.1
5-23	do	.2	8-26	do	1.1
7-10	do	.2	9-19	do	3.1
7-29	do	.4			
		FRENCHMAN RIVER			
		Above Inman Canal—Sec. 17-6-40 W.			
5- 9	D. B. Ender	19.9	8-15	D. B. Ender	13.9
5-23	do	10.4	8-26	do	12.6
7-10	do	9.5	9-19	do	15.9
7-29	do	11.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
FRENCHMAN RIVER					
Above Champion Canal Diversion Dam—West Line of Sec. 22-6-40 W.					
5- 9	D. B. Ender	31.9	7-29	D. B. Ender	18.7
5-23	do	19.6	8-15	do	13.3
6- 5	do	70.3	8-26	do	12.2
7-10	do	10.1	9-19	do	26.7
FRENCHMAN RIVER					
Below Champion Canal Diversion Dam—West Line of Sec. 23-6-40 W.					
5- 9	D. B. Ender	22.2	7-29	D. B. Ender	16.0
5-23	do	11.0	8-15	do	3.8
6- 5	do	8.2	8-26	do	.3
7-11	do	.5	9-19	do	19.5
FRENCHMAN RIVER					
Above Champion—Sec. 19-6-39 W.					
5- 9	D. B. Ender	32.3	7-29	D. B. Ender	26.3
5-23	do	28.6	8-15	do	14.1
6- 5	do	35.9	8-26	do	3.1
7-11	do	10.9	9-19	do	30.1
FRENCHMAN RIVER					
Seventy feet below Hoke Plant—Sec. 21-6-39 W.					
12- 5	D. B. Ender	28.3	7-29	D. B. Ender	27.3
FRENCHMAN RIVER					
Below Champion—SW¼ Sec. 22-6-39 W.					
10- 4	D. B. Ender	89.1	4- 4	D. B. Ender	35.6
10-11	do	66.7	4-18	do	56.5
10-25	do	73.5	5- 2	do	84.3
11- 1	do	26.0	5-16	do	82.1
11- 8	do	63.7	5-23	do	70.8
11-21	do	46.0	5-29	Ender-Burns	4.2
12- 5	do	59.9	6- 5	D. B. Ender	62.2
12-20	do	69.8	6-26	do	67.6
1- 5	do	47.7	7- 2	do	72.7
1-15	do	92.9	7-24	do	31.9
1-26	do	59.2	8- 3	do	40.7
2- 7	do	83.7	8-26	do	31.4
2-21	do	48.1	9- 4	do	81.7
3- 9	do	84.7	9-19	do	29.7
3-19	do	27.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		FRENCHMAN RIVER			
		Above Imperial Power Plant—Sec. 31-6-38 W.			
7-11	D. B. Ender	45			
		FRENCHMAN RIVER			
		South of Imperial, Below Imperial Power Plant—Sec. 30-6-38 W.			
4-18	Ender-Gerlach	53.7	7-28	D. B. Ender	21.6
5- 1	D. B. Ender	114.5	8- 3	do	69.3
5-22	do	66.4	8-14	do	47.0
6- 5	do	64.3	8-27	do	49.2
7-11	Ender-Gerlach	14.9	9-19	do	66.2
7-24	D. B. Ender	56.4			
		FRENCHMAN RIVER			
		Imperial—Sec. 3-5-38 W.			
10- 4	D. B. Ender	74.4	3-19	D. B. Ender	78.1
10-11	do	75.6	4- 4	do	76.2
10-25	do	72.3	4-18	Ender-Gerlach	94.4
11- 1	do	78.1	5-16	D. B. Ender	66.9
11- 8	do	64.9	5-22	do	83.0
11-21	do	64.0	5-29	do	63.9
12- 5	do	68.9	6- 5	do	87.0
12-20	do	64.8	6-26	do	78.0
1- 5	do	55.0	7- 2	do	70.2
1-14	do	72.2	7-24	do	56.3
1-26	do	88.7	8- 3	do	69.3
2- 7	do	70.0	8-27	do	72.8
2-21	do	73.1	9- 4	do	117.0
3- 9	do	101.0	9-18	do	80.0
		FRENCHMAN RIVER			
		Above Grosbach-Williams Power Plant—Sec. 5-5-37 W.			
7-11	Ender-Gerlach	77.3			
		FRENCHMAN RIVER			
		Below Grosbach-Williams Power Plant—Sec. 5-5-37 W.			
4-18	Ender-Gerlach	51.4	7-28	D. B. Ender	80.1
5- 1	D. B. Ender	95.3	8-14	do	73.8
5-22	do	98.9	8-27	do	48.6
6- 5	do	99.1	9-18	do	95.2
7-11	do	40.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		FRENCHMAN RIVER			
		Wauneta Power Plant—Sec. 11-5-36 W.			
12-19	D. B. Ender	83.1	7-28	D. B. Ender	78.1
		FRENCHMAN RIVER			
		Hamlet—Sec. 29-5-34 W.			
10- 4	D. B. Ender	110	3-19	D. B. Ender	121
10-11	do	103	4- 4	do	112
10-17	do	92	4-17	do	98
10-24	do	97	5- 1	do	152
11- 1	do	98	5-16	do	111
11- 8	do	90	5-22	do	108
11-21	do	80	5-30	Ender-Burns	86
11-26	do	109	6- 4	D. B. Ender	128
12- 6	do	95	6-20	do	110
12-19	do	93	6-26	do	117
1- 5	do	92	7-25	do	70
1-14	do	116	8- 3	do	87
1-26	do	123	8-21	do	73
1-31	do	120	9- 4	do	195
2- 7	do	127	9-10	do	110
2-21	do	121	9-18	do	96
3- 9	do	136			
		FRENCHMAN RIVER			
		Palisade—Sec. 32-5-33 W.			
7-10	D. B. Ender	79.9	7-28	D. B. Ender	2.5
		FRENCHMAN RIVER			
		500 feet above Krotter Dam—Sec. 32-5-33 W.			
7-10	D. B. Ender	74.4	7-28	D. B. Ender	1.7
		FRENCHMAN RIVER			
		Oliver Brothers Dam—Sec. 7-5-35 W.			
6- 4	D. B. Ender	31.4	9-18	D. B. Ender	34.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		FRENCHMAN RIVER			
		Culbertson—Sec. 17-3-31 W.			
10- 2	D. B. Ender	132	3-28	D. B. Ender	162
10- 9	do	143	4- 2	do	189
10-15	do	124	4-15	do	165
10-23	do	124	4-24	do	232
10-30	do	161	4-30	do	216
11- 5	do	156	5- 8	Ender-Gerlach	262
11-19	do	169	5-20	D. B. Ender	195
11-25	do	160	5-28	do	129
12- 3	do	160	6- 6	do	146
12-17	do	160	6-20	do	183
12-23	do	160	6-27	do	232
1- 2	do	70	6-28	do	967
1-10	do	122	7- 8	do	118
1-22	do	188	7-16	do	63
1-29	do	219	7-22	do	32
2- 5	do	201	7-30	do	40
2-10	do	198	8-12	do	40
2-19	do	154	8-20	do	27
2-26	do	172	9- 5	do	331
3- 5	do	235	9-16	do	146
3-12	do	229	9-26	do	127
3-19	do	208			
		GERING DRAIN			
		Sec. 6-21-54 W.			
10- 9	Ivan W. Bauer	32.9	5-22	J. P. Hansen	34.5
12-12	J. P. Hansen	19.9	5-27	do	35.1
2- 4	do	18.1	6- 3	do	76.6
2-18	do	18.9	6-13	do	107.0
3-12	do	19.6	6-19	do	81.3
4- 2	Hansen-Kimmel	19.3	7- 8	do	31.9
4- 7	J. P. Hansen	18.3	8- 4	do	56.3
4-15	do	18.4	8-21	do	49.7
4-22	do	19.9	9- 2	do	51.1
5- 6	do	37.4	9-24	do	34.2
5-15	do	46.6			
		GILES CREEK			
		Tilden—Sec. 13-24-5 W.			
9- 8	D. E. Olson	0.2			
		GORDON CREEK			
		Near Kennedy—Sec. 6-29-30 W.			
5-19	A. C. Hilpert	150			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		GORDON CREEK			
		Valentine—Sec. 30-33-28 W.			
3-11	A. C. Hilpert	3.2	7-24	A. C. Hilpert	6.0
4- 7	do	11.3	8-12	do	4.0
5-20	do	172.4	8-28	do	4.9
6-11	do	9.6	9-26	do	4.8
6-30	do	7.5			
		GOVERNMENT SPRING			
		Below Fort Robinson Pumping Plant 4-foot Weir			
11-19	Ivan W. Bauer	0.7			
		GRAVEL CREEK			
		Sec. 9-14-36 W.			
10- 3	J. P. Hansen	2.2	6-17	E. S. Kimmel	2.8
11- 8	Melvin Kleen	3.1	7- 1	do	3.5
12-17	do	2.4	7-29	do	3.2
3-16	do	2.2	8-18	do	3.1
4-22	E. S. Kimmel	2.9	9- 1	do	3.6
4-29	do	3.4	9-15	do	2.9
5-20	do	2.7	9-30	do	3.4
6- 3	do	2.8			
		GREENWOOD CREEK			
		Mouth—Sec. 26-19-50 W.			
10-10	J. P. Hansen	1.0	7-10	A. C. Hilpert	0.0
10-20	do	1.0	7-28	do	.0
10-28	do	1.0	8-14	do	.0
11- 3	do	.5	9- 2	do	.0
4-18	A. C. Hilpert	3.9	9-15	do	.0
5- 9	do	.2	9-30	do	.0
6-19	do	1.1			
		HACKBERRY CREEK			
		Near Clearwater—Sec. 32-26-7 W.			
9- 8	D. E. Olson	0.0			
		HADAR CREEK			
		Hadar—South Line of Sec. 29-25-1 W.			
9-22	D. E. Olson	0.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		HASKELL CREEK			
		Ord—Sec. 4-19-14 W.			
8-20	D. E. Olson	0.1	9- 7	D. E. Olson	0.1
		HAT CREEK			
		Sec. 16-32-55 W.			
4-14	A. C. Hilpert	2.3	7-21	A. C. Hilpert	2.5
		HAT CREEK			
		Above Coffee Canal—Sec. 35-33-55 W.			
11-17	Ivan W. Bauer	2.3	7- 7	A. C. Hilpert	1.9
2-20	Hilpert-Rasmussen	2.9	8- 5	do	2.4
3- 9	A. C. Hilpert	2.7	8-24	do	1.6
5-27	Hilpert-Rasmussen	5.4	9- 9	do	1.4
6-16	do	4.3	9-22	do	1.3
		HAWTHORNE CREEK			
		Arcadia—Sec. 23-17-16 W.			
8-17	D. E. Olson	0.1			
		HAYS CREEK			
		Arcadia—Sec. 5-16-15 W.			
8-17	D. E. Olson	0.2			
		HERSHEY DRAIN			
		Sec. 33-14-32 W.			
10- 8	Melvin Kleen	12.2	7-22	Melvin Kleen	10.0
10-25	do	12.0	7-29	do	10.2
11- 8	do	13.2	8-11	do	9.8
12- 3	do	15.3	8-19	do	6.3
2- 6	Bauer-Hilpert	13.0	8-26	do	10.2
3- 7	Melvin Kleen	20.5	9-10	do	13.4
4- 3	do	18.2	9-18	do	13.3
5-12	do	18.7	9-26	do	13.9
6-19	do	14.0			
		HOLE CREEK			
		Near Emmet—South Line of Sec. 21-29-13 W.			
9- 8	D. E. Olson	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		HORSE CREEK			
		Lyman—Sec. 25-23-58 W.			
10-10	Ivan W. Bauer	51.2	5- 4	J. P. Hansen	48.8
10-24	do	41.6	5-14	do	224.0
11- 1	do	38.7	5-22	do	53.3
11-28	J. P. Hansen	22.2	5-29	do	93.1
12-11	do	21.6	6- 5	do	171.0
12-19	do	18.6	6-13	do	107.0
1- 8	do	.3	6-17	do	121.0
2- 2	do	23.9	7- 7	do	38.8
2-18	do	19.9	7-30	do	108.0
3- 7	do	18.9	8-13	do	75.8
3-12	do	20.3	8-25	do	90.0
4- 3	Kimmel-Hansen	15.7	9- 3	do	79.1
4- 9	J. P. Hansen	11.5	9- 8	do	85.0
4-16	do	9.6	9-25	do	201.0
4-23	do	16.4			
		HORSE CREEK			
		Pringle's Ranch—Sec. 23-1-39 W.			
4-16	D. B. Ender	1.4	7-23	D. B. Ender	1.1
4-29	do	1.8	8- 6	do	j
5-14	do	1.2	8-19	do	.8
5-28	do	1.2	9-11	do	1.0
6-18	do	1.1	9-25	do	.9
		HORSE CREEK			
		Near Fullerton—South Line of Sec. 33-15-7 W.			
9- 5	D. E. Olson	0.1			
		HORSEHEAD CREEK			
		Sec. 16-33-24 W.			
8-11	A. C. Hilpert	0.2			
		HOWE CREEK			
		Near Center—East Line of Sec. 10-31-5 W.			
9-12	D. E. Olson	0.0			
		HUMBUG CREEK			
		Pilger—South Line of Sec. 28-24-3 E.			
9-22	D. E. Olson	0.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		INDIAN CREEK			
		Northport Wye—Sec. 19-20-50 W.			
10- 7	Ivan W. Bauer	6.8	5-25	J. P. Hansen	5.1
10-14	do	6.9	6- 1	do	15.0
12-22	J. P. Hansen	3.4	6- 8	do	19.6
2- 5	do	2.0	6-15	do	20.0
2-16	do	2.0	6-23	do	9.0
3-11	do	2.0	7-13	do	13.9
3-21	do	2.0	7-27	do	23.5
4- 6	do	3.2	8-10	do	10.3
4-13	do	2.8	8-17	do	10.4
4-20	do	3.3	8-24	do	9.8
5- 8	do	3.6	8-31	do	14.6
5-11	do	6.9	9-22	do	14.4
5-18	do	5.2	9-28	do	15.8
		INDIAN CREEK			
		Above A-1822—Sec. 3-31-50 W.			
4-11	Hilpert-Rasmussen	0.1			
		INDIAN CREEK			
		Below A-1822—Sec. 3-31-50 W.			
4-11	Hilpert-Rasmussen	0.0			
		INDIAN CREEK			
		Sec. 16-32-50 W.			
4-11	Hilpert-Rasmussen	0.0	8-22	A. C. Hilpert	0.0
7-18	A. C. Hilpert	.1	9-21	do	.0
		INDIAN CREEK			
		Max—Sec. 23-2-36 W.			
4-16	D. B. Ender	3.4	7-30	D. B. Ender	1.4
4-30	do	6.0	8- 7	do	2.0
5-14	do	4.8	8-19	do	2.0
5-28	do	3.3	9-12	do	3.6
6-18	do	3.1	9-25	do	3.2
		INDIAN CREEK			
		Near Red Cloud—Sec. 4-1-11 W.			
8-24	D. B. Ender	0.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		IVES CREEK			
		Near Tilden—Sec. 15-24-5 W.			
9- 8	D. E. Olson	0.2			
		JIM CREEK			
		Above High Line Canal—Sec. 13-33-57 W.			
11-18	Ivan W. Bauer	0.2	7- 7	A. C. Hilpert	0.2
3- 9	A. C. Hilpert	.5	8- 5	do	.1
4-14	Hilpert-Rasmussen	.6	9-22	do	.1
5-27	do	.1			
		JIM CREEK			
		Below D-543—Sec. 13-33-57 W.			
3- 9	A. C. Hilpert	0.2	4-14	Hilpert-Rasmussen	0.0
		JIM CREEK			
		Sec. 7-33-56 W.			
4-14	Hilpert-Rasmussen	0.0			
		KATY CREEK			
		Near Cushing—Sec. 14-15-10 W.			
9- 5	D. E. Olson	0.0			
		KEEGAN CREEK			
		Near Stuart—West Line of Sec. 21-30-15 W.			
9- 8	D. E. Olson	0.0			
		KEITH-LINCOLN COUNTY DRAIN			
		Sarben—Sec. 23-14-35 W.			
4-17	E. S. Kimmel	0.0	7-16	E. S. Kimmel	0.2
5- 8	do	1.4	8-19	do	1.6
6- 4	do	.2	9-10	do	2.2
7- 1	do	.4			
		KEYA PAHA RIVER			
		Near Naper—South Line of Sec. 19-34-14 W.			
6- 3	D. E. Olson	2970	9-10	D. E. Olson	36

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		KINGSLEY DAM SEEPAGE Drain at Station 20—Sec. 3-14-38 W.			
6-24	E. S. Kimmel	0.0	8-11	E. S. Kimmel	0.0
7-16	do	.0	9-15	do	.0
		KINGSLEY DAM SEEPAGE Drain at Station 30—Sec. 3-14-38 W.			
6-24	E. S. Kimmel	0.0	8-11	E. S. Kimmel	0.1
7-16	do	.0	9-15	do	.1
		KINGSLEY DAM SEEPAGE Drain at Station 40—Sec. 3-14-38 W.			
6-24	E. S. Kimmel	0.0	8-11	E. S. Kimmel	0.0
7-16	do	.0	9-15	do	.0
		KINGSLEY DAM SEEPAGE Drain at Station 50—Sec. 34-14-38 W.			
6-24	E. S. Kimmel	0.0	8-11	E. S. Kimmel	0.0
7-16	do	.0	9-15	do	.0
		KINGSLEY DAM SEEPAGE Drain at Station 60—Sec. 34-15-38 W.			
6-24	E. S. Kimmel	3.6	8-11	E. S. Kimmel	2.9
7-16	do	2.2	9-15	do	2.4
		KINGSLEY DAM SEEPAGE Drain at Station 70—Sec. 34-15-38 W.			
6-24	E. S. Kimmel	2.4	8-11	E. S. Kimmel	5.1
7-16	do	4.7	9-15	do	4.2
		KINGSLEY DAM SEEPAGE Drain at Station 80—Sec. 34-15-38 W.			
6-24	E. S. Kimmel	7.5	8-11	E. S. Kimmel	7.8
7-16	do	7.0	9-15	do	6.1
		KINGSLEY DAM SEEPAGE Drain at Station 94—Sec. 34-15-38 W.			
6-24	E. S. Kimmel	0.0	8-11	E. S. Kimmel	0.0
7-16	do	.0	9-15	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LANE DRAIN			
		Sec. 30-23-57 W.			
10-10	Ivan W. Bauer	2.8	6-17	J. P. Hansen	1.5
11- 1	do	2.2	7-30	do	1.6
3-12	J. P. Hansen	.8	8-13	do	3.3
4- 9	do	.6	8-25	do	3.5
5- 4	do	1.0	9-25	do	4.2
6- 5	do	1.8			
		LARABEE CREEK			
		Sec. 6-34-44 W.			
11-24	Ivan W. Bauer	1.8	6-10	A. C. Hilpert	7.8
2-12	A. C. Hilpert	2.4	6-29	do	4.2
3-10	do	7.2	7-23	do	4.1
4- 6	do	2.3	8-27	do	1.5
5-21	do	9.8	9-28	do	2.0
		LAUGHING WATER CREEK			
		Near Carns—Sec. 25-32-19 W.			
9-10	D. E. Olson	2.7			
		LAWRENCE FORK			
		Sec. 36-19-52 W.			
10-10	J. P. Hansen	0.5	7-10	A. C. Hilpert	0.0
10-20	do	.2	7-29	do	.0
11- 1	do	.5	8-14	do	.0
4-20	A. C. Hilpert	2.4	9- 2	do	.0
5-14	do	8.9	9-15	do	.0
6-19	do	1.8	9-30	do	.0
		LAWRENCE FORK			
		Passing King Canal Dam—Sec. 15-18-52 W.			
7-15	J. P. Hansen	2.6			
		LAWRENCE FORK			
		South Line of Sec. 11-18-52 W.			
7-15	J. P. Hansen	0.0			
		LAWRENCE FORK			
		Below Spring Branch Canal—Sec. 11-18-52 W.			
7-15	J. P. Hansen	0.5	7-21	J. P. Hansen	5.2

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LEWELLEN DRAIN			
		Lewellen—Sec. 28-16-42 W.			
6-30	E. S. Kimmel	0.5			
		LIME CREEK			
		Maskell—Sec. 32-32-4 E.			
9-23	D. E. Olson	0.2			
		LINCOLN COUNTY DRAIN NO. 1			
		North Platte—Sec. 30-14-30 W.			
10- 3	Melvin Kleen	57.3	5- 9	Melvin Kleen	70.9
10-11	do	63.5	5-15	do	69.1
10-25	do	54.1	5-28	do	55.9
11- 8	do	53.9	6- 8	do	63.4
11-18	do	47.2	6-19	do	64.0
11-24	do	45.2	7- 1	do	73.4
12- 6	do	39.1	7-16	do	75.9
12-23	do	35.9	7-27	do	101.2
1- 7	do	38.0	8- 3	do	105.0
2- 4	Bauer-Hilpert	40.7	8-11	do	103.8
2-12	Melvin Kleen	36.2	8-21	do	89.0
2-25	do	34.8	9- 2	do	370.0
3- 2	do	35.4	9-10	do	104.0
3-10	do	38.7	9-16	do	87.1
3-31	do	29.8	9-23	do	74.7
4-14	do	39.7	9-30	do	75.0
4-19	Kleen-Hervert	100.0			
		LINCOLN COUNTY DRAIN NO. 2			
		Sec. 12-14-33 W.			
10- 8	J. P. Hansen	2.8	5-28	E. S. Kimmel	3.8
11- 5	do	2.9	6- 5	do	3.6
11- 8	Melvin Kleen	2.6	6-12	do	3.3
12- 3	do	2.2	6-19	do	2.9
1- 6	do	1.9	6-26	do	5.7
2- 4	Bauer-Hilpert	2.2	7- 3	do	4.5
3-12	Melvin Kleen	2.7	7-30	do	3.8
4- 9	E. S. Kimmel	2.8	8-13	do	4.0
4-16	do	2.1	8-27	do	4.8
5- 9	do	6.0	9-10	do	6.3
5-14	do	6.5	9-24	do	4.7
5-22	do	4.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LINCOLN CREEK			
		Near Staplehurst—Sec. 14-11-2 E.			
4-19	D. E. Olson	14.3			
		LODGEPOLE CREEK			
		Wyoming-Nebraska Line—Sec. 11-14-59 W.			
2- 9	J. P. Hansen	5.7	6-25	A. C. Hilpert	7.5
2-26	A. C. Hilpert	4.4	7-15	do	2.9
3-20	do	17.3	8- 1	do	2.0
4-22	Hilpert-Hanna	3.3	8-15	Hilpert-Hanna	1.8
5-13	A. C. Hilpert	8.3	9- 3	do	1.6
6- 6	do	3.6	9-16	A. C. Hilpert	.9
		LODGEPOLE CREEK			
		Above Oliver Reservoir, Bushnell—Sec. 33-15-57 W.			
2- 9	J. P. Hansen	11.7	6-25	A. C. Hilpert	14.8
2-26	A. C. Hilpert	13.6	7-15	do	12.4
3-20	do	17.5	8- 1	do	11.6
4-22	Hilpert-Hanna	15.5	8-15	Hilpert-Hanna	11.1
5-14	A. C. Hilpert	23.2	9- 3	do	10.6
6- 6	do	12.4	9-16	do	10.4
		LODGEPOLE CREEK			
		Below Oliver Reservoir—Sec. 31-15-56 W.			
2- 9	J. P. Hansen	2.5	6-25	A. C. Hilpert	6.1
2-27	A. C. Hilpert	3.1	7-15	do	1.1
3-20	do	.8	8- 1	do	1.6
4-22	Hilpert-Hanna	1.3	8-15	Hilpert-Hanna	3.5
5-14	A. C. Hilpert	5.6	9- 3	do	1.6
6- 6	do	2.8	9-16	A. C. Hilpert	2.3
		LODGEPOLE CREEK			
		Kimball—Sec. 29-15-55 W.			
2- 9	J. P. Hansen	8.8	6-24	A. C. Hilpert	4.2
2-27	A. C. Hilpert	9.0	7-15	do	.1
3-20	do	14.0	8- 1	do	.5
4-21	do	13.1	8-15	Hilpert-Hanna	1.5
5-14	do	16.6	9- 3	do	2.8
6- 6	do	9.3	9-16	A. C. Hilpert	3.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LODGEPOLE CREEK			
		Above Bennett Reservoir—Sec. 28-15-55 W.			
2- 9	J. P. Hansen	6.9	6- 6	A. C. Hilpert	9.1
2-27	A. C. Hilpert	11.0	6-24	do	4.8
3-20	do	10.1	7-15	do	.2
4-21	do	10.3	8- 1	do	.6
5-13	do	17.4	8-15	Hilpert-Hanna	1.3
		LODGEPOLE CREEK			
		Below Bennett Reservoir—Sec. 22-15-55 W.			
2- 9	J. P. Hansen	4.4			
		LODGEPOLE CREEK			
		Dix—Sec. 26-15-54 W.			
2-10	J. P. Hansen	0.0	6-24	A. C. Hilpert	0.0
2-27	A. C. Hilpert	.0	7-14	do	.0
3-20	do	.0	7-31	do	.0
4-23	do	2.4	8-17	do	.0
5-13	do	23.8	9- 3	do	.0
6- 6	do	.0	9-16	do	.0
		LODGEPOLE CREEK			
		Potter—Sec. 6-14-52 W.			
2-10	J. P. Hansen	0.0	7-31	A. C. Hilpert	0.0
4-23	A. C. Hilpert	.0	8-17	do	.0
5-13	do	.0	9- 3	do	.0
6-24	do	.0	9-16	do	.0
7-14	do	.0			
		LODGEPOLE CREEK			
		Sidney—Sec. 31-14-49 W.			
2-10	J. P. Hansen	2.3	6-24	A. C. Hilpert	4.1
2-27	A. C. Hilpert	1.5	7-14	do	1.8
3-23	do	1.3	7-31	do	1.8
4-23	do	2.3	8-17	do	.8
5-12	do	5.2	9- 3	do	.8
6- 5	do	3.0	9-16	do	.7
		LODGEPOLE CREEK			
		West Line of Sec. 33-14-49 W.			
2-10	J. P. Hansen	1.6			
		LODGEPOLE CREEK			
		Above Krueger Canal—Sec. 31-14-48 W.			
4-23	A. C. Hilpert	11.0	6- 5	A. C. Hilpert	14.0
5-12	do	18.6	7-21	do	7.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LODGEPOLE CREEK			
		Below Krueger's Lake—Sec. 29-14-48 W.			
2-10	J. P. Hansen	4.8	6-24	A. C. Hilpert	10.9
2-27	A. C. Hilpert	6.3	7-14	do	6.7
3-23	do	9.9	7-31	do	21.9
4-23	do	7.1	8-17	do	6.0
5-12	do	14.6	9- 3	do	8.3
6- 5	do	9.7	9-16	do	5.6
		LODGEPOLE CREEK			
		Rock Pile—NE corner of Sec. 33-14-48 W.			
2-27	A. C. Hilpert	6.7	7-14	A. C. Hilpert	6.9
3-23	do	11.2	7-31	do	29.7
4-26	do	10.4	8-17	do	5.2
5-12	do	19.0	9- 4	do	7.6
6- 5	do	11.4	9-17	do	.8
6-24	do	12.0			
		LODGEPOLE CREEK			
		South of Sunol—Sec. 36-14-48 W.			
2-27	A. C. Hilpert	1.3	7-14	A. C. Hilpert	10.1
3-23	do	2.3	7-31	do	2.3
4-26	do	3.4	8-17	do	4.6
5-12	do	15.6	9- 4	do	2.8
6- 5	do	6.8	9-17	do	2.4
6-24	do	9.7			
		LODGEPOLE CREEK			
		Lodgepole—Sec. 30-14-46 W.			
2-10	J. P. Hansen	3.7	7-14	A. C. Hilpert	4.9
3-23	A. C. Hilpert	10.7	7-30	do	2.2
4-26	do	9.8	8-18	do	5.5
5-12	do	27.7	9- 4	do	4.7
6- 5	do	19.4	9-17	do	1.5
6-23	do	17.8			
		LODGEPOLE CREEK			
		Chappel—Sec. 21-13-45 W.			
2-10	J. P. Hansen	14.1	6-23	A. C. Hilpert	25.4
2-28	A. C. Hilpert	7.9	7-14	do	7.1
3-21	do	16.7	7-30	do	7.5
4-26	do	23.0	8-18	do	.9
5-12	do	36.0	9- 4	do	6.8
6- 5	do	27.5	9-17	do	.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LODGEPOLE CREEK			
		Interstate Station at Ralton—Sec. 12-12-45 W.			
3-21	A. C. Hilpert	20.1	7-13	A. C. Hilpert	9.5
4-25	do	24.5	7-30	do	13.3
5-12	do	47.0	8-18	do	3.0
6- 4	do	32.7	9- 4	do	2.4
6-23	do	29.3	9-17	do	3.1
		LOGAN CREEK			
		Near Winslow—Sec. 10-19-8 E.			
6-25	D. E. Olson	118.0	9-24	D. E. Olson	58.9
		LOGAN CREEK			
		Uehling—Sec. 9-20-8 E.			
10- 1	L. F. Hanks	72	5- 1	C. V. Burns	78
10- 7	Ferrin-Bolon	315	5-15	C. H. Carstens	110
10-14	A. J. Ferrin	69	6- 1	C. V. Burns	62
11- 1	do	66	6-11	do	72
11-12	Burns-Hanks	40	6-20	do	304
12- 9	Burns-Ferrin	47	6-21	do	985
12-23	C. V. Burns	55	6-25	D. E. Olson	94
1- 7	Bolon-Burns	27	7- 1	C. V. Burns	345
1-21	A. J. Ferrin	57	7-21	do	94
2- 2	C. V. Burns	36	8- 1	do	55
3- 2	do	39	8-11	do	55
3- 9	Burns-Lewis	161	8-21	do	42
3-23	C. V. Burns	76	8-31	do	69
3-28	D. D. Lewis	242	9-16	do	90
4-10	C. V. Burns	105	9-21	do	89
		LONERGAN CREEK			
		Lemoyne—Sec. 19-15-39 W.			
10- 2	J. P. Hansen	5.7	4- 8	E. S. Kimmel	4.5
10-17	do	4.9	4-15	do	6.1
10-23	do	5.5	4-29	do	6.4
10-30	do	5.9	5- 7	do	7.5
11- 6	do	5.4	5-15	do	6.7
11-17	Melvin Kleen	5.8	5-27	do	5.4
11-25	do	6.1	6-10	do	6.0
12- 4	do	6.0	6-24	do	8.7
12-15	do	6.6	7-15	do	5.8
1-31	Ivan W. Bauer	6.8	7-27	do	6.5
2-13	J. P. Hansen	4.4	8-11	do	4.6
3- 7	Melvin Kleen	7.2	8-25	do	4.9
3-11	do	7.6	9- 9	do	3.7
3-21	do	5.4	9-23	do	4.4
4- 4	do	4.9			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LONG PINE CREEK			
		North of Riverview—North Line of Sec. 34-32-20 W.			
6- 3	D. E. Olson	119.0	9-10	D. E. Olson	109.0
		LOOKING GLASS CREEK			
		Near Genoa—Sec. 5-17-3 W.			
9- 5	D. E. Olson	7.8			
		LOOKING GLASS CREEK CUT-OFF			
		Genoa—Sec. 8-17-3 W.			
6-26	D. E. Olson	7.7	9- 5	D. E. Olson	10.4
		LOST CREEK			
		Above Robinson Dam—Sec. 23-17-44 W.			
8-10	E. S. Kimmel	0.6			
		LOST CREEK			
		Fifty Feet below Robinson Dam—Sec. 23-17-44 W.			
8-10	E. S. Kimmel	0.4			
		LOST CREEK			
		Sec. 1-16-44 W.			
10-22	J. P. Hansen	0.0	6- 8	E. S. Kimmel	1.6
11- 1	do	.0	6-16	do	1.7
4-13	E. S. Kimmel	.0	7-14	do	.6
4-21	do	.0	8-10	do	.0
5- 7	do	.0	9-11	do	.0
5-11	do	11.4	9-17	do	.3
5-19	do	10.9	9-25	do	.0
6- 2	do	3.5			
		LOST CREEK			
		Near Naper—South Line Sec. 13-34-16 W.			
9-10	D. E. Olson	0.0			
		LOST CREEK			
		Near Santee—Sec. 8-32-5 W.			
9-12	D. E. Olson	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LOUP RIVER			
		Columbus—Sec. 30-17-1 E.			
10- 3	W. L. Phillips	483	4-13	W. L. Phillips	317
10-10	do	167	4-20	C. V. Burns	271
10-17	do	151	4-27	W. L. Phillips	294
10-24	do	166	5- 6	do	2280
11- 1	do	166	5-11	C. V. Burns	1440
11-10	do	158	5-18	W. L. Phillips	1180
11-17	do	227	5-25	do	399
11-26	do	259	6- 2	C. H. Carstens	2610
12- 5	do	342	6-10	W. L. Phillips	303
12-15	do	147	6-17	do	772
12-23	do	205	6-22	do	5660
12-30	do	86	7- 1	do	1230
1- 9	Bolon-Burns	117	7- 7	do	315
1-12	W. L. Phillips	156	7-13	C. V. Burns	191
1-21	do	1280	7-21	W. L. Phillips	102
1-29	do	2890	7-27	do	108
2- 6	do	1700	8- 3	C. V. Burns	123
2-27	do	441	8-10	W. L. Phillips	1620
3- 9	do	1590	8-18	do	220
3-17	Hanks-Olson	624	8-24	C. V. Burns	76
3-24	W. L. Phillips	574	9- 6	Loup River Power Co.	4540
3-31	D. E. Olson	927	9-22	C. V. Burns	279
4- 1	W. L. Phillips	558	9-23	W. L. Phillips	296
4- 6	do	468	9-28	do	313
		LOUP RIVER, MIDDLE			
		Dunning—Sec. 33-22-24 W.			
5-13	D. E. Olson	816	7-23	D. E. Olson	377
6-16	do	428	8-14	do	366
7- 7	do	341	9-17	do	395
		LOUP RIVER, MIDDLE			
		Walworth—Sec. 1-19-20 W.			
10- 1	Carstens-Hervert-Ball	883	2-25	A. Ferrin	775
10-14	C. H. Carstens	750	3-20	Hanks-Olson	944
10-16	A. J. Ferrin	803	4- 2	D. E. Olson	946
10-28	Ferrin-Bolon	810	4-10	do	830
11-13	A. J. Ferrin	768	4-24	Burns-Olson	955
11-27	do	901	5- 2	D. E. Olson	1310
12-11	Burns-Ferrin	382	5- 8	do	1090
1-11	Bolon-Burns	608	5-14	Burns-Olson	1280
1-22	C. V. Burns	839	5-21	D. E. Olson	952

(Concluded on next page)

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LOUP RIVER, MIDDLE			
		Walworth—Concluded			
6- 3	C. H. Carstens	739	7-24	D. E. Olson	677
6-17	D. E. Olson	815	8- 5	C. V. Burns	655
6-24	C. V. Burns	750	8-15	D. E. Olson	706
6-24	do	788	8-27	C. V. Burns	686
7- 8	D. E. Olson	708	9- 9	do	725
7-16	C. V. Burns	683	9-18	D. E. Olson	882
		LOUP RIVER, MIDDLE			
		Arcadia—Sec. 26-17-16 W.			
10- 1	Carstens-Hervert-Ball	849	5- 2	D. E. Olson	1160
10-15	Carstens-Travis	816	5- 8	do	1080
10-16	A. J. Ferrin	798	5-15	Burns-Olson	1250
10-28	Ferrin-Bolon	893	5-21	D. E. Olson	911
11-13	A. J. Ferrin	858	6- 4	C. H. Carstens	788
11-27	do	870	6-17	D. E. Olson	826
12-11	Ferrin-Burns	148	6-25	C. V. Burns	961
12-31	C. V. Burns	452	7- 8	D. E. Olson	688
1-11	Bolon-Burns	647	7-16	C. V. Burns	435
1-22	C. V. Burns	999	7-25	D. E. Olson	370
2- 4	A. J. Ferrin	1340	8- 5	C. V. Burns	412
3-20	Hanks-Olson	919	8-17	D. E. Olson	656
4- 2	D. E. Olson	945	8-27	C. V. Burns	593
4-11	do	901	9- 9	do	860
4-24	Burns-Olson	950	9-18	D. E. Olson	1030
		LOUP RIVER, MIDDLE			
		Boelus—Sec. 29-13-12 W.			
10- 7	C. H. Carstens	296	6- 5	C. H. Carstens	164
10-17	A. J. Ferrin	100	6-18	D. E. Olson	185
10-28	Ferrin-Bolon	360	7- 9	do	61
11-12	A. J. Ferrin	211	7-16	Olson-Hanks	13
11-28	do	275	7-17	C. V. Burns	12
12-13	Ferrin-Burns	168	7-27	D. E. Olson	23
1- 2	C. V. Burns	77	8- 6	Burns-Olson	104
1-12	Bolon-Burns	529	8-18	D. E. Olson	85
2- 5	A. J. Ferrin	903	8-27	C. V. Burns	38
3-21	Olson-Hanks	457	9- 3	do	4120
4- 3	D. E. Olson	300	9- 4	D. E. Olson	1920
4-14	do	474	9- 8	C. V. Burns	313
5- 4	do	747	9-15	D. E. Olson	196
5-15	C. V. Burns	847	9-21	Stuck-Jones	96
5-26	D. E. Olson	167	9-29	D. E. Olson	170

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LOUP RIVER, MIDDLE			
		St. Paul—Sec. 10-14-10 W.			
10- 2	C. H. Carstens	983	5-28	Phillips and Party	741
10-13	do	885	6- 5	C. H. Carstens	1010
10-30	W. L. Phillips	953	6-10	D. E. Olson	3870
11-29	A. J. Ferrin	1040	6-18	Phillips-Stuck	872
12-12	Burns-Ferrin	237	6-26	C. V. Burns	2440
12-30	C. V. Burns	424	7- 3	D. E. Olson	1350
1-10	Burns-Bolon	367	7- 9	W. L. Phillips	630
2-27	A. Ferrin	531	7-15	C. V. Burns	650
3-21	Hanks-Olson	1220	7-22	Phillips-Stuck	416
3-27	W. L. Phillips	1370	7-30	D. E. Olson	628
4- 4	D. E. Olson	1220	8- 6	Burns-Olson	1980
4- 9	W. L. Phillips	1160	8-13	Loup River Power Co.	823
4-16	do	952	8-19	D. E. Olson	751
4-22	Burns-Olson	1060	8-25	C. V. Burns	667
5- 3	D. E. Olson	1920	9- 3	Loup River Power Co.	13200
5- 7	W. L. Phillips	1640	9- 7	C. V. Burns	1450
5-13	C. V. Burns	1410	9-19	D. E. Olson	1300
5-22	D. E. Olson	1190	9-24	Loup River Power Co.	944
		LOUP RIVER, NORTH			
		Taylor—Sec. 22-21-18 W.			
10-14	C. H. Carstens	396	5- 7	D. E. Olson	1160
10-15	A. J. Ferrin	378	5-14	do	1380
10-29	Ferrin-Bolon	435	5-14	Burns-Olson	1280
11-13	A. J. Ferrin	452	5-20	D. E. Olson	735
11-26	do	420	6- 3	C. H. Carstens	371
12- 1	Burns-Ferrin	428	6-15	D. E. Olson	386
12-31	C. V. Burns	370	6-24	C. V. Burns	446
1- 9	Bolon-Burns	339	7- 6	D. E. Olson	331
1-21	C. V. Burns	545	7-16	C. V. Burns	222
2- 4	A. J. Ferrin	541	7-24	D. E. Olson	171
2-25	do	344	8- 4	C. V. Burns	159
3-19	Hanks-Olson	445	8-14	D. E. Olson	346
4- 1	D. E. Olson	567	8-26	C. V. Burns	224
4-10	do	422	9- 9	do	399
4-24	Burns-Olson	466	9-16	D. E. Olson	391
5- 1	D. E. Olson	1698			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LOUP RIVER, NORTH			
		Scotia—Sec. 8-17-12 W.			
10-14	C. H. Carstens	775	5-13	C. V. Burns	2280
10-16	A. J. Ferrin	709	5-21	D. E. Olson	972
10-29	Ferrin-Bolon	1070	6- 4	C. H. Carstens	797
11-27	A. J. Ferrin	836	6-17	D. E. Olson	783
12-12	Burns-Ferrin	336	6-25	C. V. Burns	953
12-30	C. V. Burns	534	7- 9	D. E. Olson	574
1-10	Bolon-Burns	557	7-15	C. V. Burns	422
2- 5	A. J. Ferrin	1070	7-25	D. E. Olson	255
3-20	Hanks-Olson	929	8- 5	C. V. Burns	271
4- 3	D. E. Olson	903	8-17	D. E. Olson	511
4-11	do	865	8-26	C. V. Burns	357
4-23	Burns-Olson	783	9- 3	D. E. Olson	2820
5- 2	D. E. Olson	1910	9-10	C. V. Burns	745
5- 8	do	1510	9-19	D. E. Olson	726
		LOUP RIVER, NORTH			
		St. Paul—Sec. 22-15-10 W.			
10- 3	C. H. Carstens	787	5-28	W. L. Phillips	629
10-13	do	708	6- 5	C. H. Carstens	774
10-30	W. L. Phillips	847	6-10	D. E. Olson	2830
11-28	A. J. Ferrin	923	6-12	do	3380
12-12	Ferrin-Burns	410	6-18	Phillips-Stuck	702
12-30	C. V. Burns	539	6-20	D. E. Olson	9200
1- 9	Bolon-Burns	520	6-25	C. V. Burns	1020
1-23	C. V. Burns	906	7- 3	D. E. Olson	779
2-27	A. J. Ferrin	479	7- 9	Field Party	559
3-12	W. L. Phillips	910	7-15	C. V. Burns	474
3-21	Hanks-Olson	970	7-22	Field Party	234
3-27	W. L. Phillips	1420	7-30	D. E. Olson	324
4- 6	D. E. Olson	1290	8- 5	C. V. Burns	307
4- 9	W. L. Phillips	945	8-13	Field Party	424
4-16	do	726	8-19	D. E. Olson	572
4-22	Burns-Olson	809	8-25	C. V. Burns	333
5- 3	D. E. Olson	1910	9- 3	Field Party	4430
5- 7	W. L. Phillips	1460	9- 7	C. V. Burns	925
5-13	C. V. Burns	6740	9-19	D. E. Olson	805
5-22	D. E. Olson	1150	9-24	Loup River Power Co.	654
		LOUP RIVER, SOUTH			
		Callaway—Sec. 2-15-23 W.			
5-25	D. E. Olson	97.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		LOUP RIVER, SOUTH			
		Ravenna—East Line of Sec. 17-12-14 W.			
10- 1	Carstens-Hervert-Ball	139	5-25	D. E. Olson	137
10-17	A. J. Ferrin	123	6- 5	C. H. Carstens	151
10-28	Bolon-Ferrin	132	6-18	D. E. Olson	166
11-12	A. J. Ferrin	143	6-26	C. V. Burns	703
11-28	do	142	7- 9	D. E. Olson	178
12-13	Burns-Ferrin	70	7-15	Hanks-Olson	110
1- 2	C. V. Burns	65	7-17	C. V. Burns	100
1-12	Bolon-Burns	106	7-27	D. E. Olson	117
1-23	C. V. Burns	212	8- 7	C. V. Burns	136
2- 6	A. J. Ferrin	231	8-18	D. E. Olson	128
2-26	do	124	8-28	C. V. Burns	120
3-21	Olson-Hanks	151	9- 2	L. F. Hanks	3670
4- 3	D. E. Olson	174	9- 3	Burns-Stuck	3260
4-14	do	101	9- 4	D. E. Olson	1300
4-25	Burns-Olson	220	9- 9	C. V. Burns	290
5- 4	D. E. Olson	251	9-15	D. E. Olson	217
5-16	C. V. Burns	195	9-29	do	180
		LOUSE CREEK			
		Redbird—Sec. 12-32-10 W.			
6- 4	D. E. Olson	4.3	9-11	D. E. Olson	2.8
		LOVELY CREEK			
		Near Franklin—Sec. 35-2-14 W.			
8-24	D. B. Ender	1.0			
		LUCK CREEK			
		Near Riverview—South Line Sec. 16-32-20 W.			
9- 9	D. E. Olson	0.0			
		McGILL CREEK			
		Near Norden—Sec. 25-33-24 W.			
9- 9	D. E. Olson	0.0			
		MAPLE CREEK			
		Near Nickerson—West Line of Sec. 11-18-8 E.			
9-24	D. E. Olson	1.5			
		MEDICINE CREEK			
		Maywood—Sec. 16-8-29 W.			
7-14	D. B. Ender	12.2			
		MEDICINE CREEK			
		Below Maywood—Sec. 25-8-29 W.			
7-14	D. B. Ender	12.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		MEDICINE CREEK			
		Cambridge—Sec. 18-4-25 W.			
10- 7	D. B. Ender	59	4-19	U. S. Bureau Reclamation	15000
10-15	Hanks-Ender	29	4-19	do	6580
10-21	D. B. Ender	51	4-20	Ender-Boise	734
10-29	do	52	4-21	D. B. Ender	312
11- 4	do	56	4-28	do	103
11-18	do	56	5- 6	do	90
11-24	do	28	5-13	do	98
12- 2	do	56	5-19	do	72
12-16	do	65	5-26	Burns-Ender	63
12-23	do	44	6- 2	D. B. Ender	68
12-30	do	47	6-11	do	57
1- 9	do	38	6-17	do	405
1-21	do	59	6-27	do	100
1-28	do	81	7- 7	do	51
2- 4	do	66	7-14	do	45
2-10	do	67	7-21	do	38
2-18	do	30	7-31	do	31
3- 4	do	68	8-11	do	64
3-11	do	87	8-25	do	10
3-20	do	68	9- 3	do	730
4- 1	do	68	9- 9	do	81
4-14	do	55	9-15	do	45
		MELBETA DRAIN			
		One-half Mile West of Melbeta Bridge—Sec. 13-21-54 W.			
10- 9	Ivan W. Bauer	2.2	6- 6	J. P. Hansen	2.1
3-12	J. P. Hansen	1.4	6-19	do	3.1
4- 6	do	1.0	7-18	do	9.5
4-15	do	1.1	8- 4	do	.0
4-21	do	1.5	8-11	do	.0
5- 6	do	2.6	8-25	do	.0
5-15	do	3.4	9-22	do	4.2
5-25	do	2.2	9-29	do	2.9
		MESKENTHINE CREEK			
		Stanton—Sec. 20-23-2 E.			
9-22	D. E. Olson	0.0			
		MESSENGER CREEK			
		Sumter—Sec. 26-19-13 W.			
8-20	D. E. Olson	0.0			
		METHODIST CREEK			
		3.4 Miles West of Republican City—Sec. 25-1-18 W.			
6- 2	D. B. Ender	1.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		MIDDLE CREEK			
		Near Bostwick—Sec. 4-1-8 W.			
8-24	D. B. Ender	0.1			
		MIDDLE CREEK, EAST			
		Near Norden—East Line of Sec. 29-33-23 W.			
9- 9	D. E. Olson	0.0			
		MINNECHADUZA CREEK			
		Near Valentine—Sec. 23-34-29 W.			
2-16	A. C. Hilpert	21.5	6-29	A. C. Hilpert	25.2
3-10	do	35.5	7-23	do	15.4
4- 8	do	41.8	8-12	do	15.2
5- 4	do	170.7	8-27	do	10.2
5-21	do	118.4	9-11	do	13.9
6-12	do	52.6	9-28	do	16.3
		MIRA CREEK			
		North Loup—Sec. 26-18-13 W.			
8-17	D. E. Olson	13.1			
		MOFFAT DRAIN			
		Above Tri-State—Sec. 22-22-53 W.			
7-10	J. P. Hansen	1.3			
		MONROE CREEK			
		Above Reservoir—Sec. 14-33-56 W.			
11-17	Ivan W. Bauer	0.6	7-21	A. C. Hilpert	0.9
2-11	A. C. Hilpert	.8	8- 5	do	.4
4-13	Hilpert-Rasmussen	1.1	8-24	do	.2
6-16	A. C. Hilpert	2.3	9- 9	do	.1
7- 7	do	.8	9-22	do	.6
		MONROE CREEK			
		Below Monroe Canal—Sec. 33-33-56 W.			
2-11	A. C. Hilpert	1.4	7-21	A. C. Hilpert	0.0
3- 9	do	1.8	8- 5	do	.0
4-13	do	2.0	8-24	do	.0
5-27	Hilpert-Rasmussen	2.1	9- 9	do	.0
6-16	A. C. Hilpert	2.1	9-22	do	0
7- 7	do	.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		MONROE CREEK			
		Above Jordan Reservoir—Sec. 23-33-56 W.			
3- 9	A. C. Hilpert	1.1			
		MONROE CREEK			
		Below Jordan Canal—Sec. 22-33-56 W.			
2-11	A. C. Hilpert	0.9			
		MOON CREEK			
		Loup City—Sec. 10-15-15 W.			
8-18	D. E. Olson	0.3			
		MORSE CREEK			
		Near Naper—Sec. 23-34-16 W.			
9-10	D. E. Olson	0.1			
		MUDDY CREEK			
		Arapahoe—Sec. 15-4-25 W.			
9-22	D. B. Ender	2.7			
		MUDDY CREEK			
		Ansley—Sec. 16-15-18 W.			
5-25	D. E. Olson	11.0	8-26	D. E. Olson	8.8
		MUDDY CREEK			
		Hazard—Sec. 29-13-15 W.			
5-25	D. E. Olson	28.3	8-12	D. E. Olson	23.8
		MULESHOE CREEK			
		Sec. 17-33-24 W.			
8-11	A. C. Hilpert	1.3			
		MULESHOE CREEK			
		Near Norden—Sec. 22-33-24 W.			
9- 9	D. E. Olson	0.2			
		MUNSON CREEK			
		Elba—Sec. 33-16-11 W.			
8-17	D. E. Olson	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		NINE MILE DRAIN			
		Minatare—Sec. 25-21-53 W.			
10- 7	Ivan W. Bauer	128.0	4-21	J. P. Hansen	75.5
10-14	do	117.0	5- 7	do	100.0
10-23	do	115.0	5-18	do	109.0
11-22	J. P. Hansen	84.5	5-25	do	91.9
12-12	do	86.4	6- 2	do	88.5
12-23	do	85.5	6- 9	do	105.0
1- 7	do	77.2	6-20	do	108.0
2- 5	do	84.7	7- 8	do	86.6
2-17	do	79.4	7-14	do	124.0
2-27	do	75.2	7-28	do	152.0
3- 5	do	78.5	8-11	do	172.0
3-11	do	75.4	8-22	do	154.0
4- 2	Hansen-Kimmel	72.4	9- 1	do	179.0
4- 6	J. P. Hansen	69.7	9-11	do	174.0
4-14	do	71.1			
		NIOBRARA RIVER			
		Wyoming-Nebraska State Line—Sec. 20-31-58 W.			
11-18	Ivan W. Bauer	5.0	7- 2	A. C. Hilpert	7.6
2-20	Hilpert-Rasmussen	5.1	7-20	do	3.3
3- 5	do	5.3	8- 6	do	4.5
4-15	do	5.5	8-25	do	4.1
5-29	A. C. Hilpert	8.8	9-10	do	3.3
6-17	do	10.0	9-23	do	1.2
		NIOBRARA RIVER			
		South of Harrison—Sec. 9-29-56 W.			
11-18	Ivan W. Bauer	8.4	7-20	A. C. Hilpert	6.4
3- 7	Hilpert-Rasmussen	1.3	8- 6	do	9.6
4-15	do	8.6	8-25	do	6.6
5-29	A. C. Hilpert	18.0	9-10	do	6.6
6-17	do	17.1	9-23	do	5.9
7- 2	do	12.5			
		NIOBRARA RIVER			
		Agate—Sec. 7-28-55 W.			
11-20	Ivan W. Bauer	8.8	7- 2	A. C. Hilpert	13.1
2-21	Hilpert-Rasmussen	17.2	7-20	do	7.9
3- 7	do	7.8	8- 6	do	8.4
4-15	do	17.4	8-25	do	7.8
5-29	A. C. Hilpert	27.4	9-10	do	12.0
6-17	do	15.8	9-23	do	9.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		NIOBRARA RIVER			
		Below Mouth of Whistle Creek—Sec. 7-28-53 W.			
11-20	Ivan W. Bauer	4.9	7- 2	A. C. Hilpert	12.5
2-21	Hilpert-Rasmussen	18.2	7-20	do	6.6
3- 7	do	54.2	8- 6	do	8.1
4-15	do	23.9	8-25	do	4.0
5-29	A. C. Hilpert	42.4	9-10	do	5.7
6-15	do	23.4	9-23	do	10.8
		NIOBRARA RIVER			
		East of Marsland—Sec. 36-29-51 W.			
10-16	K. S. Essex	16.9	7- 3	A. C. Hilpert	30.3
11-20	Ivan W. Bauer	6.4	7-22	do	21.7
2-21	Hilpert-Rasmussen	22.6	8- 7	do	26.1
3- 7	do	25.8	8-26	do	16.2
4-15	do	39.4	9-10	do	14.4
5-29	A. C. Hilpert	56.2	9-24	do	18.6
6-15	do	46.0			
		NIOBRARA RIVER			
		Dunlap—Sec. 27-29-48 W.			
10-16	K. S. Essex	22.5	6-26	A. C. Hilpert	84.3
11-20	Ivan W. Bauer	29.2	7- 8	do	53.3
2-10	A. C. Hilpert	51.6	7-16	do	39.3
3- 3	do	52.2	7-28	do	34.8
3-13	do	69.8	8- 3	do	32.2
4- 2	do	63.6	8-13	do	34.6
4-16	do	54.3	8-20	do	26.8
4-28	do	98.9	8-31	do	28.1
5- 8	do	115.0	9- 5	do	27.8
6- 1	do	86.1	9-14	do	28.7
6- 8	do	121.0	9-19	do	34.8
6-15	do	74.6	9-29	do	34.0
		NIOBRARA RIVER			
		South of Gordon—Sec. 15-31-41 W.			
10-17	K. S. Essex	90	6-29	A. C. Hilpert	201
2-12	A. C. Hilpert	201	7-23	do	101
3-10	do	183	8-10	do	125
4- 6	do	133	8-27	do	74
5- 4	do	356	9-11	do	96
5-21	do	431	9-28	do	114
6-10	do	247			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		NIOBRARA RIVER			
		Valentine—Sec. 28-33-28 W.			
2-13	A. C. Hilpert	795	6-30	A. C. Hilpert	771
2-14	do	763	7-24	do	722
3-11	do	852	8-12	do	717
4- 7	do	741	8-28	do	577
5- 1	do	1908	9-12	do	695
5-20	do	1440	9-26	do	727
6-11	do	1058			
		NIOBRARA RIVER			
		Below Dam at Valentine—Sec. 22-34-27 W.			
3-11	A. C. Hilpert	864	7-24	A. C. Hilpert	709
4- 7	do	792	8-12	do	736
5- 1	do	2052	8-28	do	629
5-20	do	1457	9-12	do	767
6-11	do	975	9-26	do	743
6-30	do	781			
		NIOBRARA RIVER			
		Three Miles South of Butte—Sec. 9-33-13			
7-21	D. E. Olson	1223			
		NIOBRARA RIVER			
		Spencer—Sec. 30-33-11 W.			
5-11	L. F. Hanks	8840	5-12	L. F. Hanks	5970
		NIOBRARA RIVER			
		Bridge below Spencer Power House—Sec. 30-33-11 W.			
7-21	D. E. Olson	1499			
		OAK CREEK			
		Near Mariaville—Sec. 6-32-18 W.			
9-10	D. E. Olson	0.2			
		OAK CREEK			
		Dannebrog—West Line of Sec. 9-13-11 W.			
6-19	D. E. Olson	0.9	9-15	D. E. Olson	12.1
8-18	do	.0			
		OAK CREEK			
		West Lincoln—West Line of Sec. 16-10-6 E.			
4-20	D. E. Olson	4.5			
		OMAHA CREEK			
		Homer—West Line of Sec. 1-27-8 E.			
9-23	D. E. Olson	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		O'NEILL VALLEY CREEK			
		Near Albion—Sec. 25-20-6 W.			
9- 7	D. E. Olson	0.0			
		OTTER CREEK			
		Sec. 5-15-41 W.			
5-16	E. S. Kimmel	22.4	7-27	E. S. Kimmel	20.1
5-27	do	18.4	8-11	do	21.3
6-10	do	22.3	8-15	do	20.9
6-24	do	24.8	9- 9	do	18.2
7-15	do	21.0	9-23	do	20.2
		OTTER CREEK			
		Lemoyne—Sec. 9-15-40 W.			
10- 2	J. P. Hansen	17.0	3- 2	J. P. Hansen	20.9
10-17	do	18.5	3-11	Melvin Kleen	20.6
10-23	do	18.9	3-21	do	20.5
10-30	do	18.0	4- 4	do	17.5
11- 6	do	18.0	4- 8	E. S. Kimmel	21.5
11-17	Melvin Kleen	20.9	4-15	do	23.0
11-25	do	21.7	4-22	do	21.1
12- 4	do	19.9	4-29	do	21.4
12-15	do	21.1	5- 7	do	21.8
1-31	Bauer-Hilpert	21.6	5-16	do	21.8
2-13	J. P. Hansen	22.1			
		PAWNEE CREEK			
		Sec. 4-12-27 W.			
10-10	Melvin Kleen	1.8	5-27	Melvin Kleen	6.3
10-28	do	2.1	6-16	do	8.3
11-15	do	2.7	7- 9	do	4.9
12- 5	do	3.8	7-26	do	3.6
1-17	do	4.4	8- 6	do	3.4
2- 4	Bauer-Hilpert	12.1	8-13	do	7.7
3-17	Melvin Kleen	9.5	8-21	do	4.2
4-15	do	5.4	9-12	do	5.0
4-20	do	29.3	9-19	do	6.1
		PEBBLE CREEK			
		Scribner—Sec. 4-19-7 E.			
6-25	D. E. Olson	2.3	9-24	D. E. Olson	4.0
		PERRIN CREEK			
		Laurel—East Line of Sec. 32-29-3 E.			
6- 6	D. E. Olson	5.6	9-22	D. E. Olson	5.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		PIGEON CREEK			
		Homer—Sec. 34-28-8 E.			
9-28	D. E. Olson	0.0			
		PINE CREEK			
		Colclesser Mill—Sec. 33-30-44 W.			
10-17	K. S. Essex	17.2	6-10	A. C. Hilpert	16.8
11-24	Ivan W. Bauer	21.2	6-29	do	31.4
2-12	A. C. Hilpert	30.1	7-23	do	13.4
3-10	do	42.8	8-10	do	12.6
4- 6	do	22.9	9-11	do	14.7
5- 4	do	90.0			
		PISHEL CREEK			
		Pishelville—Sec. 26-32-8 W.			
6- 5	D. E. Olson	0.0	9-12	D. E. Olson	0.0
		PLEASANT RUN CREEK			
		Stanton—Sec. 25-23-1 E.			
9-22	D. E. Olson	0.0			
		PLUM CREEK			
		U.P.R.R. Bridge—Sec. 10-19-49 W.			
4-20	E. S. Kimmel	0.0	9-11	E. S. Kimmel	0.0
5- 4	do	.0	9-19	do	.0
5-18	do	.0	9-26	do	.0
6- 6	do	.0			
		PLUM CREEK			
		Near Meadville—Sec. 11-32-22 W.			
6- 2	D. E. Olson	138.0	9- 9	D. E. Olson	87.2
		PLUM CREEK			
		Sec. 11-8-21 W.			
4-27	E. S. Kimmel	0.0			
		PLUM CREEK			
		Near Fullerton—Sec. 33-17-5 W.			
9- 5	D. E. Olson	20.3			
		PLUM CREEK			
		Seward—Sec. 21-11-3 E.			
9-25	D. E. Olson	0.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		PLUM CREEK			
		Near Beemer—South Line of Sec. 4-22-6 E.			
9-23	D. E. Olson	0.3			
		PONCA CREEK			
		At Verdel—East Line of Sec. 25-33-8 W.			
6- 4	D. E. Olson	1778.0	9-11	D. E. Olson	8.4
		PRAIRIE CREEK			
		Near Grand Island—South Line of Sec. 16-12-9 W.			
8-19	D. E. Olson	0.1			
		PRAIRIE DOG CREEK			
		Near Kansas-Nebraska Line—Sec. 32-1-18 W.			
9-22	D. B. Ender	20.2			
		PRAIRIE DOG CREEK			
		Above D-508, Schilt-Prairie Dog Canal—Sec. 35-33-56 W.			
11-18	Ivan W. Bauer	0.1	4-13	Hilpert-Rasmussen	0.0
		PRAIRIE DOG CREEK			
		Below D-508, Schilt-Prairie Dog Canal—Sec. 35-33-56 W.			
2-11	Hilpert-Rasmussen	0.0	7-21	A. C. Hilpert	0.0
3- 5	do	.0	8- 5	do	.0
5-27	do	.0	8-25	do	.0
6-16	A. C. Hilpert	.0	9- 9	do	.0
7- 7	do	.0	9-22	do	.0
		PRAIRIE DOG CREEK			
		Sec. 17-33-55 W.			
2-20	Hilpert-Rasmussen	0.0	3- 9	A. C. Hilpert	0.5
		PROSSER CREEK			
		Near Riverview—Sec. 24-33-20 W.			
9- 9	D. E. Olson	0.0			
		PUMPKINSEED CREEK			
		Gering-Kimball Highway—Sec. 4-19-55 W.			
4-21	A. C. Hilpert	1.1	7-29	A. C. Hilpert	1.8
5-14	do	22.0	8-14	do	1.8
6-20	do	5.3	9- 2	do	2.9
7-11	do	2.2	9-15	do	1.9
		PUMPKINSEED CREEK			
		Sec. 2-19-55 W.			
4-21	A. C. Hilpert	4.7			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		PUMPKINSEED CREEK			
		Above Heard Canal—North Line of Sec. 14-19-54 W.			
4-21	A. C. Hilpert	4.4	8-14	A. C. Hilpert	2.3
5-14	do	31.4	9- 2	do	7.9
6-20	do	7.3	9-15	do	3.3
7-11	do	1.9	9-30	do	11.9
7-29	do	4.2			
		PUMPKINSEED CREEK			
		North of Redington—Sec. 24-19-52 W.			
4-20	A. C. Hilpert	14.0	7-29	A. C. Hilpert	10.0
5-14	do	55.9	8-14	do	11.7
6-20	do	18.7	9- 2	do	8.7
7-10	do	10.6	9-15	do	9.7
		PUMPKINSEED CREEK			
		Highway No. 88, 5 Miles South of Bridgeport—Sec. 28-19-50 W.			
4-20	A. C. Hilpert	8.0	7-29	A. C. Hilpert	5.8
5- 9	do	48.8	8-14	do	6.7
6- 3	do	25.9	9- 2	do	7.4
6-19	do	27.2	9-15	do	8.9
7-10	do	25.6	9-30	do	11.8
		PUMPKINSEED CREEK			
		Mouth—Sec. 12-19-50 W.			
10- 6	J. P. Hansen	43.7	5- 4	E. S. Kimmel	78.1
10-13	do	40.8	5-11	do	61.5
10-20	do	22.7	5-16	Hansen-Hilpert	75.6
10-28	do	22.1	5-18	E. S. Kimmel	67.0
11- 3	do	25.4	5-25	do	70.3
11-17	do	31.6	6- 1	do	46.0
11-24	do	35.0	6- 6	do	42.8
12- 1	do	32.0	6-15	do	57.2
12-15	do	34.9	6-22	do	41.8
1-10	do	28.6	6-29	do	40.7
1-17	do	30.5	7- 9	A. C. Hilpert	18.2
1-28	Hilpert-Bauer	33.5	7-13	E. S. Kimmel	24.9
2- 5	J. P. Hansen	35.6	7-26	do	17.2
2-16	do	34.5	8- 1	do	17.3
2-24	do	31.2	8- 8	Essex-Kimmel	23.5
3- 5	do	40.4	8-17	E. S. Kimmel	15.0
3-11	do	36.2	8-22	do	16.1
3-21	do	37.1	8-29	do	11.8
3-30	Kimmel-Essex	38.1	9- 5	do	20.6
4- 6	E. S. Kimmel	38.2	9-12	do	20.0
4-13	do	21.1	9-17	Hansen-Essex-Hanks	25.4
4-20	do	16.2	9-19	E. S. Kimmel	26.2
4-27	do	36.0	9-26	do	44.6
5- 2	J. P. Hansen	88.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		RAWHIDE CREEK AND CUT-OFF			
		Sec. 5-16-10 E.			
6- 1	C. V. Burns	7.4			
		RAWHIDE CUT-OFF			
		Elk City—West Line of Sec. 4-16-10 E.			
9-24	D. E. Olson	0.6			
		RAWHIDE CREEK			
		Near Waterloo—Sec. 16-16-10 E.			
6- 1	C. V. Burns	8.6	9-24	D. E. Olson	7.5
		REDBIRD CREEK			
		At Redbird—East Line of Sec. 11-32-10 W.			
6- 4	D. E. Olson	22.7	9-11	D. E. Olson	8.8
		RED CREEK, LITTLE			
		Below Zerbst Canal—Sec. 34-33-56 W.			
4-13	Hilpert-Rasmussen	0.0	8- 5	A. C. Hilpert	0.0
6-16	A. C. Hilpert	.0	8-24	do	.0
7- 7	do	.0	9- 9	do	.0
7-21	do	.0	9-22	do	.0
		RED WILLOW CREEK			
		Near Bayard—Sec. 7-20-51 W.			
10- 7	Ivan W. Bauer	93.7	5- 8	J. P. Hansen	65.1
10-15	do	84.8	5-11	do	112.0
11-24	J. P. Hansen	77.9	5-18	do	92.8
11-29	do	78.5	5-25	do	238.0
12-13	do	67.9	6- 1	do	209.0
12-22	do	65.4	6- 8	do	206.9
1- 7	do	66.0	6-15	do	196.0
2- 5	do	59.0	6-23	do	201.0
2-17	do	56.1	7- 8	do	47.7
3- 5	do	51.3	7-13	do	57.8
3-11	do	52.4	7-27	do	87.4
3-31	E. S. Kimmel	54.9	8-10	do	69.8
4- 6	J. P. Hansen	50.5	8-17	do	62.6
4-13	do	48.6	8-24	do	65.9
4-20	do	54.0	8-31	do	89.5
4-24	do	112.0	9-19	do	160.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		RED WILLOW CREEK			
		North of McCook—Sec. 6-4-29 W.			
10- 1	D. B. Ender	26.9	4-20	D. B. Ender	155.0
10- 8	do	28.4	4-21	do	114.0
10-22	do	20.7	4-25	do	85.4
10-27	do	21.3	5- 2	do	47.4
11- 5	do	25.2	5-18	do	38.6
11-18	do	22.6	5-27	Burns-Ender	24.9
12- 2	do	23.3	6-11	D. B. Ender	25.4
12-16	do	23.5	6-17	do	88.0
1- 2	do	19.5	6-24	do	1460.0
1-11	do	16.4	6-27	do	63.5
1-24	do	30.3	7- 8	do	23.7
2- 4	do	30.6	7-22	do	9.6
2-19	do	23.4	7-31	do	9.6
3- 5	do	68.6	8-12	do	16.5
3-11	do	45.6	8-22	do	13.1
3-20	do	34.8	9- 5	do	108.0
4- 1	do	29.9	9-16	do	20.9
4-15	do	21.6	9-23	do	19.1
4-19	do	767.0			
		RED WILLOW CREEK			
		Red Willow—Sec. 8-3-28 W.			
10- 8	D. B. Ender	35.8	4-19	D. B. Ender	2590.0
10-15	Hanks-Ender	26.3	4-20	do	290.0
10-22	D. B. Ender	26.4	4-23	do	115.0
10-29	do	29.1	4-25	do	108.0
11- 5	do	29.6	4-28	do	67.0
11-18	do	26.8	5- 6	do	51.2
12- 2	do	28.2	5-12	do	45.7
12-16	do	29.3	5-27	Burns-Ender	31.2
12-30	do	29.1	6-11	D. B. Ender	31.7
1- 9	do	21.0	6-17	do	97.5
1-21	do	32.2	6-24	do	1170.0
1-29	do	38.9	7- 8	do	30.8
2- 4	do	35.6	7-22	do	16.5
2-18	do	31.2	7-31	do	14.0
3- 5	do	225.0	8-12	do	24.1
3-11	do	50.8	8-22	do	16.4
3-20	do	42.3	9-10	do	74.6
4- 1	do	36.6	9-23	do	22.8
4-15	do	28.7			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		REPUBLICAN RIVER			
		Colorado-Nebraska Line—Sec. 10-1-42 W.			
10- 3	D. B. Ender	61.4	4-24	D. B. Ender	86.9
10-10	do	58.0	4-29	do	67.3
10-18	do	55.7	5- 7	do	71.5
10-24	do	62.2	5-15	do	67.9
10-31	do	58.4	5-21	do	59.5
11- 6	do	60.8	5-28	do	54.2
11-20	do	68.1	6- 3	do	15.7
11-26	do	66.3	6-12	do	41.3
12- 4	do	68.2	6-18	do	51.2
12-18	do	62.6	6-25	do	63.3
12-24	do	69.3	7- 2	do	54.7
1- 3	do	59.8	7- 9	do	17.6
1-13	do	68.5	7-15	do	8.5
1-23	do	70.8	7-23	do	7.3
1-30	do	84.0	7-30	do	5.3
2- 6	do	80.7	8- 6	do	9.2
2-11	do	66.9	8-13	do	14.4
2-20	do	69.6	8-20	do	13.2
2-27	do	69.9	8-28	do	9.4
3- 7	do	85.5	9- 2	do	166.0
3-17	do	68.8	9-11	do	56.7
4- 3	do	61.1	9-25	do	43.1
4-17	do	65.3			
		REPUBLICAN RIVER, NORTH FORK			
		Benkelman—Sec. 19-1-37 W.			
4-16	D. B. Ender	99.9	7-24	D. B. Ender	10.4
4-30	do	122.0	8- 7	do	30.6
5-15	do	100.1	9-12	do	99.0
5-28	do	66.1	9-25	do	73.5
6-19	do	88.5			
		REPUBLICAN RIVER, SOUTH FORK			
		Benkelman—Sec. 31-1-37 W.			
10- 2	D. B. Ender	62.7	12-24	D. B. Ender	2.4
10- 9	do	49.3	1- 4	do	9.5
10-14	Ender-Hanks	41.0	1-13	do	20.3
10-23	D. B. Ender	240.0	1-22	do	58.4
10-30	do	90.6	1-30	do	124.0
11- 6	do	61.4	2- 5	do	209.0
11-19	do	58.0	2-11	do	99.0
11-25	do	38.4	2-20	do	15.2
12- 3	do	58.6	2-26	do	51.2
12-17	do	98.6	3- 7	do	136.0

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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
REPUBLICAN RIVER, SOUTH FORK					
Benkelman—Concluded					
3-12	D. B. Ender	104.0	6-25	D. B. Ender	136.0
3-21	do	89.0	7- 3	do	37.4
3-28	do	81.1	7- 9	do	174.0
4- 2	do	56.2	7-15	do	6.1
4-16	do	39.6	7-24	do	30.2
4-24	do	120.0	7-30	do	.0
4-30	do	88.4	8- 4	do	691.0
5- 7	do	90.1	8- 7	do	141.0
5-15	do	61.9	8-13	do	91.6
5-21	do	59.2	8-20	do	31.2
5-28	C. V. Burns	29.0	8-28	do	12.7
6- 3	D. B. Ender	12.7	9- 3	do	243.0
6-10	do	607.0	9-12	do	46.3
6-12	do	138.9	9-25	do	24.8
6-19	do	114.0			
REPUBLICAN RIVER					
Max—Sec. 32-2-36 W.					
10- 2	D. B. Ender	182.0	4- 2	D. B. Ender	173.0
10- 9	do	162.0	4-16	do	127.0
10-14	Hanks-Ender	119.0	4-24	Ender-Gerlach	303.0
10-23	D. B. Ender	340.0	4-30	D. B. Ender	232.0
10-30	do	200.0	5- 7	do	229.0
11- 6	do	169.0	5-15	do	162.0
11-19	do	158.0	5-21	do	185.0
11-25	do	131.0	5-28	Burns-Gerlach	94.4
12- 3	do	160.0	6- 3	D. B. Ender	52.2
12-17	do	230.0	6-10	do	789.0
12-24	do	106.0	6-12	do	470.0
1- 2	do	46.6	6-19	do	228.0
1-10	do	83.5	6-25	do	271.0
1-22	do	252.0	7- 3	do	96.2
1-30	do	397.0	7- 9	do	114.0
2- 5	do	471.0	7-15	do	14.2
2-11	do	266.0	7-24	do	40.2
2-19	do	41.9	7-30	do	3.8
2-26	do	153.0	8- 4	do	829.0
3- 6	do	704.0	8- 7	do	188.0
3-12	do	286.0	8-13	do	140.0
3-14	do	2970.0	8-20	do	36.8
3-16	do	760.0	8-28	do	12.5
3-18	do	220.0	9- 3	do	628.0
3-21	do	217.0	9-12	do	143.0
3-28	do	228.0	9-25	do	88.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		REPUBLICAN RIVER			
		Culbertson—Secs. 17 and 20-3-31 W.			
10- 1	D. B. Ender	216.0	3-21	D. B. Ender	241.0
10- 9	do	152.0	3-28	do	280.0
10-15	Hanks-Ender	112.0	4- 2	do	167.0
10-23	D. B. Ender	520.0	4-15	do	118.0
10-30	do	222.0	4-24	do	368.0
11- 5	do	191.0	4-30	do	309.6
11-19	do	157.0	5- 8	do	240.0
11-25	do	37.3	5-20	do	183.0
11-26	do	300.0	5-28	C. V. Burns	115.0
12- 3	do	157.0	6- 6	D. B. Ender	34.7
12-17	do	236.0	6-10	do	728.0
12-23	do	191.0	6-20	do	244.0
12-31	do	22.4	6-27	do	257.0
1-10	do	23.6	7- 8	do	48.7
1-22	do	63.8	7-16	do	4.8
1-29	do	452.0	7-22	do	.2
2- 5	do	450.0	7-30	do	.0
2-10	do	340.0	8- 4	do	3080.0
2-19	do	26.5	8- 7	do	185.0
2-26	do	91.5	8-12	do	149.0
3- 5	do	785.0	8-20	do	37.6
3-12	do	401.0	8-28	do	3.0
3-14	do	3230.0	9- 5	do	348.0
3-16	do	1030.0	9-16	do	234.0
3-18	do	351.0	9-26	do	86.7
		REPUBLICAN RIVER			
		McCook—Sec. 32-3-29 W.			
5-20	D. B. Ender	384.0	7-27	D. B. Ender	7.6
		REPUBLICAN RIVER			
		Bloomington—Sec. 8-1-15 W.			
10- 6	D. B. Ender	585	1-27	D. B. Ender	819
10-13	do	512	2- 3	do	829
10-20	do	432	2- 9	do	926
10-28	do	589	2-17	do	582
11- 4	do	544	2-24	do	385
11-17	do	463	3- 3	do	526
11-24	do	332	3-10	do	1080
12- 1	do	557	3-16	Burns-Bolon	2180
12-15	do	261	3-24	D. B. Ender	635
12-22	do	584	3-31	do	661
12-29	do	153	4- 6	do	527
1- 7	do	195	4-14	do	487
1-20	do	350	4-20	D. D. Lewis	15700

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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		REPUBLICAN RIVER			
		Bloomington—Concluded			
4-21	D. D. Lewis	4620	6-30	D. B. Ender	1140
4-21	do	4440	7- 7	do	595
4-21	do	3760	7-14	do	539
4-27	D. B. Ender	1840	7-21	do	754
5- 5	do	2310	8- 1	do	195
5-11	do	3140	8-11	do	886
5-19	do	656	8-18	do	994
5-26	do	602	8-25	do	711
6- 1	do	462	9- 1	do	173
6- 9	do	1140	9- 9	do	1260
6-13	Ender-Gerlach	13160	9-15	do	596
6-14	do	5040	9-22	do	481
6-23	D. B. Ender	2050			
		REPUBLICAN RIVER			
		Hardy—Sec. 6-1S.-5 W.			
10- 1	A. J. Ferrin	1130	4-13	D. B. Ender	544
10- 6	D. B. Ender	844	4-21	H. C. Bolon	11700
10-20	do	495	4-27	D. B. Ender	2280
11- 3	Hanks-Burns-Ender	683	5- 4	do	1830
11- 9	D. B. Ender	425	5-11	do	1470
11-17	Burns-Hanks	555	5-18	do	916
11-24	Hanks-Burns	479	5-25	Ender-Burns	835
12- 2	A. J. Ferrin	605	6- 1	D. B. Ender	609
12-16	C. V. Burns	416	6- 8	do	644
12-22	D. B. Ender	664	6-14	do	10600
12-29	C. V. Burns	203	6-22	do	7320
1- 6	D. B. Ender	315	6-29	do	2940
1-12	A. J. Ferrin	214	7- 6	do	928
1-19	D. B. Ender	367	7-13	do	1470
1-26	A. J. Ferrin	678	7-20	do	900
2- 2	D. B. Ender	1150	8- 1	do	305
2-11	A. J. Ferrin	973	8-10	do	1430
2-16	D. B. Ender	845	8-17	do	2790
2-23	C. V. Burns	662	8-24	do	456
3- 2	D. B. Ender	571	8-31	do	493
3- 9	A. J. Ferrin	1880	9- 8	do	1800
3-16	Bolon-Burns	3400	9-14	do	967
3-23	D. B. Ender	863	9-21	do	820
3-30	do	772	9-23	C. V. Burns	653
4- 6	do	642			
		RICKMAN CREEK			
		Near Riverview—South Line of Sec. 15-32-20 W.			
9- 9	D. E. Olson	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		ROCK CREEK			
		Parks—Sec. 21-1-39 W.			
10- 2	D. B. Ender	14.0	3- 7	D. B. Ender	16.6
10-10	do	15.3	3-17	do	15.2
10-24	do	14.2	4- 3	do	15.4
10-30	do	13.5	4-16	do	12.8
11- 7	do	13.7	4-29	do	15.2
11-20	do	14.1	5-14	do	15.6
12- 4	do	15.5	5-28	do	12.9
12-18	do	14.2	6-12	do	14.4
1- 3	do	14.9	7- 2	do	13.5
1-12	do	22.1	7-23	do	10.1
1-23	do	15.7	8- 6	do	13.8
2- 6	do	15.2	8-28	do	11.5
2-20	do	17.8	9-11	do	14.2
2-27	do	16.1	9-25	do	13.1
		ROCK CREEK			
		Near Meadville—Sec. 12-32-22 W.			
9- 9	D. E. Olson	0.3			
		ROCK CREEK			
		Near Mariaville—Sec. 29-32-18 W.			
6- 3	D. E. Olson	4.0	9-10	D. E. Olson	4.7
		ROCK CREEK			
		Near Rockville—Sec. 5-13-13 W.			
8-28	D. E. Olson	0.0			
		ROCK CREEK			
		Near Palmer—Sec. 7-15-8 W.			
9- 5	D. E. Olson	0.1			
		ROCK CREEK			
		Beemer—Sec. 4-22-5 E.			
6-26	D. E. Olson	6.7	9-23	D. E. Olson	3.5
		ROCK CREEK			
		Greenwood—Sec. 35-12-8 E.			
4-18	D. E. Olson	3.5	9-24	D. E. Olson	3.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		ROPE CREEK			
		3.4 Miles West of Alma—Sec. 25-2-19 W.			
6- 2	D. B. Ender	0.7			
		SAINT CLAIR CREEK			
		Near Oakdale—Sec. 9-24-5 W.			
9- 8	D. E. Olson	0.1			
		SALT CREEK			
		Ashland—West Line of Sec. 10-12-9 E.			
4-18	D. E. Olson	52.0	9-24	D. E. Olson	44.4
		SAND CREEK			
		Below Bendix Canal—Sec. 33-33-53 W.			
11-19	Ivan W. Bauer	0.0	4-10	Hilpert-Rasmussen	0.0
		SAND CREEK			
		Above New Highway—Sec. 3-15-40 W.			
6-24	E. S. Kimmel	3.3	9- 9	E. S. Kimmel	3.3
8-11	do	3.3	9-23	do	3.1
8-25	do	3.6			
		SAND CREEK			
		Sec. 10-15-40 W.			
10- 2	J. P. Hansen	2.7	3-11	Melvin Kleen	2.8
10-17	do	3.3	3-21	do	2.7
10-23	do	2.6	4- 4	do	2.6
10-30	do	3.6	4- 8	E. S. Kimmel	3.0
11- 6	do	3.7	4-15	do	3.0
11-17	Melvin Kleen	1.3	4-22	do	2.4
11-25	do	1.6	4-29	do	2.6
12- 4	do	1.6	5- 7	do	2.8
12-15	do	1.4	5-16	do	4.0
1-31	Bauer-Hilpert	5.2	6-10	do	3.6
2-13	J. P. Hansen	2.9	7-27	do	4.5
3- 2	do	3.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SANDY CREEK, BIG			
		Near Butte—Sec. 12-33-14 W.			
9-11	D. E. Olson	27.7			
		SANDY CREEK, LITTLE			
		Near Butte—Sec. 18-33-13 W.			
9-11	D. E. Olson	3.4			
		SAPPA CREEK			
		Near Beaver City—Sec. 14-1-23 W.			
10- 7	D. B. Ender	31.6	3-31	D. B. Ender	14.5
10-13	L. F. Hanks	24.5	4-14	do	12.1
10-21	D. B. Ender	21.1	4-22	do	777.0
10-29	do	20.3	4-28	do	87.5
11- 4	do	16.3	5- 6	do	48.9
11-17	do	15.2	5-12	do	34.2
12- 1	do	14.5	5-26	Ender-Burns	25.3
12-15	do	12.5	6- 9	D. B. Ender	44.9
12-23	do	13.9	6-13	do	1524.0
1- 8	do	6.8	6-16	do	928.0
1-20	do	10.4	6-23	do	54.6
1-28	do	16.8	7- 7	do	23.0
2- 3	do	15.7	7-21	do	24.8
2-18	do	12.2	8-11	do	10.0
2-24	do	14.7	8-18	do	47.6
3- 3	do	14.0	9- 1	do	11.8
3-10	do	20.1	9-15	do	13.0
3-20	do	15.5			
		SARBEN SLOUGH			
		Sec. 20-14-35 W.			
10- 3	J. P. Hansen	4.9	5- 8	E. S. Kimmel	5.1
10-16	do	2.7	5-21	do	4.3
10-24	do	3.2	6- 4	do	3.5
10-30	do	2.9	6-11	do	2.8
11- 5	do	3.7	6-18	do	2.9
11-14	Melvin Kleen	3.8	7- 1	do	3.0
12- 3	do	4.1	7-29	do	3.4
2-24	do	2.8	8-12	do	3.3
3-16	do	4.7	8-26	do	3.6
4- 9	E. S. Kimmel	3.6	9-10	do	5.5
4-17	do	3.0	9-24	do	4.6
4-23	do	3.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SCHINDLER CREEK			
		Pishelville—Sec. 11-31-7 W.			
9-12	D. E. Olson	0.2			
		SCOTTSBLUFF DRAIN NO. 1			
		Sec. 25-22-55 W.			
10- 3	Ivan W. Bauer	10.4	5-22	J. P. Hansen	7.3
10-16	do	12.3	5-27	do	10.4
12-12	J. P. Hansen	6.9	6- 3	do	5.7
12-26	do	2.6	6-11	do	4.3
2- 4	do	4.6	6-18	do	7.9
2-17	do	5.3	8- 4	do	7.4
3-13	do	5.5	8-14	do	13.2
4- 2	Hansen-Kimmel	4.6	8-19	do	15.1
4- 8	J. P. Hansen	3.5	9- 2	do	18.0
4-15	do	3.5	9-23	do	18.1
4-22	do	3.6	9-30	do	13.1
5- 6	do	10.0			
		SCOTTSBLUFF DRAIN NO. 2			
		Sec. 34-22-54 W.			
10- 1	Ivan W. Bauer	26.2	5- 6	J. P. Hansen	10.3
10-17	do	23.7	5-26	do	6.2
12- 5	J. P. Hansen	2.5	6- 2	do	5.0
2- 4	do	2.0	6-10	do	5.5
2-18	do	1.4	6-19	do	6.1
3-13	do	1.7	8- 4	do	7.2
4- 2	Hansen-Kimmel	1.6	8-21	do	12.4
4- 7	J. P. Hansen	1.5	9- 2	do	11.2
4-15	do	1.6	9-23	do	7.9
4-22	do	2.1	9-30	do	7.8
		SCOUT CREEK			
		North Platte—Sec. 20-14-30 W.			
10- 8	Melvin Kleen	9.9	5- 9	Melvin Kleen	0.8
10-25	do	.3	6- 8	do	4.2
11- 8	do	.3	7-16	do	.4
12- 6	do	.1	8- 3	do	1.7
1- 7	do	.1	8-21	do	.6
2- 4	Bauer-Hilpert	.3	9-10	do	9.1
3-10	Melvin Kleen	2.6	9-16	do	3.5
4-14	do	.2	9-23	do	2.1
4-19	Kleen-Hervert	38.4	9-30	do	2.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SHEEP CREEK			
		Sec. 16-23-57 W.			
10- 3	Ivan W. Bauer	76.0	5-14	J. P. Hansen	74.3
10-17	do	63.6	5-22	do	67.4
11-21	J. P. Hansen	59.7	5-28	do	59.5
11-27	do	56.4	6- 4	do	73.0
12- 6	do	59.8	6-12	do	66.5
12-19	do	55.8	6-18	do	59.3
2- 2	do	49.0	7- 7	do	11.1
2-18	do	52.7	7-30	do	11.4
2-27	do	51.6	8- 5	do	10.4
3-12	do	51.2	8-14	do	9.4
4- 3	Kimmel-Hansen	48.4	8-20	do	9.2
4- 8	J. P. Hansen	48.4	8-27	do	11.4
4-16	do	47.7	9- 4	do	11.6
4-23	do	72.0	9- 9	do	9.1
5- 4	do	58.9	9-18	do	19.3
		SHELL CREEK			
		Schuyler—South Line of Sec. 1-17-3 E.			
9-22	D. E. Olson	31.8			
		SHEPHERD CREEK			
		Near North Loup—Sec. 30-18-12 W.			
8-17	D. E. Olson	0.0			
		SILVER CREEK			
		Near Lynch—South Line of Sec. 3-33-10 W.			
9-11	D. E. Olson	0.0			
		SILVER CREEK			
		Near Grand Island—West Line of Sec. 28-12-9 W.			
8-19	D. E. Olson	0.3			
		SILVER CREEK			
		Silver Creek—Sec. 33-16-3 W.			
9- 5	D. E. Olson	0.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SILVERNAIL DRAIN			
		Sec. 6-19-49 W.			
10- 6	J. P. Hansen	5.5	5- 4	E. S. Kimmel	5.1
10-13	do	5.1	5-18	do	4.3
10-20	do	4.6	6- 6	do	5.9
10-28	do	5.0	6-20	do	9.7
11-24	do	3.9	7-13	do	3.9
1-28	Bauer-Hilpert	4.2	7-24	Kimmel-Hanks	11.1
2-24	J. P. Hansen	4.3	8- 8	E. S. Kimmel	11.5
3-11	do	3.3	8-21	do	6.4
3-21	do	3.6	9- 5	do	9.0
4-20	E. S. Kimmel	3.6	9-19	do	18.4
4-27	do	3.8	9-26	do	20.7
		SIMPSON CREEK			
		Near Carns—East Line of Sec. 27-33-17 W.			
9-10	D. E. Olson	0.0			
		SKEDEE CREEK			
		Near Genoa—Sec. 8-17-4 W.			
9- 5	D. E. Olson	0.0			
		SKUNK CREEK			
		Sec. 1-14-37 W.			
10- 3	J. P. Hansen	0.5	6- 3	E. S. Kimmel	2.4
11- 8	Melvin Kleen	2.5	6-17	do	2.9
12-17	do	2.2	7- 1	do	2.5
2-19	do	2.2	7-29	do	1.8
3-16	do	2.1	8-19	do	2.9
4-22	E. S. Kimmel	2.9	9- 1	do	2.5
4-29	do	2.5	9-15	do	2.6
5-20	do	2.9	9-30	do	2.0
		SNAKE CREEK			
		Alliance-Bridgeport Highway—Sec. 8-24-48 W.			
7- 8	A. C. Hilpert	0.0	8-31	A. C. Hilpert	0.0
7-16	do	.0	9-14	do	.0
7-28	do	.0	9-29	do	.0
8-13	do	.0			
		SNAKE RIVER			
		5 Miles above Falls—Sec. 2-31-30 W.			
2-13	A. C. Hilpert	217.9	6-11	A. C. Hilpert	291.4
3-11	do	245.5	7-24	do	231.2
4- 7	do	256.3	8-28	do	231.7
5- 1	do	675.7	9-26	do	242.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SOLDIER CREEK			
		Below James Dam—Sec. 3-31-53 W.			
11-19	Ivan W. Bauer	1.3	5-28	A. C. Hilpert	2.9
		SOLDIER CREEK			
		Above Fort Robinson Reservoir			
10-15	K. S. Essex	2.2	3- 6	Hilpert-Rasmussen	4.1
2-21	Hilpert-Rasmussen	3.7	8-26	A. C. Hilpert	2.3
		SOLDIER CREEK			
		Below Soldier Creek Canal—Sec. 18-31-52 W.			
7- 7	A. C. Hilpert	2.0	9-24	A. C. Hilpert	2.6
8- 7	do	3.4			
		SOLDIER CREEK			
		Near Pishelville—Sec. 31-32-7 W.			
9-12	D. E. Olson	0.1			
		SOW BELLY CREEK			
		Below Canals—Sec. 9-33-55 W.			
11-17	Ivan W. Bauer	0.1			
		SOW BELLY CREEK			
		Sec. 13-33-55 W.			
3- 9	A. C. Hilpert	3.3			
		SOW BELLY CREEK			
		Sec. 5-32-55 W.			
11-17	Ivan W. Bauer	2.4	7- 7	A. C. Hilpert	1.4
2-20	Hilpert-Rasmussen	2.7	7-21	do	2.2
3- 9	A. C. Hilpert	3.3	8- 5	do	2.1
4-14	do	2.5	8-24	do	1.5
5-27	Hilpert-Rasmussen	3.4	9- 9	do	1.1
6-16	A. C. Hilpert	3.1	9-22	do	1.5

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SPENCER DAM DRAIN			
		Sec. 30-33-11 W.			
7-21	D. E. Olson	0.6			
		SPOTTED TAIL CREEK			
		Near Brocksburg—Sec. 9-34-17 W.			
9-10	D. E. Olson	0.0			
		SPOTTED TAIL CREEK, DRY			
		Sec. 28-23-56 W.			
10- 1	Ivan W. Bauer	48.9	5- 4	J. P. Hansen	30.9
10- 6	do	35.1	5-14	do	57.8
10-16	do	19.4	5-22	do	27.2
11-21	J. P. Hansen	16.2	5-27	do	25.0
11-28	do	15.6	6- 4	do	31.4
12-11	do	9.7	6-12	do	29.4
2- 3	do	20.2	6-15	do	25.7
2-18	do	21.8	7-18	do	33.1
3-12	do	21.2	8- 5	do	42.7
4- 8	do	15.3	8-14	do	49.0
4-16	do	15.0	8-25	do	45.2
4-22	do	12.9	9- 9	do	50.4
		SPOTTED TAIL CREEK, WET			
		Sec. 6-22-55 W.			
10- 2	Ivan W. Bauer	14.1	5- 5	J. P. Hansen	11.7
10-16	do	11.6	5-15	do	18.1
11-22	J. P. Hansen	18.3	5-20	do	13.8
11-27	do	10.7	5-27	do	12.2
12-11	do	10.3	5-29	do	12.7
12-26	do	12.0	6- 4	do	13.1
2- 4	do	10.0	6-11	do	9.8
2-18	do	9.3	6-18	do	7.1
3-13	do	9.4	7-18	do	.0
4- 2	Hansen-Kimmel	8.7	8- 6	do	15.2
4- 8	J. P. Hansen	8.6	8-21	do	15.7
4-15	do	7.6	9-10	do	14.4
4-22	do	8.3	9-24	do	10.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SPRING CREEK			
		Wyoming-Nebraska Line—Sec. 4-23-58 W.			
10- 3	Ivan W. Bauer	7.9	5-21	J. P. Hansen	14.0
10-14	J. A. Whiting, Jr.	9.5	5-29	do	11.9
10-16	Ivan W. Bauer	9.5	6- 5	do	14.4
11- 1	do	10.6	6-17	do	9.4
12-19	J. P. Hansen	8.1	7-17	do	6.1
2- 2	do	6.4	7-30	do	8.1
2-20	J. A. Whiting, Jr.	9.1	8-12	do	8.8
3-12	J. P. Hansen	8.6	8-26	do	10.0
4- 9	do	8.2	9- 8	do	9.3
		SPRING CREEK			
		Tributary to Sow Belly Creek—Sec. 34-33-55 W.			
11-17	Ivan W. Bauer	0.1	7-21	A. C. Hilpert	0.0
3- 9	A. C. Hilpert	.0	8- 5	do	.0
4-14	do	.1	8-24	do	.0
6-16	do	.2	9- 9	do	.0
7- 7	do	.0	9-22	do	.0
		SPRING CREEK			
		Tributary to Little Cottonwood Creek—Sec. 13-32-52 W.			
10-15	K. S. Essex	0.0	7- 6	A. C. Hilpert	1.0
11-19	Ivan W. Bauer	.7	7-17	do	1.2
2-23	Hilpert-Rasmussen	.4	8- 4	do	.0
3- 4	A. C. Hilpert	.8	8-21	do	.1
4- 3	do	.5	9- 8	do	.6
5-23	do	1.3	9-21	do	1.0
6- 9	do	1.1			
		SPRING CREEK			
		Mills—South Line of Sec. 4-34-18 W.			
9-10	D. E. Olson	6.5			
		SPRING CREEK			
		Sumter—Sec. 21-19-13 W.			
8-20	D. E. Olson	0.2			
		SPRING CREEK			
		Cushing—Sec. 8-15-9 W.			
8-22	D. E. Olson	0.5	9- 5	D. E. Olson	6.0
		SQUAW CREEK			
		Below Shepherd Canal—Sec. 36-34-57 W.			
3- 9	A. C. Hilpert	0.3	5-27	Hilpert-Rasmussen	0.5
4-14	do	.0	8- 5	A. C. Hilpert	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		SQUAW CREEK			
		Above McDowell's Reservoir—Sec. 12-31-52 W.			
11-19	Ivan W. Bauer	0.0	7- 6	A. C. Hilpert	0.3
2-23	Hilpert-Rasmussen	.0	7-17	do	.1
3- 4	A. C. Hilpert	.2	8- 4	do	.1
4- 3	do	.2	8-21	do	.0
5-23	do	1.1	9- 8	do	.0
6-13	do	1.2	9-24	do	.0
		SQUAW CREEK			
		Below McDowell's Reservoir—Sec. 1-31-52 W.			
11-19	Ivan W. Bauer	0.4	7- 6	A. C. Hilpert	0.6
2-23	Hilpert-Rasmussen	.3	7-17	do	.3
3- 4	A. C. Hilpert	.3	8- 4	do	.1
4- 3	do	.1	8-21	do	.1
5-23	do	11.6	9- 8	do	.1
6-13	do	2.8	9-24	do	.1
		SQUAW CREEK			
		Pishelville—Sec. 7-32-8 W.			
9-12	D. E. Olson	0.3			
		STEEL CREEK			
		Pishelville—East Line of Sec. 18-32-8 W.			
6- 5	D. E. Olson	8.4	9-12	D. E. Olson	6.5
		STINKING WATER CREEK			
		North of Wauneta—Sec. 7-6-35 W.			
10-11	D. B. Ender	17.2	4-17	D. B. Ender	19.3
10-25	do	21.7	5- 1	do	145.0
11- 1	do	21.4	5-16	do	31.3
11- 8	do	21.4	5-22	do	25.6
11-21	do	21.9	5-29	Ender-Burns	16.2
12- 6	do	24.7	6- 4	D. B. Ender	25.3
12-19	do	24.6	6-20	do	26.0
1- 5	do	12.8	6-26	do	47.0
1-14	do	22.3	7- 1	do	20.1
1-24	do	35.2	7-17	do	9.7
2- 7	do	35.7	7-25	do	10.3
2-21	do	29.0	8- 8	do	12.9
2-21	do	28.0	8-21	do	11.8
3-19	do	68.9	9- 4	do	179.0
3-19	do	28.6	9-10	do	20.0
4- 4	do	25.4	9-18	do	20.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		STINKING WATER CREEK			
		Palisade—Sec. 25-5-34 W.			
4-17	D. B. Ender	31.4	8- 3	D. B. Ender	23.2
5-22	do	44.6	8-14	do	36.1
6- 4	do	65.9	8-27	do	19.6
6-26	Ender-Gerlach	81.0	9-17	do	37.9
7-25	D. B. Ender	19.8			
		STREVER CREEK			
		South of Overton—Sec. 1-8-20 W.			
10-13	Melvin Kleen	19.8	5-25	Melvin Kleen	11.3
10-27	do	18.8	6- 4	do	16.5
11-12	do	4.4	6-12	do	33.0
11-20	do	4.0	6-25	do	296.8
12- 1	do	4.6	7- 7	do	22.6
12-12	do	4.0	7-15	do	14.2
1-13	do	1.7	7-24	do	9.4
2- 6	Bauer-Hilpert	7.4	7-30	do	3.7
2-13	Melvin Kleen	7.6	8- 7	do	6.4
2-27	do	7.5	8-17	do	21.3
3- 9	do	23.1	8-22	do	11.9
3-18	do	7.4	9- 1	do	7.7
4- 1	do	8.7	9- 8	do	25.4
4- 9	do	5.8	9-15	do	18.5
5-11	do	87.0	9-22	do	13.5
5-18	do	13.2	9-29	do	13.9
		SWEET AND CHERRY CREEKS			
		Near Cairo—South Line of Sec. 13-12-13 W.			
9-15	D. E. Olson	0.0			
		THOMAS CREEK			
		Near Riverview—Sec. 20-32-20 W.			
9- 9	D. E. Olson	0.0			
		THOMPSON CREEK			
		Riverton—Sec. 34-2-13 W.			
8-24	D. B. Ender	13.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		TIMBER CREEK			
		Near Fullerton—Sec. 30-17-6 W.			
9- 5	D. E. Olson	0.0			
		TRUNK BUTTE CREEK			
		Sec. 25-33-50 W.			
2-24	Hilpert-Rasmussen	0.1	7- 6	A. C. Hilpert	0.8
3- 6	A. C. Hilpert	.5	7-18	do	.1
4- 3	do	.1	8-22	do	.1
5-28	do	2.8	9-21	do	.1
6-13	do	1.8			
		TUB SPRINGS			
		Above Enterprise Canal—Sec. 33-23-55 W.			
5-27	J. P. Hansen	32.0	8- 5	J. P. Hansen	31.8
6- 3	do	35.6	8-19	do	33.1
6-11	do	35.0	8-28	do	31.7
6-16	do	37.2	9-10	do	30.9
7-10	do	14.7	9-24	do	41.5
7-22	do	22.1			
		TUB SPRINGS			
		Below Enterprise Canal—Sec. 32-23-55 W.			
10- 2	Ivan W. Bauer	92.4	5-20	J. P. Hansen	63.8
10-15	do	59.6	5-27	do	42.9
12-26	J. P. Hansen	29.5	6- 3	do	35.4
2- 4	do	27.6	6-11	do	41.1
2-18	do	23.8	6-16	do	49.8
3-13	do	26.7	7-18	do	2.5
4- 2	Hansen-Kimmel	21.7	7-22	do	1.2
4- 8	J. P. Hansen	21.4	8- 6	do	7.9
4-15	do	20.6	8-19	do	23.6
4-22	do	21.0	8-28	do	27.4
5- 5	do	27.7	9-10	do	39.5
5-15	do	34.1	9-24	do	66.3
		TUB SPRINGS			
		Sec. 8-22-55 W.			
11-22	J. P. Hansen	37.0	12-12	J. P. Hansen	31.0
11-27	do	32.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
		TURKEY CREEK			
		Near Meadville—South Line of Sec. 36-33-23 W.			
9- 9	D. E. Olson	2.0			
		TURKEY CREEK			
		Naponee—Sec. 4-1-16 W.			
6- 2	D. B. Ender	10.1			
		TURKEY CREEK			
		Dannebrog—West Line of Sec. 26-14-11 W.			
8-18	D. E. Olson	0.0	9-29	D. E. Olson	0.0
9-15	do	.8			
		TURKEY CREEK			
		Newcastle—Sec. 36-32-4 E.			
9-23	D. E. Olson	0.1			
		TURTLE CREEK			
		Elyria—Sec. 31-20-14 W.			
7-17	D. E. Olson	3.0	9-16	D. E. Olson	1.7
8-20	do	.5			
		UNION CREEK			
		Stanton—West Line of Sec. 1-22-1 E.			
6-26	D. E. Olson	74.0	9-22	D. E. Olson	29.0
		VERDIGRIS CREEK			
		Near Niobrara—Sec. 5-31-6 W.			
6- 5	D. E. Olson	73.5	9-12	D. E. Olson	76.6
		VICTORIA CREEK			
		Gates—East Line of Sec. 2-19-21 W.			
7- 7	D. E. Olson	4.5	8-15	D. E. Olson	4.2
7-23	do	4.1	9-17	do	8.0
		VICTORIA CREEK			
		Below Dam—Sec. 6-19-20 W.			
7-23	D. E. Olson	0.5			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec. ft.
		WAGNER CREEK			
		Comstock—West Line of Sec. 3-18-17 W.			
8-21	D. E. Olson	0.1			
		WAHOO CREEK			
		Ashland—West Line of Sec. 36-13-9 E.			
9-24	D. E. Olson	22.0	4-18	D. E. Olson	28.8
		WALLACE CREEK			
		Near Scotia—South Line of Sec. 3-17-12 W.			
8-17	D. E. Olson	0.0			
		WALNUT CREEK			
		Maskell—Sec. 34-32-4 E.			
9-23	D. E. Olson	0.1			
		WALNUT RUN CREEK			
		Near Franklin—Sec. 32-2-14 W.			
8-24	D. B. Ender	0.0			
		WARBONNET CREEK			
		Above Warbonnet Canal—Sec. 21-33-56 W.			
11-18	Ivan W. Bauer	2.4	7-21	A. C. Hilpert	2.5
5-27	Hilpert-Rasmussen	3.9	8- 5	do	1.9
6-16	A. C. Hilpert	2.7	9- 9	do	.0
7- 7	do	2.1	9-22	do	1.7
		WARBONNET CREEK			
		Below Warbonnet Canal—Sec. 20-33-56 W.			
2-20	Hilpert-Rasmussen	2.3	4-13	A. C. Hilpert	0.1
3- 9	A. C. Hilpert	3.4			
		WEEPING WATER CREEK			
		Near Union—Sec. 36-10-13 E.			
4-18	D. E. Olson	9.1			
		WENTWORTH CREEK			
		Near Riverview—Sec. 24-32-20 W.			
9- 9	D. E. Olson	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec. ft.
		WHISKEY CREEK			
		Lynch—Sec. 15-33-10 W.			
9-11	D. E. Olson	0.0			
		WHISTLE CREEK			
		Mouth—Sec. 12-28-54 W.			
11-20	Ivan W. Bauer	0.1			
		WHITE CLAY CREEK			
		Crawford—Sec. 2-31-52 W.			
1-19	Ivan W. Bauer	1.0	7-17	A. C. Hilpert	2.1
2-23	A. C. Hilpert	1.7	8- 4	do	2.4
3- 4	do	1.7	8-21	do	1.7
4- 3	do	1.8	8-27	do	2.3
5-23	do	6.2	9- 8	do	1.7
6-13	do	4.7	9-24	do	2.3
7- 6	do	2.9			
		WHITE CLAY CREEK			
		Above Junction with Larabee Creek—Sec. 6-34-44 W.			
11-24	Ivan W. Bauer	1.5	6-10	A. C. Hilpert	5.4
2-12	A. C. Hilpert	2.3	6-29	do	5.8
3-10	do	3.0	7-23	do	4.1
4- 6	do	2.5	9-28	do	2.7
5-21	do	16.3			
		WHITE HORSE CREEK			
		Gannett—Sec. 5-13-29 W.			
10- 7	Melvin Kleen	13.3	5- 9	Melvin Kleen	26.2
10-17	do	7.7	5-16	do	33.6
10-31	do	12.6	5-27	do	11.7
11-15	do	12.9	6-13	do	14.0
11-26	do	13.7	6-20	do	18.8
12- 5	do	13.4	7- 2	do	20.2
12-16	do	14.2	7-22	do	2.4
12-30	do	12.3	7-29	do	4.8
1-17	do	13.6	8- 6	do	2.7
2- 4	Bauer-Hilpert	32.1	8-10	do	6.6
2-10	Melvin Kleen	12.4	8-15	do	4.9
2-21	do	14.6	8-21	do	2.8
3- 2	do	16.6	8-28	do	2.8
3-10	do	55.9	9- 2	do	98.8
3-31	do	38.9	9-12	do	12.4
4-15	do	11.6	9-19	do	12.6
4-20	do	238.9	9-25	do	18.4
4-27	do	95.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec. ft.
		WHITE RIVER			
		Crawford—Sec. 9-31-52 W.			
10-15	K. S. Essex	15.8	6-13	A. C. Hilpert	38.5
11-19	Ivan W. Bauer	17.5	7- 6	do	25.4
2-21	Hilpert-Rasmussen	19.9	7-17	do	19.6
3- 6	do	23.1	8- 4	do	31.1
4-15	do	21.0	8-21	do	17.4
5- 7	A. C. Hilpert	46.6	9- 8	do	16.1
5-28	do	30.1	9-23	do	18.3
		WHITE RIVER			
		Above Whitney Diversion—Sec. 26-32-52 W.			
10-15	K. S. Essex	11.6	6-13	A. C. Hilpert	36.2
11-19	Ivan W. Bauer	16.1	7- 6	do	27.1
2-23	Hilpert-Rasmussen	22.2	7-17	do	19.6
3- 4	A. C. Hilpert	22.0	8- 7	do	20.9
4- 3	do	24.0	8-21	do	19.0
5- 7	do	53.9	9- 8	do	14.6
5-28	do	43.1	9-21	do	19.2
		WHITE RIVER			
		Below Whitney Diversion—Sec. 26-32-52 W.			
11-19	Ivan W. Bauer	0.8	7- 6	A. C. Hilpert	13.0
2-23	Hilpert-Rasmussen	10.1	7-18	do	6.7
3- 4	A. C. Hilpert	.9	8- 7	do	.4
4- 3	do	.6	8-21	do	.2
5- 6	do	54.1	9- 8	do	.4
5-23	do	60.1	9-21	do	21.9
6-13	do	53.9			
		WHITE RIVER			
		Sec. 19-32-51 W.			
10-15	K. S. Essex	0.5			
		WHITE RIVER			
		Sec. 17-32-51 W.			
11-21	Ivan W. Bauer	1.4			
		WHITE RIVER			
		Six Miles West of Chadron—Sec. 18-33-49 W.			
10-15	K. S. Essex	1.0	7- 3	A. C. Hilpert	38.7
11-21	Ivan W. Bauer	4.6	7-19	do	31.5
4-12	A. C. Hilpert	6.8	8- 8	do	9.6
4-29	do	68.3	8-21	do	7.1
5- 7	do	1830.0	9- 8	do	5.2
5-28	do	84.0	9-21	do	36.4
6- 9	do	112.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec. ft.
		WHITE TAIL CREEK			
		Sec. 36-15-38 W.			
10- 2	J. P. Hansen	23.6	4-29	E. S. Kimmel	30.2
10-16	do	24.9	5- 7	do	29.0
10-23	do	26.2	5-15	do	29.5
10-30	do	27.1	5-20	do	32.8
11- 6	do	25.5	5-27	do	24.2
11-17	Melvin Kleen	28.4	6- 3	do	29.2
11-25	do	25.8	6-10	do	29.1
12- 4	do	27.3	6-17	do	25.7
12-15	do	24.1	6-24	do	30.3
1- 6	do	21.3	7- 1	do	27.3
1-31	Bauer-Hilpert	26.6	7-15	do	27.5
2-19	Melvin Kleen	28.7	7-29	do	26.9
3- 7	do	25.9	8-11	do	22.7
3-16	do	26.7	8-19	do	27.5
3-24	do	25.6	8-25	do	27.5
4- 8	E. S. Kimmel	26.0	9- 9	do	27.4
4-15	do	24.5	9-23	do	26.3
4-22	do	29.3			
		WIGGLE CREEK			
		Loup City—Sec. 7-14-14 W.			
8-18	D. E. Olson	0.0			
		WILLOW CREEK			
		Near Guide Rock—Sec. 1-1-10 W.			
8-24	D. B. Ender	0.2			
		WILLOW CREEK			
		Near Long Pine—Sec. 25-21-24 W.			
9- 8	D. E. Olson	0.0			
		WILLOW CREEK			
		Near Mariaville—Sec. 6-32-18 W.			
9-10	D. E. Olson	0.1			

DISCHARGE MEASUREMENTS OF STREAMS—Concluded
Year Ending September 30, 1942

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec. ft.
		WINTERS CREEK			
		Scottsbluff—Sec. 30-22-54 W.			
10- 1	Ivan W. Bauer	65.9	5-22	J. P. Hansen	86.3
10-15	do	41.3	5-27	do	65.9
11-28	J. P. Hansen	49.3	6- 3	do	38.4
12-12	do	41.8	6-11	do	38.2
12-26	do	51.9	6-19	do	37.6
1- 8	do	51.2	7- 8	do	6.0
2- 4	do	50.0	7-18	do	11.4
2-17	do	50.5	8- 4	do	41.9
3- 6	do	45.2	8-14	do	40.5
3-13	do	47.5	8-18	do	35.9
4- 2	Hansen-Kimmel	44.0	8-28	do	34.9
4- 8	J. P. Hansen	39.2	9- 2	do	54.8
4-15	do	39.9	9-10	do	80.9
4-22	do	38.8	9-15	Hansen-Hanks	97.5
5- 6	do	44.9	9-23	J. P. Hansen	93.7
5-15	do	50.1	9-30	do	108.0
		WOOD RIVER			
		Grand Island—Sec. 29-11-9 W.			
10- 3	C. H. Carstens	5.0			
		WYMAN CREEK			
		Near Riverview—Sec. 19-32-19 W.			
9-10	D. E. Olson	0.1			
		YANKTON SLOUGH			
		Pierce—East Line of Sec. 23-26-2 W.			
9-22	D. E. Olson	0.2			

DISCHARGE MEASUREMENTS OF CANALS
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	ADAMS CANAL—D-371				
	Diverted from Lodgepole Creek—Sec. 3-14-52 W.				
	Measurements Made at Headgate				
11-25	K. S. Essex				0.0
2-20	do				.0
	AIREDALE CANAL NO. 1—A-698, A-1380				
	Diverted from Pumpkinseed Creek—Sec. 2-19-55 W.				
	Measurements Made at 5.5-foot Weir				
4-30	K. S. Essex				0.0
	AIREDALE CANAL NO. 2—A-699, A-1133				
	Diverted from Pumpkinseed Creek—Sec. 1-19-55 W.				
	Measurements Made at Headgate				
4-30	K. S. Essex				0.0
	AIREDALE CANAL NO. 3—A-1508				
	Diverted from Pumpkinseed Creek—Sec. 2-19-55 W.				
	Measurements Made at Headgate				
4-30	K. S. Essex				0.0
	ALFALFA CANAL—D-738				
	Diverted from North Platte River—Sec. 1-15-42 W.				
	Measurements Made at Rating Flume				
10- 1	Fred Hervert				0.0
10- 9	do	11.0	0.55	0.76	6.0
11- 7	do	12.6	.66	1.00	8.4
	ALLEN-LARNED CANAL—D-117				
	Diverted from Buffalo Creek—Sec. 18-1-40 W.				
	Measurements Made at Headgate				
6- 5	Essex-Gerlach				1.0
	ALLIANCE CANAL—D-874 (O. D. A-1776)				
	Diverted from Bayard Sugar Factory Drain—Sec. 4-20-52 W.				
	Measurements Made at Rating Flume				
10- 1	H. P. Eisenhuth				0.0
5- 8	Fred Hervert	13.8	1.48	1.65	20.4
5-20	do	16.0	1.89	2.07	30.2
6-26	K. S. Essex	19.2	1.72	2.52	33.1
7-11	do	19.2	1.55	2.52	29.8
7-28	do	20.8	1.36	2.76	28.2
8- 9	Ivan W. Bauer	15.2	1.34	2.01	20.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	ALLIANCE CANAL—D-874 (O. D. A-1429)				
	Diverted from Red Willow Creek—Sec. 6-20-51 W.				
	Measurements Made at Rating Flume				
10- 1	H. P. Eisenhuth	13.3	0.10	1.25	1.3
10-14	do	23.3	.21	2.10	4.9
5- 8	Fred Hervert	17.8	2.05	1.60	36.5
5-20	do	16.2	1.60	1.48	25.9
6-26	K. S. Essex	25.5	1.02	2.25	25.9
7-11	do	16.5	1.71	1.42	28.2
7-28	do	26.7	1.08	2.32	28.8
8- 9	Ivan W. Bauer	27.4	1.35	2.45	37.0
8-27	K. S. Essex	24.4	.79	2.22	19.3
9- 3	Ivan W. Bauer	29.7	1.40	2.64	41.7
9-15	do	24.6	.54	2.22	13.3
	ALMERIA CANAL—A-2469, A-2868, A-2869				
	Diverted from North Loup River—Sec. 10-22-20 W.				
	Measurements Made 0.6 Mile below Spillway				
10-10	Charles H. Carstens	16.2	0.65	1.98	10.6
6- 4	do	17.5	.49	2.13	8.5
7- 9	do	15.8	.83	2.02	13.1
7-23	do	----	----	----	.0
8- 5	do	22.8	.98	2.72	22.4
8-14	do	20.7	1.06	2.52	21.9
9- 4	do	21.8	1.02	2.65	22.2
9-10	do	21.3	1.02	2.55	21.7
9-30	Carstens-Hervert-Ball	----	----	----	.0
	ANDERSON CANAL—D-373				
	Diverted from Lodgepole Creek—Sec. 8-14-51 W.				
	Measurements Made at Headgate				
10-24	K. S. Essex	----	----	----	0.0
11-25	do	----	----	----	.0
2-20	do	----	----	----	.0
3-18	do	----	----	----	.0
4-15	do	----	----	----	.0
5-14	do	----	----	----	.0
6-19	do	----	----	----	.0
	ANDREWS SUPPLY CANAL—A-2530				
	Diverted from Sow Belly Creek—Sec. 5-32-55 W.				
	Measurements Made at Headgate				
9-17	K. S. Essex	----	----	----	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	ASH CREEK, WEST, CANAL—A-3362				
	Diverted from West Ash Creek—Sec. 35-32-51 W.				
	Measurements Made at Headgate				
3- 1	K. S. Essex	2.2	1.32	—	2.9
	ATKINS-POLLY CANAL—D-342, D-344				
	Diverted from Lodgepole Creek—Sec. 30-15-55 W.				
	Measurements Made at Rating Flume				
10-24	K. S. Essex	—	—	—	0.0
11-26	do	—	—	—	.0
12-16	do	—	—	—	.0
2-21	do	—	—	—	.0
3-18	do	—	—	—	.0
4-16	do	—	—	—	.0
5- 1	do	—	—	—	.0
6-19	do	—	—	—	.0
9- 5	Essex-Hanna	1.0	0.22	0.42	.2
	BAR 99 CANAL—A-2898				
	Diverted from Bear Creek—Sec. 16-34-37 W.				
	Measurements Made at Headgate				
1-29	K. S. Essex	—	—	—	0.0
3-28	do	—	—	—	1.0
	BAR 99 CANAL—A-3321				
	Diverted from Bear Creek—Sec. 16-34-37 W.				
	Measurements Made at Headgate				
1-29	K. S. Essex	—	—	—	0.0
	BARBER CANAL—D-754, A-1111				
	Diverted from Clear Creek—Sec. 29-16-41 W.				
	Measurements Made at Rating Flume				
10- 1	Fred Hervert	8.5	1.04	1.55	8.8
11- 7	do	3.0	1.00	.57	3.0
3-18	do	2.7	.89	.48	2.4
4- 8	Ivan W. Bauer	2.2	1.14	.36	2.5
4-15	do	3.5	.24	.61	.8
4-29	do	5.1	1.10	1.02	5.6
5-19	do	3.3	1.06	.64	3.5
8-18	do	2.2	.54	.13	1.2
9-11	J. P. Hansen	—	—	—	.0
9-18	do	—	—	—	.0
9-25	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		BARRETT CANAL—D-334			
		Diverted from Lodgepole Creek—Sec. 32-14-46 W.			
		Measurements Made at Headgate			
3-19	K. S. Essex				0.0
		BARRON CANAL, WEST—D-438R			
		Diverted from East Ash Creek—Sec. 32-32-50 W.			
		Measurements Made near Headgate			
12- 2	K. S. Essex				0.0
3- 1	do				.0
4-22	do				.0
5-27	do				.0
		BEAL CANAL—A-1620			
		Diverted from South Platte River—Sec. 20-13-40 W.			
		Measurements Made at Headgate			
5- 9	Ivan W. Bauer				0.0
		BEERLINE CANAL—D-887			
		Diverted from North Platte River—Sec. 24-19-49 W.			
		Measurements Made at Rating Flume			
10- 8	Fred Hervert	6.4	0.72	0.15	4.6
2- 1	do				.0
3-17	do				.0
5- 7	do	11.6	1.15	.66	13.4
6- 3	do	3.5	.74	.06	2.6
7-15	K. S. Essex	7.7	1.64	.74	12.6
8-29	J. P. Hansen	2.2	1.09	.23	2.4
9- 8	do			.05	1.0
9-15	do			.15	2.0
9-22	do			.03	1.0
		BELMONT CANAL—D-828, D-858, A-866			
		Diverted from North Platte River—Sec. 18-20-51 W.			
		Measurements Made at Rating Flume			
4-25	Fred Hervert	39.0	0.71	0.30	27.8
5- 3	do	48.6	.93	.41	44.9
5-20	do	54.2	1.57	.58	84.9
5-28	do	46.0	1.29	.57	59.3
7- 8	K. S. Essex	46.4	1.49	.56	69.0
7-28	do	35.0	3.73	.75	130.5
8- 2	Ivan W. Bauer	69.4	1.61	.72	111.7
8-28	do	36.2	2.23	.58	80.9
9-13	do	43.7	2.19	.67	95.8

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		BELMONT FEEDER—A-1397			
		Diverted from Cedar Creek—Sec. 23-18-48 W.			
		Measurements Made at Rating Flume			
10- 8	Fred Hervert	7.8	0.73	1.32	5.7
5-24	do	6.5	1.10	1.17	7.2
6- 3	do	4.7	1.25	1.05	5.9
7-10	K. S. Essex	5.8	1.09	1.06	6.3
8- 1	Ivan W. Bauer	4.4	1.61	1.10	7.1
8-25	Bauer-Hansen	.....	.....	.....	.0
9- 2	J. P. Hansen	.....	.....	.....	.0
9- 9	do	7.4	1.22	1.54	9.0
9-15	do	5.8	1.52	1.43	8.8
9-27	do	7.7	.96	1.57	7.4
		BELMONT CANAL SPILL			
		Into Pumpkinseed Creek—Sec. 23-19-50 W.			
5- 3	K. S. Essex	6.2	1.34	0.31	8.3
5-19	do	17.6	1.74	.71	30.6
5-26	Fred Hervert	5.4	.37	.13	2.0
6-24	K. S. Essex	.....	.....	.....	.0
9-15	J. P. Hansen	7.8	.79	.25	6.2
9-22	do	.....	.....	.....	.0
		BENNETT CANAL—A-1249			
		Diverted from Niobrara River—Sec. 1-28-54 W.			
		Measurements Made at Headgate			
11- 6	K. S. Essex	2.1	0.57	.....	1.2
12- 3	do	3.0	1.10	.....	3.3
12-30	do	.....	.....	.....	.0
2- 2	do	.....	.....	.....	.0
4- 1	do	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
5-26	do	1.7	.76	.....	1.3
		BICKEL CANAL—D-347, A-719, A-724			
		Diverted from Lodgepole Creek—Sec. 30-15-55 W.			
		Measurements Made at Rating Flume			
10-24	K. S. Essex	.....	.....	.....	0.0
11-26	do	.....	.....	.....	.0
12-16	do	.....	.....	.....	.0
2-21	do	.....	.....	.....	.0
3-18	do	.....	.....	.....	.0
4-16	do	.....	.....	.....	.0
5- 1	do	.....	.....	.....	0
6-19	do	.....	.....	.....	.0
9- 5	do	1.7	0.85	0.58	1.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	BIGELOW-SEYMOUR CANAL—D-510				
	Diverted from Niobrara River—Sec. 19-31-57 W.				
	Measurements Made at Headgate				
11- 5	K. S. Essex	----	----	----	0.0
12- 1	do	----	----	----	.0
4-28	do	----	----	----	.0
	BIRD CAGE-QUINN CANAL—D-892, A-1561				
	Diverted from Pumpkinseed Creek—Sec. 20-19-51 W.				
	Measurements Made at Headgate				
10- 7	Fred Hervert	----	----	0.31	0.0
	BIRDWOOD CANAL—D-646				
	Diverted from Birdwood Creek—Sec. 35-15-33 W.				
	Measurements Made at Rating Flume				
10- 3	Fred Hervert	18.7	1.39	1.41	26.1
10-10	do	13.4	1.62	1.06	21.7
10-25	do	----	----	.10	.5
11- 1	do	6.8	1.09	----	7.4
3-19	do	----	----	----	.0
6-10	Ivan W. Bauer	10.5	2.87	.72	30.2
6-17	do	12.8	2.46	.85	31.5
6-25	do	13.5	3.36	.88	45.3
7-19	Bauer-Kleen	18.2	1.40	.65	25.5
7-26	Melvin Kleen	16.5	1.45	.61	24.0
8- 6	do	24.0	1.24	1.59	29.8
8-14	do	23.1	1.66	1.02	38.4
8-19	Ivan W. Bauer	19.4	2.10	1.26	40.7
8-21	Melvin Kleen	9.0	1.82	.61	7.4
8-27	Bauer-Hansen	21.0	2.14	1.37	45.0
9- 6	J. P. Hansen	12.0	3.13	.82	37.6
9-12	do	----	----	----	.0
9-19	do	7.5	2.39	.52	17.9
9-23	do	----	----	.18	2.0
	BLUE CREEK CANAL—D-785, D-795, A-1154				
	Diverted from Blue Creek and Crescent Lake, A-1575—Sec. 33-17-42 W.				
	Measurements Made at Rating Flume				
10- 9	Fred Hervert	27.0	1.59	2.23	42.8
11- 7	do	27.6	1.49	2.26	41.1
12- 2	do	----	----	----	.0
3-18	do	----	----	----	.0
4-22	do	----	----	----	.0

(Concluded on next page)

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		BLUE CREEK CANAL—Concluded			
5- 7	Fred Hervert	19.1	1.67	1.57	31.9
5-24	do	19.2	1.56	1.59	29.9
6- 3	do	----	----	----	.0
7-29	Ivan W. Bauer	18.7	1.58	1.52	29.5
8- 5	do	17.3	1.70	1.45	29.4
8-20	do	22.0	1.52	1.82	33.6
8-26	Bauer-Hansen	21.4	1.46	1.80	31.2
9- 3	J. P. Hansen	26.4	1.42	2.18	37.5
9-10	do	26.4	1.43	2.18	37.8
9-17	do	27.6	1.42	2.28	39.3
9-26	do	16.4	1.49	1.39	24.5
		BLUHM CANAL—A-1811			
		Diverted from Lodgepole Creek—Sec. 36-14-48 W.			
		Measurements Made at Headgate			
10-25	K. S. Essex	----	----	----	0.0
11-27	do	----	----	----	.0
12-17	do	----	----	----	.0
4-17	do	----	----	----	.0
6-21	do	----	----	----	.0
		BOELUS POWER CANAL—A-1373			
		Diverted from Middle Loup River—Sec. 30-13-12 W.			
		Measurements Made at Headrace Flume			
10- 9	Charles H. Carstens	258.0	2.46	----	642.0
10-16	do	237.0	2.55	----	610.0
4-22	do	307.4	1.94	----	597.0
5- 6	do	317.9	1.81	----	575.0
6- 2	do	310.4	1.81	----	562.0
6-18	do	274.1	2.08	----	570.0
7-11	do	302.9	1.54	----	466.4
7-25	do	205.0	1.77	----	362.0
8-11	do	260.5	1.14	----	296.0
9- 9	do	282.4	2.30	----	650.5
		BOOTH CANAL, NORTH—D-309, D-310			
		Diverted from Lodgepole Creek—Sec. 29-14-47 W.			
		Measurements Made at Rating Flume			
10-25	K. S. Essex	----	----	----	0.0
11-27	do	----	----	----	.0
12-17	do	----	----	----	.0
3-19	do	----	----	----	.0
4-17	do	----	----	----	.0
6-21	do	----	----	----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	BOOTH CANAL, SOUTH—D-309, D-310				
	Diverted from Lodgepole Creek—Sec. 29-14-47 W.				
	Measurements Made at Rating Flume				
10-25	K. S. Essex				0.0
11-27	do				.0
12-17	do				.0
3-19	do				.0
4-17	do				.0
6-21	do				.0
	BORDWELL CANAL—D-303				
	Diverted from Lodgepole Creek—Sec. 35-14-49 W.				
	Measurements Made at Headgate				
10-25	K. S. Essex				0.0
11-26	do				.0
12-17	do				.0
2-20	do				.0
4-15	do				.0
5-14	do				.0
6-19	do				.0
	BORQUIST CANAL—D-300				
	Diverted from Lodgepole Creek—Sec. 34-14-49 W.				
	Measurements Made at Headgate				
11-26	K. S. Essex				0.0
12-17	do				.0
2-20	do				.0
4-15	do				.0
5-14	do				.0
6-19	do				.0
	BORQUIST CANAL—D-301				
	Diverted from Lodgepole Creek—Sec. 34-14-49 W.				
	Measurements Made at Headgate				
11-26	K. S. Essex				0.0
12-17	do				.0
2-20	do				.0
4-15	do				.0
5-14	do				.0
6-19	do				.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BRADY CANAL—D-352					
Diverted from Lodgepole Creek—Sec. 28-15-54 W.					
Measurements Made at Headgate					
10-24	K. S. Essex				0.0
11-25	do				.0
12-16	do				.0
2-21	do				.0
3-18	do				.0
4-16	do				.0
6-19	do				.0
BROWNS CREEK CANAL—D-857, D-1033					
Diverted from the North Platte River and Pathfinder Reservoir—Sec. 20-20-50 W.					
Measurements Made at Rating Flume					
6-16	Fred Hervert	36.4	1.52	1.72	55.5
6-27	K. S. Essex	36.1	1.51	1.62	54.6
7- 7	do	17.3	1.43	.58	24.8
7-21	do	23.6	1.59	.95	37.4
7-28	do	31.7	1.46	1.22	46.4
8- 4	Ivan W. Bauer	34.4	1.50	1.34	51.8
8-30	J. P. Hansen	24.2	1.40	.70	33.9
9- 3	Ivan W. Bauer	22.4	1.40	.56	31.4
9- 8	J. P. Hansen	32.0	1.38	1.03	44.1
9-15	Ivan W. Bauer	27.7	1.56	.96	43.1
9-22	J. P. Hansen	34.6	1.42	1.30	49.0
9-29	Ivan W. Bauer	26.8	1.48	.85	39.8
BULLOCK CANAL—D-296					
Diverted from Lodgepole Creek—Sec. 3-13-46 W.					
Measurements Made at Headgate					
10-25	K. S. Essex				0.0
11-27	do				.0
12-17	do				.0
3-19	do	2.8	1.14		3.2
4-17	do				.0
6-20	do				.0
BULLOCK CANAL—A-437					
Diverted from Lodgepole Creek—Sec. 4-13-46 W.					
Measurements Made below Headgate					
10-25	K. S. Essex				0.2
11-27	do				.2
12-17	do				.5
3-19	do	4.6	1.06		4.9
4-17	do				.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		BUSHNELL CANAL—A-504			
		Diverted from Lodgepole Creek—Sec. 2-14-58 W.			
		Measurements Made at Headgate			
10-23	K. S. Essex	.....	.....	.....	0.0
11-26	do	.....	.....	.....	.0
4-16	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
		CASTLE ROCK CANAL—D-921			
		Diverted from North Platte River—Sec. 4-21-54 W.			
		Measurements Made at Rating Flume			
5-14	Fred Hervert	30.6	2.06	1.67	63.0
5-21	do	34.2	2.06	1.90	70.5
5-29	do	34.2	2.23	1.88	76.4
7- 2	K. S. Essex	34.2	2.04	1.96	69.8
7-19	do	27.0	1.99	1.52	53.9
7-29	do	43.2	1.94	2.40	83.9
8- 5	do	41.4	2.15	2.28	89.2
8-13	Ivan W. Bauer	44.6	1.94	2.46	86.6
8-28	do	32.4	1.95	1.77	63.3
9-12	do	37.8	1.77	2.10	66.8
9-24	do	23.4	1.84	1.30	43.0
		CASTLE ROCK CANAL SPILL			
		West of McGrew—Sec. 34-21-53 W.			
5-21	Fred Hervert	0.6	0.40	1.60	0.3
8-28	Ivan W. Bauer	8.8	1.42	.....	12.5
9-24	do	14.0	1.57	.90	22.0
		CENTRAL CANAL—D-926			
		Diverted from North Platte River and Pathfinder Reservoir—Sec. 36-22-55 W.			
		Measurements Made at Rating Flume			
5-22	Fred Hervert	9.9	1.28	0.72	12.6
6- 6	do	21.0	1.82	1.86	38.3
6-18	do	10.3	.84	.22	8.7
7- 2	K. S. Essex	.....	.....	.....	.0
7-19	do	16.0	1.29	1.55	20.7
8- 5	do	19.0	1.22	1.82	23.2
9- 5	Ivan W. Bauer	20.1	1.41	1.85	28.4
9-17	do	12.0	1.29	1.04	15.5
		CENTRAL CANAL SPILL			
		Sec. 4-21-54 W.			
6- 6	Fred Hervert	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
CHAMPION CANAL—D-47					
Diverted from Frenchman River—Sec. 23-6-40 W.					
Measurements Made at Headgate					
11- 9	K. S. Essex	21.4	0.69	----	14.8
1-18	do	----	----	----	.0
2-10	do	10.3	1.55	----	16.0
3-10	do	9.7	1.74	----	17.4
4-11	do	----	----	----	.0
5-12	do	4.4	1.25	1.22	5.5
CHIMNEY ROCK CANAL—D-844, D-1031, A-2190					
Diverted from North Platte River and Pathfinder Reservoir—Sec. 1-20-53 W.					
Measurements Made at Rating Flume					
5-14	Fred Hervert	15.4	1.55	0.31	23.8
5-20	do	28.8	1.79	.55	51.5
5-23	do	33.1	1.73	.80	57.3
5-29	do	40.8	1.66	.97	67.6
6-26	K. S. Essex	11.7	4.58	.69	53.6
7-11	do	12.6	3.62	.75	45.6
7-29	do	16.2	4.52	.92	73.3
8-13	Ivan W. Bauer	41.6	1.66	1.00	69.0
8-28	do	6.8	1.88	.28	12.8
9-13	do	11.6	3.43	.65	39.8
CHIMNEY ROCK CANAL SPILL NO. 1					
Sec. 14-20-52 W.					
5-14	Fred Hervert	1.8	1.16	0.94	2.1
5-21	do	4.9	1.98	1.25	9.7
5-28	do	.7	.86	.74	.6
7- 3	K. S. Essex	6.0	2.05	1.42	12.3
7-30	do	4.5	1.91	1.20	8.6
8-28	Ivan W. Bauer	2.6	1.35	1.05	3.5
9-13	do	1.1	1.00	.79	1.1
CHIMNEY ROCK CANAL SPILL NO. 2					
Sec. 18-20-51 W.					
5-14	Fred Hervert	5.1	0.22	1.01	1.1
5-21	do	15.8	.65	2.15	10.3
5-28	do	8.4	1.90	.60	16.0
6-26	K. S. Essex	1.9	.98	.42	1.9
7-30	do	2.8	1.11	.42	3.1
8-28	Ivan W. Bauer	5.6	.43	.75	2.4
9-13	do	7.6	1.26	.98	9.6

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		CHRISTENSEN CANAL, NORTH—D-367			
		Diverted from Lodgepole Creek—Sec. 7-14-51 W.			
		Measurements Made at Headgate			
10-24	K. S. Essex				0.5
11-25	do				.0
2-20	do				.0
3-18	do				.0
4-15	do	2.1	0.57		1.2
6-19	do				.0
		CHRISTENSEN CANAL, SOUTH—D-366			
		Diverted from Lodgepole Creek—Sec. 7-14-51 W.			
		Measurements Made at Headgate			
10-24	K. S. Essex	2.8	0.22		0.6
11-25	do				0
2-20	do				.0
3-18	do				.0
4-15	do	3.8	.53		2.0
6-19	do				.0
		CIRCLE ARROW CANAL—D-346			
		Diverted from Lodgepole Creek—Sec. 30-15-54 W.			
		Measurements Made at Headgate			
11-25	K. S. Essex				0.0
12-16	do				.0
3-18	do				.0
4-16	do	3.0	2.00		6.0
5- 1	Essex-Hanna	.8	4.25	0.28	3.4
6-19	do	3.7	3.20	1.40	12.1
9- 5	do	.5	2.59	.20	1.5
		CLEAR CREEK CANAL—D-748			
		Diverted from Clear Creek—Sec. 32-16-41 W.			
		Measurements Made at Rating Flume			
10- 1	Fred Hervert				0.0
3-18	do				.0
8- 6	Ivan W. Bauer	5.8	1.19		6.9
8-18	do	6.4	1.18	.83	7.6
		CODY-DILLON CANAL—D-649			
		Diverted from North Platte River—Sec. 9-14-31 W.			
		Measurements Made at 10-foot Cipolletti Weir			
10- 3	Fred Hervert	15.4	0.73	0.52	11.3
10-13	do	8.2	1.23	.45	10.1

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		CODY-DILLON CANAL—Concluded			
4-14	Ivan W. Bauer	.....	.....	.....	0.0
5-29	do	10.8	1.15	0.53	12.4
6-10	do	13.3	1.12	.63	14.9
6-17	do	11.6	1.22	.51	14.1
6-28	do	10.4	1.48	.57	15.4
7- 9	Bauer-Kleen	10.1	1.40	.55	14.2
8- 6	Melvin Kleen	12.2	1.44	.65	17.6
8-14	do	19.4	1.79	.96	34.6
8-21	do	19.2	1.71	.95	32.8
8-28	do	9.7	1.24	.51	12.0
9- 6	do	5.7	.95	.36	5.4
9-13	do	9.2	1.34	.56	12.3
9-19	do	9.8	1.24	.55	12.2
9-25	do	6.2	.81	.33	5.0
		COFFEE CANAL, EAST—D-512 Diverted from Hat Creek—Sec. 26-33-55 W. Measurements Made at Headgate			
11- 4	Essex-Rasmussen	.....	.....	.....	2.5
5-24	K. S. Essex	.....	.....	.....	.8
9-17	do	.....	.....	.....	1.7
		COLD WATER CANAL—D-796 Diverted from Cold Water Creek—Sec. 26-18-46 W. Measurements Made into Lisco and North River Canal			
1- 2	Fred Hervert	2.5	1.05	.....	2.6
2- 1	do	2.3	1.25	.....	2.8
3-17	do	2.4	1.16	.....	2.8
4- 7	do	.....	.....	.....	3.4
5- 7	do	3.0	1.17	.....	3.5
5-23	do	2.7	1.18	.....	3.2
6- 3	do	2.5	1.08	.....	2.7
9-27	J. P. Hansen	2.4	1.12	.....	2.7
		COLE PROJECT DAM NO. 1—A-2254 Diverted from Bear Creek—Sec. 14-34-37 W. Measurements Made at Headgate			
1-27	K. S. Essex	1.4	0.63	.....	0.9
1-29	do	1.8	.61	.....	1.1
2-26	do	1.5	.63	.....	.9
3-28	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		COLUMBUS POWER CANAL—A-2287			
		Diverted from Loup River—Sec. 6-16-4 W.			
		Measurements Made ¼ Mile below Weir—Sec. 28-17-4 W.			
12- 6	W. L. Phillips	1080.0	2.04	2.96	2230.0
4- 3	do	1145.0	2.21	3.31	2528.6
4- 5	do	1119.0	2.17	3.20	2427.0
4-16	do	1186.0	2.25	3.38	2671.0
4-21	do	1254.0	2.64	3.80	3311.0
4-22	do	1226.0	2.36	3.60	2898.0
4-23	do	1230.0	2.43	3.61	2992.0
6-10	do	1193.0	2.70	3.81	3237.0
6-22	do	1114.0	2.67	3.62	2971.0
		COOK CANAL NO. 1—D-980			
		Diverted from Niobrara River—Sec. 1-28-56 W.			
		Measurements Made at Headgate			
11- 5	K. S. Essex	4.0	0.35	—	1.4
12- 1	do	—	—	—	.0
2- 3	do	—	—	—	.0
4-28	do	—	—	—	.0
		COURT HOUSE ROCK CANAL—D-840, D-1028, A-851, A-2315			
		Diverted from Pumpkinseed Creek—Sec. 30-19-50 W.			
		Measurements Made at Rating Flume			
10- 7	Fred Hervert	16.2	1.08	0.90	17.5
10-26	K. S. Essex	5.6	2.25	.68	12.6
2- 6	do	—	—	—	.0
3-15	Charles H. Carstens	12.5	1.42	.64	17.8
3-22	do	10.6	.95	.46	10.1
3-25	do	11.8	.87	.43	10.3
4- 8	Fred Hervert	13.9	1.23	.81	17.1
5- 3	K. S. Essex	—	—	—	.0
5-19	do	4.5	2.96	—	13.3
5-26	Fred Hervert	10.7	1.08	.48	11.5
6-23	K. S. Essex	7.2	3.07	.80	22.1
7- 7	do	4.5	2.67	.54	12.0
7-21	do	4.4	2.32	.50	10.2
8- 2	Ivan W. Bauer	9.0	1.52	1.05	13.7
8-23	do	9.4	1.20	1.10	11.3
8-30	J. P. Hansen	10.4	1.20	1.15	12.5
9- 8	do	9.9	1.16	1.16	11.5
9-15	do	9.0	1.18	1.15	10.6
9-22	do	10.8	1.06	1.24	11.5
9-29	do	9.3	1.00	.99	9.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		COZAD CANAL—D-626, A-2050, A-2056			
		Diverted from Platte River and Sutherland Reservoir—Sec. 16-11-25 W.			
		Measurements Made at Rating Flume—Sec. 13-11-25 W.			
10- 5	Fred Hervert	.....	.....	.....	0.0
10-11	do	44.9	0.85	1.36	38.4
10-24	do	107.3	1.24	3.07	133.5
10-29	do	106.8	1.31	3.03	139.9
12- 8	do	86.8	1.09	2.43	93.9
2- 6	do	.....	.....	.....	.0
3-20	do	.....	.....	.....	.0
5-12	Ivan W. Bauer	21.2	.96	.57	20.3
5-22	do	35.3	1.16	1.30	41.0
6- 2	do	41.8	1.24	1.43	51.9
6-13	do	38.5	1.26	1.30	48.6
6-21	do	50.1	1.60	1.58	80.3
7- 1	do	50.0	1.39	1.56	69.4
7-15	Bauer-Kleen	33.8	1.23	.89	41.6
7-22	do	37.6	1.34	1.06	50.2
7-31	Melvin Kleen	68.4	1.42	2.03	97.0
8- 2	do	69.7	1.39	2.05	96.8
8- 5	do	88.8	1.54	2.60	136.8
8-12	do	92.4	1.64	2.92	151.8
8-15	do	81.5	1.59	2.59	129.3
8-19	do	53.7	.69	1.35	36.8
8-27	do	63.7	1.48	2.12	94.0
9- 3	do	66.2	1.46	2.21	96.7
9-10	do	45.0	.93	1.22	41.7
9-16	do	44.0	1.06	1.30	46.6
9-26	do	11.8	.80	.32	9.4
		COZAD CANAL SPILL			
		Into Dawson County Canal—Sec. 6-10-22 W.			
6- 5	Ivan W. Bauer	.....	.....	.....	0.0
6-13	do	2.5	0.96	0.52	2.4
6-21	do	11.6	2.19	1.48	2.5
7- 1	do	7.4	1.73	1.17	12.8
7-15	Bauer-Kleen	.....	.....	.13	.2
7-22	do	6.5	2.28	1.11	14.8
8- 8	Melvin Kleen	1.4	.57	.31	.8
8-22	do	3.2	1.16	.57	3.7
8-29	do	9.6	2.50	1.40	24.0
9- 4	do	9.4	2.56	1.47	24.1
9-11	do	7.7	2.48	1.34	19.1
9-20	do	8.8	2.56	1.46	22.5
9-27	do	3.4	1.44	.60	4.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	CREWS CANALS, NO. 2 AND NO. 3—A-1709, A-1826				
	Diverted from North Fork Republican River—Sec. 20-1-41 W.				
	Measurements Made at Headgate				
5- 7	Essex-Gerlach				0.0
6- 5	do				.0
	CREWS CANAL—D-1025R, Petition 241				
	Diverted from North Fork Republican River—Sec. 21-1-41 W.				
	Measurements Made at Headgate				
5- 7	K. S. Essex				0.0
6- 5	Essex-Gerlach				.0
	CRIGLER CANAL—D-861, A-486				
	Diverted from Lawrence Fork—Sec. 1-18-52 W.				
	Measurements Made at Headgate				
10-26	K. S. Essex				0.0
6-23	do				.0
	CULBERTSON CANAL—D-24, D-25, D-29, D-30				
	Diverted from Frenchman River and Stinking Water Creek—Sec. 31-5-33 W.				
	Measurements Made at Rating Flume				
11-13	Essex-Gerlach				0.0
12-12	K. S. Essex				.0
1-20	do				.0
3-11	do				.0
4-10	do				.0
5-10	Essex-Gerlach	33.2	1.28	2.12	42.8
6- 7	do	18.7	.89	1.15	16.7
	DAWSON COUNTY CANAL—D-621, D-622, D-624, A-2039, A-2093, A-2110, A-2145, A-2262				
	Diverted from Platte River and Sutherland Reservoir—Sec. 18-10-23 W.				
	Measurements Made at Rating Flume—Sec. 7-10-23 W.				
10- 5	Fred Hervert	140.8	2.12	2.34	298.2
10-12	do	142.5	2.13	2.41	303.4
10-23	do	105.5	1.62	1.73	171.0
2- 6	do				.0
3-20	do				.0
5-22	Ivan W. Bauer	46.2	1.02	.87	47.2
6- 2	do	78.1	1.12	1.19	87.2
6-13	do	63.1	1.12	1.09	70.5
6-21	do	49.0	1.30	.95	63.9
7- 1	do	80.5	1.52	1.37	122.3

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		DAWSON COUNTY CANAL—Concluded			
7-15	Bauer-Kleen	80.4	1.48	1.33	119.1
7-22	do	103.1	1.82	1.68	187.1
8- 1	Melvin Kleen	160.7	1.75	2.47	281.4
8- 8	do	152.8	1.90	2.56	289.8
8-16	do	108.9	1.58	1.90	172.1
8-19	do	124.6	1.50	1.96	186.5
8-26	do	145.2	1.78	2.46	258.1
9- 3	do	132.6	1.69	2.22	226.0
9- 5	do	124.4	1.76	2.19	219.0
9-16	do	95.7	1.66	1.74	159.0
9-26	do	92.8	1.74	1.76	161.4
		DAWSON COUNTY CANAL SPILL Into French Creek—Sec. 1-10-22 W.			
6- 5	Ivan W. Bauer	.....	.....	0.75	0.3
7- 1	do	3.6	1.17	1.15	4.2
7-15	Bauer-Kleen	1.2	.67	.86	.8
7-22	do	4.4	1.07	1.00	4.7
8- 8	Melvin Kleen	.5	.60	.56	.3
8-22	do	.8	.75	.61	.6
8-29	do	3.8	.53	.81	2.0
9- 4	do	46.6	1.18	3.95	55.3
9-11	do	13.8	1.68	1.85	23.2
9-20	do	1.0	.60	.60	.6
9-27	do	4.3	.84	.92	3.6
		DAWSON COUNTY CANAL SPILL Into Elm Creek—Sec. 13-9-19 W.			
10-12	Fred Hervert	.....	.....	.....	0.0
6- 5	Ivan W. Bauer	.....	.....	.....	.0
7-14	Bauer-Kleen	1.4	1.50	0.13	2.1
7-21	do	.8	1.00	.09	.8
8-30	Melvin Kleen	.....	.....	.04	.1
9-11	do	1.3	1.08	.10	1.4
		DAWSON COUNTY CANAL SPILL NO. 5 Into Strever Creek—Sec. 3-9-21 W.			
8-22	Melvin Kleen	.....	.....	.....	0.2
		DELAWARE-HICKMAN CANAL—D-157 Diverted from Republican River—Sec. 17-1-34 W. Measurements Made at Headgate			
6- 5	Essex-Gerlach	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		DICKINSON CANAL—D-967			
		Diverted from Lodgepole Creek—Sec. 33-14-47 W.			
		Measurements Made at Headgate			
10-25	K. S. Essex	----	----	----	0.0
		DICKINSON CANAL—D-969			
		Diverted from Lodgepole Creek—Sec. 26-14-47 W.			
		Measurements Made at Headgate			
10-25	K. S. Essex	----	----	----	0.0
11-27	do	----	----	----	.0
12-17	do	----	----	----	.0
3-19	do	2.0	0.55	----	1.1
4-17	do	----	----	----	.0
6-21	do	----	----	----	.0
		DOUT BROTHERS CANAL—D-981			
		Diverted from Jim Creek—Sec. 7-33-56 W.			
		Measurements Made below Headgate			
5-24	K. S. Essex	----	----	----	0.1
9-17	do	----	----	----	.0
		EARNEST CANAL NO. 1—D-514a			
		Diverted from Niobrara River—Sec. 9-29-56 W.			
		Measurements Made at Headgate			
11- 5	K. S. Essex	10.0	0.88	----	8.8
12- 1	do	----	----	----	.0
2- 3	do	----	----	----	.0
4-28	do	9.1	1.25	----	11.4
		EARNEST CANAL NO. 2—D-514b			
		Diverted from Niobrara River—Sec. 9-29-56 W.			
		Measurements Made at Headgate			
11- 5	K. S. Essex	----	----	----	0.0
12- 1	do	----	----	----	.0
2- 3	do	----	----	----	.0
4-28	do	----	----	----	.0
		ELM CREEK CANAL—A-2104			
		Diverted from Platte River and Sutherland Reservoir—Sec. 6-8-19 W.			
		Measurements Made at Rating Flume—Sec. 33-9-19 W.			
10- 5	Fred Hervert	24.8	1.16	0.93	28.7
10-12	do	23.9	1.18	.93	28.2
10-23	do	9.4	.36	.23	3.4
12- 7	do	24.0	1.37	.88	32.9

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		ELM CREEK CANAL—Concluded			
1- 9	Fred Hervert	----	----	----	0.0
3-21	do	----	----	----	.0
3-28	Hervert-Bauer	18.6	1.26	.64	23.4
4-10	Ivan W. Bauer	29.4	.82	1.32	24.0
4-17	do	21.0	1.31	.79	27.5
5- 2	do	22.6	1.38	.83	31.3
5-14	do	12.0	.58	.31	7.0
6- 5	do	----	----	.12	.2
6-20	do	12.8	.63	.36	8.1
7-14	Bauer-Kleen	21.6	1.20	.83	25.9
7-21	do	34.7	1.24	1.59	42.9
8- 2	Melvin Kleen	18.0	1.18	.58	21.2
8- 4	do	16.5	1.09	.57	18.0
8- 9	do	21.0	1.33	.84	28.0
8-16	do	30.1	1.43	1.30	43.2
8-30	do	16.8	1.12	.48	20.1
9- 5	do	16.6	1.17	.48	19.5
9-11	do	11.8	.61	.24	7.2
9-20	do	11.8	.54	.21	6.4
9-27	do	13.4	.71	.29	9.5
		ELM CREEK CANAL SPILL			
		Into Elm Creek—Sec. 20-9-18 W.			
10- 5	Fred Hervert	----	----	----	0.0
		EMPIRE CANAL—D-858, A-866			
		Diverted from North Platte River—Sec. 18-20-51 W.			
		Measurements Made at Rating Flume—Sec. 20-20-51 W.			
5-10	Fred Hervert	10.2	1.26	1.11	12.8
5-14	do	4.8	.75	.37	3.6
5-28	do	7.5	.93	.76	7.0
7- 8	K. S. Essex	----	----	----	.0
7-28	do	9.7	1.10	1.15	10.7
8- 2	Ivan W. Bauer	9.8	1.07	1.11	10.5
9-13	do	8.2	1.10	.97	9.0
		ENTERPRISE CANAL—D-920			
		Diverted from North Platte River—Sec. 27-23-57 W.			
		Measurements Made at Rating Flume			
5- 1	Fred Hervert	32.2	1.91	0.58	61.6
5-17	do	42.6	1.94	1.02	82.9
5-31	do	40.2	2.26	.94	90.7
6-17	do	25.5	1.16	.45	29.6

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		ENTERPRISE CANAL—Concluded			
7- 5	K. S. Essex	33.0	3.31	1.10	109.5
7-19	do	27.0	3.36	.95	90.8
8- 7	do	30.0	3.07	.98	92.2
8-16	Ivan W. Bauer	36.2	3.06	1.16	110.8
9- 9	do	25.6	3.05	.87	78.2
9-18	do	26.8	3.14	.90	84.3
		ENTERPRISE CANAL—D-920			
		Diverted from Morrill Drain—Sec. 13-23-57 W.			
		Measurements Made above Intersection with Enterprise Canal			
11-25	Charles H. Carstens	5.3	0.19	.....	1.0
2- 5	do	3.7	.14	.....	.5
2-19	do	...	...	...	.5
3- 5	do	1.3	.12	.....	.2
3-19	do	.....	.....	.....	.3
4-30	Fred Hervert	.....	.....	.....	.0
5-17	do	.....	.....	.....	.1
5-31	do	.....	.....	.....	.1
7-29	K. S. Essex	3.7	.54	.....	2.0
8-16	Ivan W. Bauer	4.0	.52	.....	2.1
9- 5	do	4.2	.66	.....	2.8
9-18	do	3.5	.71	.....	2.5
		ENTERPRISE CANAL—D-920			
		Diverted from Stewart Drain—Sec. 13-23-57 W.			
		Measurements Made above Intersection with Enterprise Canal			
11-25	Charles H. Carstens	2.1	0.33	.....	0.7
2- 5	do	.4	1.00	.....	.4
2-19	do	.....	.....	.....	.3
3- 5	do	.5	.68	.....	.3
3-19	do	.....	.....	.....	.4
4-30	Fred Hervert	.....	.....	.....	.2
5-17	do	.....	.....	.....	.1
		ENTERPRISE CANAL—D-920			
		Diverted from Wet Spotted Tail Creek—Sec. 22-23-56 W.			
		Measurements Made above Intersection with Enterprise Canal			
5- 1	Fred Hervert	4.0	0.65	1.10	2.6
5-17	do	6.9	.59	...	4.1
5-31	do	6.7	.60	...	4.0
8-16	Ivan W. Bauer	6.4	1.53	...	9.8
9- 9	do	8.1	1.07	.....	8.7
9-18	do	8.1	1.04	.....	8.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	ENTERPRISE CANAL—D-920 (O. D. A-2409)				
	Diverted from Winters Creek—Sec. 8-22-54 W.				
	Measurements Made at Rating Flume				
5-16	Fred Hervert	3.1	1.48	1.82	4.6
5-30	do	2.7	1.74	1.69	4.7
7-22	Essex-Ludden	2.7	1.59	1.75	4.3
8- 5	K. S. Essex	3.0	1.57	1.92	4.7
8-15	Ivan W. Bauer	4.8	1.55	2.07	7.4
9- 9	do	3.0	1.13	2.13	3.4
9-18	do	2.1	1.24	1.95	2.6
	ENTERPRISE CANAL SPILL				
	Into Winters Creek—Sec. 17-22-54 W.				
5- 8	Fred Hervert	7.8	1.38	0.48	10.8
5-16	do	2.3	2.00	.36	4.6
5-30	do	3.9	3.67	.73	14.3
7- 2	K. S. Essex	6.7	4.52	1.20	30.3
7-22	do	2.2	2.18	.42	4.8
8- 5	do	2.8	2.71	.52	7.6
8-15	Ivan W. Bauer	1.1	1.69	.25	1.9
9- 9	do	3.5	4.77	.86	16.7
9-18	do	3.3	2.27	.60	7.5
	ENTERPRISE CANAL SPILL				
	Into Winters Creek—Sec. 18-22-54 W.				
8-15	Ivan W. Bauer	3.9	0.59		2.3
9- 9	do	2.5	1.04		2.6
9-18	do	1.9	1.10		2.1
	EXCELSIOR CANAL—D-568, A-2264				
	Diverted from Niobrara River—Sec. 10-28-52 W.				
	Measurements Made at Headgate				
11- 6	K. S. Essex				0.0
12- 3	do				.0
12-30	do				.0
2- 2	do				.0
4- 1	do				.0
4-24	do				.0
5-26	do				.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
FARMERS CANAL—D-10					
Diverted from Frenchman River—Sec. 11-3-32 W.					
Measurements Made at Headgate					
11-13	K. S. Essex	----	----	----	0.0
12-12	do	----	----	----	.0
1-20	do	----	----	----	.0
3-12	do	----	----	----	.0
4-10	do	----	----	----	.0
5-10	Essex-Gerlach	----	----	----	.0
6- 4	do	----	----	----	.0
FOLLETT-KROTTER CANAL—A-705, A-720, A-975, A-2294, A-2805					
Diverted from Frenchman River—Sec. 35-5-34 W.					
Measurements Made at Rating Flume					
11-13	Essex-Gerlach	----	----	----	0.0
1-20	K. S. Essex	----	----	----	.0
3-11	do	----	----	----	.0
5-10	Essex-Gerlach	----	----	----	.0
6- 7	do	----	----	----	.0
FURMAN CANAL, NORTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W.					
Measurements Made at Headgate					
11- 2	K. S. Essex	----	----	----	0 .0
12- 3	do	----	----	----	.0
12-30	do	----	----	----	.0
2- 2	do	----	----	----	.0
4- 1	do	----	----	----	.0
4-24	do	----	----	----	.0
5-26	do	----	----	----	.0
9-16	do	----	----	----	.0
FURMAN CANAL, SOUTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W.					
Measurements Made at Headgate					
11- 2	K. S. Essex	----	----	----	0.0
12- 3	do	----	----	----	.0
12-30	do	----	----	----	.0
2- 2	do	----	----	----	.0
4- 1	do	----	----	----	.0
4-24	do	----	----	----	.0
5-26	do	----	----	----	.0
9-16	do	----	----	----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		GALLUP CANAL—D-426			
		Diverted from Chadron Creek—Sec. 15-33-49 W.			
		Measurements Made at Headgate			
10-31	K. S. Essex	.....	.....	.....	0.0
11-30	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
		GERING CANAL—A-365			
		Diverted from North Platte River and Pathfinder Reservoir—Sec. 4-23-58 W.			
		Measurements Made at 15-foot Parshall Flume			
11- 8	Charles H. Carstens	28.1	3.95	1.50	111.1
11-19	do	29.0	3.96	1.55	114.8
12- 2	do	2.6	.50	.13	1.3
4-17	Fred Hervert	22.9	3.42	1.18	78.4
5- 9	do	75.5	1.68	1.66	126.8
6- 7	do	71.2	1.43	1.43	101.6
7- 5	do	.....	.....	.....	2.0
7- 9	K. S. Essex	27.2	3.87	1.43	107.8
9- 4	Ivan W. Bauer	30.9	4.19	1.63	129.6
		GERING CANAL—A-365			
		Diverted from North Platte River—Sec. 4-23-58 W.			
		Measurements Made at 15-foot Parshall Flume,			
		Bad Lands Station—Sec. 29-22-55 W.			
				Ha / Hb	
7- 8	K. S. Essex	75.1	1.04	1.64 / 1.32	78.3
9-26	Ivan W. Bauer	90.2	1.36	2.10 / 1.74	122.4
		GERING CANAL—A-365			
		Diverted from Melbeta Drain—Sec. 24-21-54 W.			
		Measurements Made at Lateral Headgate			
5-14	Fred Hervert	3.5	0.77	.....	2.7
		GOTHENBURG DIVERSION CANAL—D-645a, 645b			
		Diverted from Platte River—Sec. 29-12-26 W.			
		Measurements Made at Parshall Flume—Sec. 28-12-26 W.			
10- 4	Fred Hervert	82.6	1.47	1.56	121.6
10-30	do	88.5	4.32	2.86	382.6
3-21	do	54.2	3.03	1.77	164.3

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		GOTHENBURG DIVERSION CANAL—Concluded			
4-11	Ivan W. Bauer	107.0	1.52	1.74	162.3
4-18	do	95.8	1.39	1.58	132.9
4-26	do	85.8	1.38	1.49	118.9
5-12	do	150.0	1.96	2.62	294.5
5-22	do	132.8	1.59	2.12	210.6
6- 2	do	120.0	1.47	1.90	176.9
6-13	do	117.6	1.44	1.89	169.4
7-15	Bauer-Kleen	80.1	4.07	2.61	325.4
7-22	do	81.0	4.23	2.64	342.6
7-31	Melvin Kleen	121.8	1.58	1.98	192.8
8- 5	do	145.4	1.80	2.44	261.7
8-15	do	154.3	1.82	2.51	281.4
8-27	do	166.0	1.64	2.47	272.8
9- 9	do	138.9	1.71	2.30	237.4
9-30	do	134.6	1.65	2.19	222.3
		GOTHENBURG IRRIGATION CANAL—D-645b			
		Diverted from Platte River and Sutherland Reservoir—Sec. 29-12-26 W.			
		Measurements Made at Rating Flume—Sec. 3-11-25 W.			
10- 4	Fred Hervert	.....	.....	1.80	2.0
10-11	do	18.3	0.80	1.20	14.7
10-24	do	80.4	2.68	3.54	215.4
10-29	do	84.2	2.68	3.62	227.1
12- 5	do	.....	.....	.....	12.0
3-21	do	.....	.....	.....	.0
5- 3	Ivan W. Bauer	35.4	1.73	1.42	61.1
5-12	do	67.4	1.84	2.23	124.0
5-22	do	36.2	1.56	1.22	56.6
6- 2	do	12.3	1.15	.45	14.2
6-19	do	22.9	1.49	.78	34.1
7- 1	do	61.9	1.70	1.90	105.4
7-15	Bauer-Kleen	60.6	1.32	1.92	79.8
7-22	do	72.6	1.65	2.60	119.7
7-31	Melvin Kleen	51.8	1.08	2.28	56.2
8- 5	do	45.8	1.94	1.69	89.0
8-12	do	79.5	1.28	2.55	101.9
8-15	do	79.6	1.23	2.53	97.9
8-20	do	7.7	1.68	.55	12.9
8-27	do	69.0	.97	2.35	67.0
9- 3	do	86.0	1.50	2.92	128.9
9- 9	do	59.1	1.40	2.32	83.0
9-16	do	76.4	1.33	2.62	101.4
9-26	do	45.6	1.06	1.90	48.2
9-30	do	42.0	1.10	1.77	46.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		GOTHENBURG POWER RETURN			
		Gothenburg—Sec. 9-11-25 W.			
10- 4	Fred Hervert	73.2	1.69	2.86	123.8
10-24	do	77.4	1.72	2.99	133.2
12- 8	do	85.8	1.81	3.18	155.0
1- 9	do	90.6	1.74	3.26	157.5
2- 5	do	87.6	1.72	3.23	150.8
3- 6	do	32.8	.99	1.51	32.4
3-21	do	72.2	1.53	3.05	110.4
4-11	Ivan W. Bauer	79.2	1.81	3.13	143.6
4-18	do	61.0	1.67	2.66	101.7
4-26	do	66.4	1.65	2.81	109.5
5-12	do	85.2	1.71	3.25	145.7
5-22	do	78.7	1.66	3.10	130.7
6- 2	do	84.8	1.71	3.23	144.7
6-13	do	86.0	1.77	3.27	152.1
6-19	do	88.3	1.78	3.28	156.9
7-15	Bauer-Kleen	87.5	1.87	3.24	163.2
7-23	do	87.6	1.83	3.27	159.2
7-31	Melvin Kleen	84.6	1.83	3.27	154.8
8- 5	do	82.4	1.90	3.25	157.0
8-15	do	81.4	1.90	3.26	154.8
8-27	do	85.8	1.87	3.43	160.1
9- 9	do	88.5	1.81	3.46	160.5
9-30	do	98.0	1.92	3.71	188.6
		GOTHENBURG TAIL SPILL			
		Into Buffalo Creek—Sec. 8-11-22 W.			
6-13	Ivan W. Bauer	.....	.....	.....	0.2
6-21	do	.....	.....	0.04	.2
7-15	Bauer-Kleen	.....	.....	.01	.1
7-22	do	9.8	1.63	.62	16.0
9- 4	Melvin Kleen	6.7	1.06	.43	7.1
9-11	do	4.4	.20	.13	.9
9-27	do	5.8	.76	.33	4.4
		GRAF CANAL—D-763R, D-781R, D-788			
		Diverted from Blue Creek and Crescent Lake, A-1575—			
		Sec. 19-16-42 W.			
		Measurements Made at Rating Flume			
10- 1	Fred Hervert	20.4	1.35	2.17	27.5
10- 9	do	10.7	1.21	1.22	12.9
11- 7	do	15.9	1.22	1.62	19.4
12- 2	do	.....	.....	.....	.0
3-18	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		GRAF CANAL—Concluded			
5- 7	Fred Hervert	14.6	1.23	1.55	18.0
5-24	do	11.9	1.23	1.32	14.7
7-16	K. S. Essex	6.9	1.22	.80	8.4
7-28	Ivan W. Bauer	12.4	1.10	1.41	13.6
8- 5	do	13.0	1.04	1.44	13.5
8-20	do	14.0	1.19	1.57	16.6
8-26	Bauer-Hansen	12.0	1.16	1.35	14.0
9- 4	J. P. Hansen	15.4	.96	1.71	14.7
9-10	do	16.3	1.09	1.71	17.8
9-17	do	16.6	1.20	1.82	19.9
9-26	do	15.6	.96	1.50	14.9
		GUNDERSON CANAL—D-305			
		Diverted from Lodgepole Creek—Sec. 1-14-52 W.			
		Measurements Made at Headgate			
10-24	K. S. Essex	----	----	----	0.0
11-25	do	----	----	----	.0
2-20	do	----	----	----	0
3-18	do	----	----	----	.0
4-15	do	----	----	----	.0
6-19	do	----	----	----	.0
		HALL CANAL—D-478c			
		Diverted from White River—Sec. 34-32-52 W.			
		Measurements Made at Headgate			
10-31	K. S. Essex	----	----	----	0.0
11-30	do	----	----	----	.0
12-31	do	----	----	----	.0
1-31	do	----	----	----	.0
3- 3	do	----	----	----	.0
3-26	do	----	----	----	.0
4-22	do	----	----	----	.0
5-23	do	2.8	2.00	----	5.6
9-12	do	----	----	----	.0
		HALLOWAY-PHELPS CANAL—D-717			
		Diverted from White Tail Creek—Sec. 36-15-38 W.			
		Measurements Made below Diversion Dam			
10- 2	Fred Hervert	----	----	----	0.0
		HANNAH CANAL—D-886			
		Diverted from North Platte River—Sec. 24-18-47 W.			
		Measurements Made at Headgate			
9- 9	J. P. Hansen	----	----	----	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	HARPER CANAL—A-2316				
	Diverted from Clear Creek—Sec. 32-16-41 W.				
	Measurements Made at Headgate				
4- 8	Ivan W. Bauer	1.3	0.44	—	0.6
	HARRIS-COOPER CANAL—D-464a, D-464b				
	Diverted from White River—Sec. 26-32-52 W.				
	Measurements Made at Headgate				
10-31	K. S. Essex	—	—	—	0.0
11-30	do	—	—	—	.0
12-31	do	—	—	—	.0
1-31	do	—	—	—	.0
3- 3	do	—	—	—	.0
3-26	do	—	—	—	.0
4-22	do	—	—	—	.0
5-27	do	—	—	—	.0
9-12	do	—	—	—	.0
	HARRIS-NEECE CANAL—D-517, A-2275				
	Diverted from Niobrara River—Sec. 3-28-55 W.				
	Measurements Made at Headgate				
11- 5	K. S. Essex	6.0	1.98	—	11.9
12- 1	do	—	—	—	.0
4-24	do	—	—	—	.0
	HARTZELL CANAL—D-448				
	Diverted from Little Bordeaux Creek—Sec. 13-33-48 W.				
	Measurements Made at Headgate				
11- 1	K. S. Essex	0.2	0.22	—	0.1
12- 2	do	—	—	—	.3
12-29	do	—	—	—	.0
2- 1	do	—	—	—	.0
3- 1	do	—	—	—	.0
4-21	do	—	—	—	.0
5-25	do	—	—	—	.2
9-13	do	—	—	—	.0
	HAT CREEK CANAL, WEST—D-553a				
	Diverted from Hat Creek—Sec. 16-32-55 W.				
	Measurements Made below Headgate				
9-17	K. S. Essex	—	—	—	0.0
	HIGH LINE CANAL—A-1682				
	Diverted from Jim Creek—Sec. 13-33-57 W.				
	Measurements Made at Headgate				
9-17	K. S. Essex	—	—	—	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		HITSHEW CANAL—A-1260			
		Diverted from Niobrara River—Sec. 6-28-52 W.			
		Measurements Made at Headgate			
11- 6	K. S. Essex				0.0
12- 3	do				.0
12-30	do				.0
2- 2	do				.0
4- 1	do				.0
4-24	do				.0
5-26	do	4.3	0.56		2.4
		HOLCOMBE CANAL—D-636			
		Diverted from Pawnee Creek—Sec. 13-13-28 W.			
		Measurements Made at Rating Flume			
10- 4	Fred Hervert			0.20	0.0
4- 5	Ivan W. Bauer	1.4	0.82	.27	1.2
4-21	do				.0
5- 6	do	2.0	.62	.30	1.2
5-15	do	3.7	.95	.63	3.5
5-24	do	2.6	.89	.50	2.3
7-11	Bauer-Kleen	.9	.78	.13	.7
8-27	Melvin Kleen			-.11	.0
9-12	do	2.0	.45	.42	.9
9-17	do	3.3	.42	.50	1.4
		HOLLINGSWORTH CANAL—D-723			
		Diverted from South Platte River—Sec. 7-13-38 W.			
		Measurements Made at Rating Station			
10- 2	Fred Hervert	6.2	1.08	0.81	6.7
7- 8	Bauer-Kleen	9.8	.96	2.13	9.4
7-18	do	10.3	1.06	2.17	10.9
7-24	Melvin Kleen	8.1	1.14	1.05	9.2
		HOOPER CANAL—D-781, D-788R			
		Diverted from Blue Creek and Crescent Lake, A-1575—Sec. 6-16-42 W.			
		Measurements Made at Rating Flume			
10- 1	Fred Hervert	8.0	1.72	1.58	13.8
10- 9	do	8.0	1.75	1.62	14.0
11- 7	do	6.6	1.52	1.33	10.0
12- 2	do				.0
3-18	do				.0
4-21	do	2.5	.92	.50	2.3
5- 7	do	6.0	1.55	1.19	9.3
5-24	do	8.8	1.65	1.75	14.2
6- 3	do				.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		HOOPER CANAL—Concluded			
7-29	Ivan W. Bauer	7.7	1.65	1.63	12.7
8- 5	do	7.2	1.61	1.47	11.6
8-11	do	9.1	1.72	1.93	15.6
8-20	do	8.6	1.64	1.76	14.1
8-26	Bauer-Hansen	7.7	1.59	1.61	12.3
9- 3	J. P. Hansen	9.5	1.67	1.90	15.9
9-10	do	8.0	1.18	1.62	9.4
9-17	do	3.6	.69	.58	2.5
9-26	do	7.0	.36	1.38	2.5
		HOOVER CANAL—D-353			
		Diverted from Lodgepole Creek—Sec. 12-14-59 W.			
		Measurements Made at Headgate			
10-23	K. S. Essex				0.0
11-26	do				.0
4-16	do				.0
9- 4	Essex-Hanna				1.0
		HOWARD CANAL—D-336, A-1645			
		Diverted from Lodgepole Creek—Sec. 31-14-47 W.			
		Measurements Made at Headgate			
12-17	K. S. Essex				0.0
		HUGHES CANAL—D-987a, D-987b			
		Diverted from Niobrara River—Sec. 1-28-52 W.			
		Measurements Made at Headgate			
11- 6	K. S. Essex				0.0
12- 3	do				.0
12-30	do				.0
2- 2	do				.0
4- 1	do				.0
4-24	do				.0
5-26	do	4.8	0.33		1.6
		HURLEY-LILLY-POLLY CANAL—D-354			
		Diverted from Lodgepole Creek—Sec. 26-15-56 W.			
		Measurements Made at Rating Flume			
10-22	K. S. Essex				0.0
11-26	do	5.4	0.65	0.75	3.6
12-16	do				.0
3-18	do				.0
4-16	do				.0
5- 1	do				.0
6-19	do				.0
9- 5	Essex-Hanna	2.5	.78	.46	2.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		INDEPENDENT CANAL—D-343			
		Diverted from Lodgepole Creek—Sec. 7-14-58 W.			
		Measurements Made at Headgate			
10-23	K. S. Essex	.....	.....	.....	0.0
11-26	do	.....	.....	.....	.0
4-16	do	.....	.....	.....	.0
9- 4	Essex-Hanna	.....	.....	.....	.0
		INMAN CANAL—D-79, A-436			
		Diverted from Frenchman River—Sec. 17-6-40 W.			
		Measurements Made at Rating Flume			
11- 9	K. S. Essex	.....	.....	.....	0.0
1-18	do	.....	.....	.....	.0
2-10	do	.....	.....	.....	.0
4-11	do	.....	.....	.....	.0
5-12	do	.....	.....	.....	.0
		JANSSEN CANAL—A-2231			
		Diverted from Pawnee Creek—Sec. 20-13-27 W.			
		Measurements Made at Headgate			
9-17	Melvin Kleen	.....	.....	.....	0.0
		JENKINS CANAL—A-924			
		Diverted from Buffalo Creek—Sec. 18-1-40 W.			
		Measurements Made at Headgate			
6- 5	Essex-Gerlach	.....	.....	.....	0.0
		JOHNSON CANAL—D-511			
		Diverted from Niobrara River—Sec. 36-31-57 W.			
		Measurements Made at Headgate			
12- 1	K. S. Essex	5.3	0.43	.....	2.3
4-28	do	1.1	1.00	.....	1.1
		JOHNSON CANAL—A-612			
		Diverted from Lodgepole Creek—Sec. 23-13-45 W.			
		Measurements Made at Headgate			
10-25	K. S. Essex	.....	.....	.....	0.0
11-27	do	.....	.....	.....	.0
12-17	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
4-17	do	3.8	1.45	.....	5.5
5-15	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		JONES CANAL—A-3392			
		Diverted from Lodgepole Creek—Sec. 36-14-49 W.			
		Measurements Made below Headgate			
10-25	K. S. Essex	.....	.....	.....	0.0
11-26	do	.....	.....	.....	.5
12-17	do	.....	.....	.....	.5
2-20	do	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-21	do	.....	.....	.....	.0
		KEARNEY CANAL—D-1023, A-1577			
		Diverted from Platte River and Sutherland Reservoir—Sec. 3-8-18 W.			
		Measurements Made at Rating Flume North of Odessa—Sec. 33-9-17 W.			
10- 5	Fred Hervert	.....	.....	.....	0.0
10-12	do	10.4	.79	2.30	8.2
10-23	do	.....	.....	.....	.0
10-30	do	.....	.....	2.12	1.0
11-19	do	112.4	.91	4.64	101.9
12- 6	do	157.8	2.02	5.64	320.4
12-19	do	161.7	1.60	6.06	257.7
1- 8	do	112.0	1.49	5.32	166.8
1-23	do	82.8	1.06	4.80	87.8
2-22	do	70.8	1.12	3.94	79.5
3- 7	do	140.0	1.64	5.74	230.2
3-21	do	126.8	1.98	5.09	260.5
3-28	Hervert-Bauer	124.3	1.99	5.03	247.3
4-10	Ivan W. Bauer	129.2	1.87	4.94	241.8
4-17	do	169.8	2.09	5.89	355.0
4-25	do	145.6	1.98	5.43	288.9
5- 2	do	130.0	1.75	4.91	226.7
5-14	do	112.8	1.85	4.73	208.7
6-11	do	154.8	2.03	5.56	314.5
6-20	do	19.6	1.22	2.60	23.6
6-30	do	26.6	1.08	2.69	28.9
7-14	Bauer-Kleen	131.2	1.94	5.09	254.6
7-21	do	37.6	1.29	2.88	48.6
8- 4	Melvin Kleen	10.7	.86	2.26	9.2
8- 9	do	33.9	1.37	2.88	46.6
8-16	do	25.4	1.13	2.62	28.6
8-23	do	25.6	1.12	2.64	28.8
8-30	do	37.0	1.26	2.92	46.7
9- 5	do	45.4	1.35	3.15	61.2
9-11	do	34.0	1.11	2.84	37.9
9-20	do	17.6	1.07	2.49	18.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		KEARNEY POWER RETURN			
		Sec. 12-8-16 W.			
11-19	Fred Hervert	.....	.....	.....	0.0
12- 7	do	107.2	3.05	2.05	327.1
1- 3	do	54.6	2.10	.73	111.6
1-23	do	36.1	2.80	.69	103.4
2-22	do	29.0	1.34	.20	38.9
3- 7	do	69.2	2.88	1.33	199.0
3-27	Hervert-Bauer	78.2	2.95	1.60	231.7
4-10	Ivan W. Bauer	76.4	2.84	1.45	216.8
4-17	do	96.8	3.79	2.26	367.0
4-25	do	71.0	2.63	1.26	186.7
5- 2	do	67.4	3.08	1.44	207.7
5-14	do	64.4	3.20	1.19	206.5
5-21	do	79.3	4.00	1.96	317.0
6- 5	do	67.3	3.63	1.52	244.6
6-11	do	68.6	3.95	1.72	270.9
6-20	do	.....	.....	.....	.0
7-14	Bauer-Kleen	63.9	3.57	1.31	228.3
8-23	Melvin Kleen	.....	.....	-.63	.2
		KEITH-LINCOLN COUNTY CANAL—D-722			
		Diverted from North Platte River—Sec. 18-14-36 W.			
		Measurements Made at Rating Flume			
10- 2	Fred Hervert	28.4	1.09	0.76	31.0
10-13	do	28.2	1.81	.89	50.8
11- 8	do	36.2	1.35	1.00	49.8
5- 8	Ivan W. Bauer	33.4	.64	.38	21.4
5-17	do	40.1	.73	.45	29.4
5-27	do	30.2	1.09	.49	32.8
6- 7	do	9.1	.92	.26	8.4
6-16	do	51.4	1.40	.84	71.9
6-24	do	65.0	1.46	1.12	94.9
7- 8	Bauer-Kleen	70.6	1.40	1.17	98.6
7-19	do	16.0	.98	.34	15.6
7-25	Melvin Kleen	52.4	1.82	.97	95.2
8- 6	Ivan W. Bauer	23.4	1.18	.45	27.6
8-12	do	24.6	1.20	.48	29.4
8-27	Bauer-Hansen	48.4	1.62	.78	78.4
9- 5	J. P. Hansen	60.6	1.53	1.03	92.6
9-12	do	41.6	1.28	.62	53.2
9-18	do	56.2	1.34	.82	75.3
9-24	do	39.4	1.31	.58	51.8
		KEITH-LINCOLN COUNTY CANAL SPILL			
		Sec. 23-14-34 W.			
10- 2	Fred Hervert	.....	.....	0.18	0.3
11- 8	do	5.0	1.40	.47	7.1

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	KEITH-LINCOLN COUNTY CANAL SPILL—Concluded				
5-17	Ivan W. Bauer	8.4	1.54	0.60	12.9
5-27	do	7.4	1.03	.45	7.6
6- 7	do	—	—	—	.0
6-16	do	9.9	2.38	.85	23.5
6-24	do	7.8	1.05	.48	8.2
7- 8	Bauer-Kleen	8.4	4.61	1.10	38.7
7-19	do	—	—	.22	.5
8-27	Bauer-Hansen	2.6	1.63	.42	4.2
9- 5	J. P. Hansen	4.0	2.65	.56	10.6
9-12	do	—	—	.18	.0
9-19	do	7.2	4.15	.84	29.9
9-24	do	5.6	2.87	.73	16.1
	KELSO CANAL—A-2151, A-2279, A-2328, A-2456				
	Diverted from Big Bordeaux Creek—Sec. 14-33-48 W.				
	Measurements Made at Pump Site				
11- 1	K. S. Essex	—	—	—	0.0
12- 2	do	—	—	—	.0
2- 1	do	—	—	—	.0
3- 1	do	—	—	—	.0
4-23	do	—	—	—	.0
5-25	do	—	—	—	.0
9-13	do	—	—	—	.0
	KENT-BURKE CANAL—A-1694				
	Diverted from Pawnee Creek—Sec. 18-13-27 W.				
	Measurements Made at Rating Flume				
10- 4	Fred Hervert	—	—	—	0.0
4- 5	Ivan W. Bauer	—	—	—	.0
4-21	do	—	—	—	.0
5- 3	do	3.4	1.24	0.57	4.2
5- 6	do	1.8	1.11	.38	2.0
5-15	do	—	—	—	.2
5-24	do	1.5	.87	.35	1.3
7-11	Bauer-Kleen	.5	.80	.14	.4
9-12	Melvin Kleen	2.0	.50	.60	1.0
9-17	do	3.4	.53	.82	1.8
	KEYSTONE CANAL—D-730, A-662b, A-843, A-1003				
	Diverted from White Tail Creek—Sec. 26-15-38 W.				
	Measurements Made at Headgate				
10- 2	Fred Hervert	—	—	—	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	KIMBALL CANAL, NORTH—A-897				
	Diverted from Lodgepole Creek and Oliver Reservoir, A-897—Sec. 36-15-57 W.				
	Measurements Made below Headgate				
10-23	K. S. Essex	.....	.....	.....	0.0
6-19	Essex-Hanna	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
	KIMBALL CANAL, SOUTH—A-897				
	Diverted from Lodgepole Creek and Oliver Reservoir, A-897—Sec. 36-15-57 W.				
	Measurements Made at Headgate				
10-23	K. S. Essex	.....	.....	.....	0.0
6-19	Essex-Hanna	.....	.....	.....	.0
9- 5	do	3.5	1.20	0.70	4.2
	KING CANAL, EAST—A-1440, A-1587				
	Diverted from Lawrence Fork—Sec. 15-18-52 W.				
	Measurements Made at Headgate				
10-26	K. S. Essex	1.5	1.07	.....	1.6
6-23	do	.....	.....	.....	.0
	KING CANAL, WEST—A-1440				
	Diverted from Lawrence Fork—Sec. 15-18-52 W.				
	Measurements Made at Headgate				
10-26	K. S. Essex	.....	.....	.....	0.0
6-23	do	.....	.....	.....	.0
	KINNEY CANAL, NORTH—D-348, A-718				
	Diverted from Lodgepole Creek—Sec. 33-15-56 W.				
	Measurements Made at Headgate				
10-23	K. S. Essex	.....	.....	.....	0.0
11-26	do	.....	.....	.....	.0
12-16	do	.....	.....	.....	.0
3-18	do	.....	.....	.....	.0
4-16	do	.....	.....	.....	.0
5- 1	do	.....	.....	.....	.0
6-18	do	2.8	0.43	0.86	1.2
9- 5	Essex-Hanna	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KINNEY CANAL, SOUTH—D-345, D-350, A-718R, A-1828					
Diverted from Lodgepole Creek—Sec. 31-15-56 W.					
Measurements Made at Headgate					
10-23	K. S. Essex	.....	.....	.....	0.0
11-26	do	0.8	2.25	0.18	1.8
12-16	do	.....	.....	.....	.5
3-18	do	.....	.....	.....	.0
4-16	do	.....	.....	.....	.0
5- 1	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
9- 5	Essex-Hanna	1.4	.90	.36	1.3
KRUEGER CANAL NO. 1—D-325, D-968					
Diverted from Lodgepole Creek—Sec. 29-14-48 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	4.1	0.78	.....	3.2
11-27	do	.....	.....	.....	.0
12-17	do	.....	.....	.....	.0
2-21	A. W. Hall	2.1	1.05	.....	2.2
3-19	K. S. Essex	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
6-21	do	.....	.....	.....	.0
KRUEGER CANAL NO. 2—D-324					
Diverted from Lodgepole Creek—Sec. 32-14-48 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-27	do	4.8	0.46	.....	2.2
12-17	do	.....	.....	.....	3.0
2-21	A. W. Hall	3.5	.66	.....	2.3
3-19	K. S. Essex	.....	.....	.....	.0
4-15	do	4.6	1.65	.....	7.6
6-21	do	.....	.....	.....	.0
KRUEGER CANAL NO. 3—D-323					
Diverted from Lodgepole Creek—Sec. 32-14-48 W.					
Measurements Made at Headgate					
10-25	K. S. Essex	.....	.....	.....	0.0
11-27	do	5.2	0.45	.....	2.3
12-17	do	.....	.....	.....	3.0
2-21	A. W. Hall	.....	.....	.....	.0
3-19	K. S. Essex	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
6-21	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		LaBELLE CANAL—D-518, A-60			
		Diverted from Niobrara River—Sec. 6-28-54 W.			
		Measurements Made at Headgate			
11- 4	K. S. Essex	----	----	----	0.0
12- 1	do	----	----	----	.0
4-24	do	----	----	----	.0
5-26	do	2.4	1.88	----	4.5
		LAING CANAL—D-825			
		Diverted from Lawrence Fork—Sec. 28-18-52 W.			
		Measurements Made at Headgate			
10-26	K. S. Essex	1.4	1.00	----	1.4
6-23	do	----	----	----	.0
		LAKOTAH CANAL—D-554			
		Diverted from Niobrara River—Sec. 1-30-57 W.			
		Measurements Made at Headgate			
12- 1	K. S. Essex	----	----	----	0.5
4-28	do	7.2	1.38	----	9.9
		LAST CHANCE CANAL—D-883			
		Diverted from Pumpkinseed Creek—Sec. 27-19-50 W.			
		Measurements Made at Rating Flume			
10- 7	Fred Hervert	----	----	----	0.0
10-26	K. S. Essex	----	----	----	.0
2- 6	do	----	----	----	.0
4- 8	Fred Hervert	4.8	1.71	0.76	8.2
4-14	do	----	----	----	.0
5-26	do	5.4	1.46	.91	7.9
6-24	K. S. Essex	----	----	----	.0
7- 7	do	----	----	----	.0
8- 6	do	6.0	1.27	.95	7.6
8-23	Ivan W. Bauer	----	----	----	.0
8-26	K. S. Essex	5.4	.87	.92	4.7
8-30	J. P. Hansen	5.4	.87	.92	4.7
9- 8	do	1.4	1.64	.22	2.3
9-15	do	6.0	1.37	.97	8.2
9-22	do	2.4	1.25	.39	3.0
9-29	do	5.4	1.33	.93	7.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		LIBBY CANAL—D-312			
		Diverted from Lodgepole Creek—Sec. 36-14-47 W.			
		Measurements Made at Headgate			
10-25	K. S. Essex	2.6	1.42	----	3.7
11-27	do	----	----	----	.0
12-17	do	----	----	----	.0
3-19	do	2.0	1.14	----	2.3
4-17	do	----	----	----	.0
6-21	do	----	----	----	.0
		LIBBY CANAL—D-314			
		Diverted from Lodgepole Creek—Sec. 36-14-47 W.			
		Measurements Made at Headgate			
4-17	K. S. Essex	----	----	----	0.0
6-21	do	----	----	----	.0
		LICHTE CANAL—D-479, A-1086, A-1088, A-2523			
		Diverted from Niobrara River—Sec. 27-29-48 W.			
		Measurements Made at Headgate			
11- 2	K. S. Essex	9.5	0.86	0.75	8.2
11-29	do	----	----	----	.0
12-30	do	----	----	----	.0
2- 2	do	----	----	----	.0
2-25	do	----	----	----	.0
3-25	do	----	----	----	.0
4-21	do	----	----	----	.0
5-23	do	10.4	1.06	.87	11.0
8-29	do	7.0	1.17	.96	8.2
9-16	do	7.8	.82	----	6.4
		LISCO CANAL—D-787, D-856, A-243, A-991			
		Diverted from North Platte River—Sec. 14-18-47 W.			
		Measurements Made at 40-foot Weir—Sec. 24-18-47 W.			
2- 1	Fred Hervert	----	----	----	0.0
		LOGAN CANAL—D-902			
		Diverted from Pumpkinseed Creek—Sec. 7-19-55 W.			
		Measurements Made at Headgate			
3- 8	K. S. Essex	----	----	----	0.0
4-30	do	----	----	----	.0
8- 4	Ivan W. Bauer	----	----	----	.0
9-13	do	----	----	----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	LUNDY, DORIS, POWER CANAL—D-1024, A-1224				
	Diverted from Middle Loup River—Sec. 4-19-19 W.				
	Measurements Made below Spillway				
10-10	Charles H. Carstens	198.0	1.85	.....	367.0
	LYNGHOLM CANAL—D-337				
	Diverted from Lodgepole Creek—Sec. 14-14-51 W.				
	Measurements Made at Headgate				
10-24	K. S. Essex	.....	.....	.....	0.0
11-25	do	.....	.....	.....	.0
2-20	do	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
	LYONS CANAL—D-803				
	Diverted from North Platte River—Sec. 30-17-44 W.				
	Measurements Made at Rating Flume				
10- 8	Fred Hervert	8.8	1.18	1.08	10.4
11- 6	do	9.6	.89	1.18	8.5
3-17	do	.....	.....	.....	.0
4- 7	do	.....	.....	.....	.0
5- 7	do	1.0	.40	.....	.4
7-15	K. S. Essex	9.0	1.40	1.10	12.6
8-25	Bauer-Hansen	13.3	1.45	1.53	19.2
9- 3	J. P. Hansen	9.6	1.16	1.20	11.1
9- 9	do	10.4	1.07	1.28	11.1
9-16	do	11.2	.66	1.38	7.4
9-26	do	.....	.....	.....	.0
	McAULIFFE CANAL—D-814				
	Diverted from Lodgepole Creek—Sec. 21-13-45 W.				
	Measurements Made at Headgate				
10-25	K. S. Essex	.....	.....	.....	0.0
11-27	do	.....	.....	.....	.0
12-17	do	.....	.....	.....	.0
4-17	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
	McAULIFFE CANAL—A-1559				
	Diverted from Lodgepole Creek—Sec. 21-13-45 W.				
	Measurements Made at Headgate				
11-27	K. S. Essex	.....	.....	.....	0.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		McAULIFFE CANAL—Concluded			
12-17	K. S. Essex	.....	.....	.....	0.0
3-19	do	.....	.....	.....	.0
4-17	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
		McCARTHY CANAL—D-749			
		Diverted from White Tail Creek—Sec. 36-15-38 W.			
		Measurements Made at Headgate			
10- 2	Fred Hervert	.....	.....	.....	0.0
4-29	Ivan W. Bauer	0.54	0.48	.....	.3
		McDONALD CANAL—A-644			
		Diverted from Republican River—Sec. 36-1-38 W.			
		Measurements Made at Headgate			
6- 5	Essex-Gerlach	.....	.....	.....	0.0
		McGINLEY-STOVER CANAL, NORTH—D-513a			
		Diverted from Niobrara River—Sec. 25-29-56 W.			
		Measurements Made at Headgate			
11- 5	K. S. Essex	10.4	0.78	.....	8.1
12- 1	do	.....	.....	.....	.0
2- 3	do	.....	.....	.....	.0
4-28	do	.....	.....	.....	.0
		McGINLEY-STOVER CANAL, SOUTH—D-513b			
		Diverted from Niobrara River—Sec. 25-29-56 W.			
		Measurements Made at Headgate			
11- 5	K. S. Essex	.....	.....	.....	0.0
12- 1	do	.....	.....	.....	.0
2- 3	do	.....	.....	.....	.0
4-28	do	.....	.....	.....	.0
		McGRAW CANAL—A-1945, A-2023			
		Diverted from Victoria Creek—Sec. 6-19-20 W.			
		Measurements Made at Headgate			
9-10	C. H. Carstens	15.7	0.30	.....	4.8
10-10	do	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		McINTOSH CANAL—D-351, A-734			
		Diverted from Lodgepole Creek—Sec. 23-15-55 W.			
		Measurements Made at Headgate			
10-24	K. S. Essex	2.4	1.21	0.85	2.9
11-25	do	----	----	----	.0
3-18	do	----	----	----	.0
4-16	do	----	----	----	.0
5- 1	do	3.0	1.67	.98	5.0
6-19	Essex-Hanna	----	----	----	.0
9- 5	do	3.0	.45	1.05	1.4
		McLAUGHLIN CANAL—D-966			
		Diverted from Lodgepole Creek—Sec. 25-14-48 W.			
		Measurements Made at Headgate			
10-25	K. S. Essex	----	----	----	0.0
11-27	do	----	----	----	.0
12-17	do	----	----	----	.0
4-17	do	----	----	----	.0
6-21	do	----	----	----	.0
		McLAUGHLIN CANAL—D-566			
		Diverted from Niobrara River—Sec. 9-28-52 W.			
		Measurements Made at Headgate			
11- 6	K. S. Essex	8.5	0.88	1.42	7.5
12- 3	do	----	----	----	.5
12-30	do	----	----	----	.0
2- 2	do	----	----	----	.0
4- 1	do	----	----	----	.0
4-24	do	----	----	----	.0
5-26	do	4.0	.78	.65	3.1
		McMILLAN CANAL—A-2477R, A-2797			
		Diverted from Middle Loup River—Sec. 23-21-22 W.			
		Measurements Made One Mile below Headgate			
6- 3	Carstens-McMillan	16.0	1.12	----	18.0
7-23	C. H. Carstens	11.5	.54	----	6.2
8- 5	do	11.6	.49	----	5.7
9-10	do	15.7	.30	----	4.8
		MARANVILLE CANAL—D-70, D-71			
		Diverted from Frenchman River—Sec. 12-6-41 W.			
		Measurements Made at Headgate			
11- 9	K. S. Essex	----	----	----	0.0
1-18	do	----	----	----	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		MARANVILLE CANAL—Concluded			
2-10	K. S. Essex	.....	.....	.....	0.0
3-10	do	.....	.....	.....	.0
4-11	do	.....	.....	.....	.0
5-12	do	.....	.....	.....	.0
		MARTENS PUMP—A-2801			
		Diverted from Big Bordeaux Creek—Sec. 16-34-48 W.			
4-23	K. S. Essex	.....	.....	.....	0.0
		MEEKER CANAL—D-4, D-7, D-8, D-9			
		Diverted from Republican River—Sec. 15-3-31 W.			
		Measurements Made at Headgate			
11-14	K. S. Essex	.....	.....	.....	0.0
12-11	do	.....	.....	.....	.0
1-21	do	.....	.....	.....	.0
5- 8	Essex-Gerlach	.....	.....	.....	.0
6- 6	do	14.8	1.50	1.85	22.2
		MEGLEMRE CANAL—A-294, A-853			
		Diverted from Greenwood Creek—Sec. 3-18-50 W.			
		Measurements Made at Rating Flume			
10-26	K. S. Essex	1.5	1.13	.....	1.7
2- 6	do	3.0	1.07	.....	3.7
		MEREDITH-AMMER CANAL—D-876			
		Diverted from Pumpkinseed Creek—Sec. 23-19-50 W.			
		Measurements Made at Rating Flume			
10- 7	Fred Hervert	.....	.....	.....	0.0
10-26	K. S. Essex	.....	.....	.....	.0
2- 6	do	.....	.....	.....	.0
5- 3	do	.....	.....	.....	.0
5-19	do	5.9	2.17	0.98	12.8
5-26	Fred Hervert	6.1	2.25	1.04	13.7
6-24	K. S. Essex	4.1	1.98	.72	8.1
7- 7	do	.....	.....	.....	.0
7-11	do	4.7	2.00	.85	9.4
7-21	do	4.7	2.08	.86	9.8
8-23	Ivan W. Bauer	5.3	1.82	.88	9.6
8-30	J. P. Hansen	4.8	1.65	.83	7.9
9- 8	do	3.0	1.30	.48	3.9
9-15	do	1.2	1.00	.22	1.2
9-22	do	1.8	.78	.29	1.4
9-29	do	1.8	.83	.34	1.5

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		MERIDIAN CANAL—D-459, A-469			
		Diverted from Niobrara River—Sec. 25-29-50 W.			
		Measurements Made at Headgate			
11- 2	K. S. Essex	4.2	0.17	1.35	0.7
12- 3	do	.....	.....	.....	.0
12-30	do	.....	.....	.....	.0
2- 2	do	.....	.....	.....	.0
4- 1	do	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
5-26	do	5.7	1.93	1.82	11.0
9-16	do	5.4	1.30	.....	7.0
		METTLEN CANAL—A-292, A-1248, A-2244			
		Diverted from Niobrara River—Sec. 4-28-54 W.			
		Measurements Made at Headgate			
11- 6	K. S. Essex	2.3	2.13	.....	4.9
12- 1	do	.....	.....	.....	.0
4-24	do	1.9	2.63	.....	5.0
5-26	do	3.6	.86	.....	3.1
		MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 1—A-2293, A-2678			
		Diverted from Middle Loup River—Sec. 10-19-18 W.			
		Measurements Made at Rating Flume—Sec. 14-19-18 W.			
6- 3	G. O. Travis	8.4	0.67	1.50	5.7
6-10	do	12.3	1.33	2.14	16.3
6-17	do	13.7	1.81	2.41	24.8
6-24	do	13.7	1.91	2.41	26.1
7- 1	do	12.0	1.73	2.10	20.6
7- 8	do	13.4	2.24	2.34	30.0
7-15	do	12.5	2.10	2.22	26.3
7-22	do	14.8	2.34	2.60	34.6
7-25	C. H. Carstens	14.8	2.22	2.61	32.9
7-29	G. O. Travis	14.8	2.25	2.62	33.3
7-30	C. H. Carstens	15.7	2.29	2.75	36.0
8- 5	G. O. Travis	15.0	2.13	2.64	32.0
8- 6	C. H. Carstens	14.6	2.12	2.55	30.8
8-12	G. O. Travis	14.2	2.14	2.50	30.5
8-15	C. H. Carstens	14.4	2.07	2.53	29.9
8-19	G. O. Travis	13.6	2.11	2.44	28.8
8-22	C. H. Carstens	15.7	2.25	2.75	35.4
8-26	G. O. Travis	13.1	2.16	2.29	28.3
8-28	Hanks-Carstens	13.2	1.98	2.32	26.1
9- 2	G. O. Travis	13.1	2.18	2.31	28.5
9- 9	do	11.4	1.70	2.01	19.4
9-11	C. H. Carstens	11.2	1.47	1.97	16.5
9-16	G. O. Travis	11.4	1.60	2.01	18.2
9-23	do	11.4	1.53	2.02	17.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 2—A-2293, A-2678					
Diverted from Middle Loup River—Sec. 10-19-18 W.					
Measurements Made at Rating Flume—Sec. 14-19-18 W.					
6- 3	G. O. Travis	15.1	0.79	1.80	12.0
6-10	do	16.8	1.12	2.00	18.9
6-17	do	16.9	1.05	1.96	17.9
6-24	do	16.3	1.02	1.90	16.8
7- 1	do	18.0	1.12	2.00	20.3
7- 8	do	19.3	1.34	2.11	26.0
7-15	do	19.0	1.11	2.03	21.1
7-22	do	24.2	1.91	2.55	46.3
7-25	C. H. Carstens	26.2	2.14	2.79	57.0
7-29	G. O. Travis	27.5	2.40	2.92	66.4
7-30	C. H. Carstens	29.0	2.48	3.04	72.0
8- 5	G. O. Travis	25.6	2.31	2.72	59.2
8- 6	C. H. Carstens	25.6	2.25	2.69	57.7
8-12	G. O. Travis	23.7	2.18	2.50	51.9
8-15	C. H. Carstens	23.8	2.17	2.50	51.6
8-19	G. O. Travis	24.2	2.31	2.55	55.9
8-22	C. H. Carstens	22.6	2.11	2.38	47.6
8-26	G. O. Travis	17.8	1.46	1.94	25.9
8-29	Hanks-Carstens	18.0	1.30	1.93	23.4
9- 2	G. O. Travis	18.0	1.46	1.96	26.3
9- 9	do	15.4	1.04	1.68	16.0
9-11	C. H. Carstens	15.0	.89	1.61	13.4
9-16	G. O. Travis	14.8	1.03	1.62	15.6
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 3—A-2293, A-2678					
Diverted from Middle Loup River—Sec. 1-17-17 W.					
Measurements Made at Rating Flume—Sec. 6-17-16 W.					
5-21	G. O. Travis	21.4	1.10	2.21	23.5
6- 3	do	25.5	1.11	2.34	28.2
6-10	do	26.2	1.52	2.44	39.6
6-17	do	23.1	1.29	2.36	29.8
6-24	do	25.2	1.56	2.44	39.2
7- 1	do	26.6	1.57	2.48	41.7
7- 8	do	26.8	1.41	2.52	37.9
7-15	do	33.6	1.45	2.75	48.8
7-22	do	35.4	1.67	2.90	59.1
7-25	C. H. Carstens	47.7	2.08	3.30	99.3
7-29	G. O. Travis	51.0	2.08	3.40	105.8
7-30	C. H. Carstens	50.9	2.08	3.42	106.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 3—Concluded					
8- 5	G. O. Travis	50.1	1.98	3.35	99.3
8- 6	C. H. Carstens	49.8	1.92	3.32	95.7
8-12	G. O. Travis	51.6	1.96	3.41	101.4
8-15	C. H. Carstens	49.8	1.86	3.28	92.4
8-19	G. O. Travis	50.1	1.85	3.32	92.9
8-22	C. H. Carstens	42.6	1.44	2.87	61.2
8-26	G. O. Travis	39.6	1.43	2.83	56.5
8-27	Hanks-Carstens	41.1	1.29	2.78	53.1
9- 2	G. O. Travis	37.6	1.41	2.74	53.2
9- 9	do	35.8	1.06	2.50	37.8
9-11	C. H. Carstens	31.2	.74	2.28	23.1
9-16	G. O. Travis	29.2	.63	2.14	18.3
9-23	do	31.5	.73	2.30	23.1
9-30	do	30.2	.72	2.21	21.7
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 4—A-2293, A-2678					
Diverted from Middle Loup River—Sec. 36-18-17 W.					
Measurements Made at Rating Flume—Sec. 31-18-16 W.					
5-26	G. O. Travis	20.2	1.44	1.79	29.2
6- 3	do	24.7	1.37	1.98	33.8
6-10	do	21.6	1.26	1.78	27.0
6-17	do	20.5	1.20	1.78	26.2
6-24	do	21.8	1.32	1.88	28.5
7- 1	do	24.6	1.36	2.08	33.2
7- 8	do	27.4	1.58	2.23	43.0
7-15	do	31.9	1.60	2.46	50.9
7-22	do	45.7	1.92	3.46	87.8
7-25	C. H. Carstens	49.9	1.91	3.75	95.1
7-29	G. O. Travis	49.7	1.97	3.75	97.6
7-30	C. H. Carstens	51.9	1.96	3.91	102.0
8- 5	G. O. Travis	49.6	1.92	3.74	95.2
8- 6	C. H. Carstens	50.4	1.95	3.79	98.2
8-12	G. O. Travis	50.5	2.00	3.83	101.1
8-15	C. H. Carstens	50.7	1.94	3.82	98.5
8-19	G. O. Travis	53.2	2.00	4.02	106.0
8-22	C. H. Carstens	36.6	1.62	2.79	59.2
8-26	G. O. Travis	36.5	1.62	2.83	59.3
8-27	Hanks-Carstens	35.4	1.50	2.71	53.0
9- 2	G. O. Travis	31.5	1.42	2.47	45.0
9- 9	do	25.8	.97	2.06	24.9
9-11	C. H. Carstens	23.7	.78	1.92	18.5
9-16	G. O. Travis	25.8	1.01	2.08	26.1
9-23	do	26.7	1.08	2.18	28.6
9-30	do	21.6	.79	1.83	17.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM CANAL NO. 1					
Returned to Middle Loup River via Spring Creek					
Measurements Made at Rating Flume—Sec. 27-18-17 W.					
7- 8	G. O. Travis	6.1	1.31	0.57	8.0
7-15	do	5.9	1.30	.55	7.7
MIDLAND-OVERLAND CANAL—D-789, D-791, D-800R					
Diverted from North Platte River—Sec. 2-16-44 W.					
Measurements Made at Rating Flume					
10- 9	Fred Hervert	13.2	0.90	2.08	11.9
11- 7	do	12.5	.49	2.02	6.1
12- 3	do	.....	.....	.35	.2
1-20	do	15.4	.95	2.13	14.6
4- 7	do	.....	.....	.....	.0
5- 7	do	.....	.....	1.11	.4
5-24	do	10.4	1.03	1.72	10.7
6- 3	do	12.9	.98	1.95	12.7
6-14	Ivan W. Bauer	.....	.....	.45	.2
7-24	K. S. Essex	5.1	.92	.....	4.7
7-28	Ivan W. Bauer	6.6	1.17	1.30	7.7
8-26	do	10.2	1.00	1.68	10.2
9- 3	J. P. Hansen	7.2	1.00	1.40	7.1
9-10	do	9.2	.82	1.50	7.5
9-17	do	9.3	.96	1.73	8.9
9-26	do	11.3	.92	1.83	10.4
9-30	do	7.0	.80	1.40	5.6
MINATARE CANAL—D-919					
Diverted from North Platte River—Sec. 32-22-54 W.					
Measurements Made at Rating Flume					
5- 8	Fred Hervert	23.4	1.67	0.58	39.2
5-16	do	45.0	1.76	.97	79.1
5-30	do	49.2	1.74	1.10	85.7
7- 3	K. S. Essex	42.5	1.51	.80	64.1
7-22	do	57.3	1.27	1.11	72.9
8-21	Ivan W. Bauer	23.3	2.51	1.10	58.6
9- 5	do	22.5	2.62	1.15	59.0
9-17	do	26.0	2.13	1.10	55.4
MINATARE CANAL SPILL					
Near McGrew—Sec. 21-21-53 W.					
5-13	Fred Hervert	.....	.....	.....	0.4
5-21	do	.....	.....	0.02	.1
5-29	do	.....	.....	.12	2.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		MINATARE CANAL SPILL—Concluded			
7- 3	K. S. Essex	2.8	8.71	0.70	24.4
8-28	Ivan W. Bauer	3.6	5.83	.87	21.0
9- 8	do	3.6	5.39	.81	19.4
9-15	do	4.0	6.30	.95	25.2
		MITCHELL CANAL—D-1052			
		Diverted from North Platte River—Sec. 10-23-60 W., Wyoming			
		Measurements Made at Rating Flume			
10-11	John A. Whiting, Jr.	.....	.....	1.01	62.6
11- 8	Charles H. Carstens	73.3	2.05	1.92	150.0
11-25	do	29.7	1.61	.83	47.8
4- 1	John A. Whiting, Jr.	.....	.....	1.49	103.6
4- 5	Fred Hervert	33.6	1.62	.....	54.6
4-17	do	21.0	1.39	.67	29.2
5- 1	do	41.2	1.75	1.14	72.1
5-13	John A. Whiting, Jr.	.....	.....	2.36	183.0
5-22	Fred Hervert	95.0	2.15	2.46	204.2
5-30	do	90.6	2.21	2.37	200.9
6- 6	do	90.6	2.19	2.35	198.0
6-14	John A. Whiting, Jr.	.....	.....	.78	35.7
6-17	Fred Hervert	22.4	1.62	.74	36.2
6-24	John A. Whiting, Jr.	.....	.....	1.82	129.2
7- 1	do	.....	.....	2.49	196.0
7- 8	do	.....	.....	2.45	191.2
7-15	do	.....	.....	1.80	135.6
7-25	Essex-Bauer	74.6	2.06	1.93	154.4
8-16	Ivan W. Bauer	93.7	2.10	2.41	197.0
8-19	John A. Whiting, Jr.	.....	.....	2.36	192.9
9- 2	do	.....	.....	2.31	188.4
9-10	do	5.0	1.21	.....	6.1
9-16	Whiting-McDermott	42.2	1.87	1.19	78.9
9-19	Ivan W. Bauer	43.1	1.89	1.20	81.4
9-26	do	45.0	2.04	1.36	92.0
9-30	John A. Whiting, Jr.	37.2	1.87	1.13	69.7
		MITCHELL FACTORY CANAL—A-1582			
		Diverted from Dry Spotted Tail Creek—Sec. 20-23-56 W.			
		Measurements Made at Sec. 21-23-56 W.			
5-31	Fred Hervert	10.3	1.04	.....	10.7
9- 9	Ivan W. Bauer	6.2	.74	.....	4.6
		MITCHELL FACTORY CANAL SPILL			
		Mitchell—Sec. 28-23-56 W.			
10-15	H. P. Eisenhuth	5.6	1.64	.....	9.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		MITCHELL CANAL—D-304			
		Diverted from Lodgepole Creek—Sec. 8-14-51 W.			
		Measurements Made 100 Feet below Headgate			
2-20	K. S. Essex	----	.....	----	0.0
3-18	do	.....	.....	.....	.0
		MONROE CANAL, BIG—D-506, A-2372			
		Diverted from Monroe Creek—Sec. 33-33-56 W.			
		Measurements Made at Headgate			
11- 4	Essex-Rasmussen	0.3	1.33	.....	0.4
5-24	do	1.1	1.09	.....	1.2
9-17	K. S. Essex	.....	.....	.....	.8
		MONTAGUE CANAL—A-575			
		Diverted from Niobrara River—Sec. 27-29-48 W.			
		Measurements Made at Headgate			
11- 2	K. S. Essex	.....	.....	.....	0.0
11-29	do	.....	----	----	.0
12-30	do	.....	----	.....	0
2- 2	do	.....	----	----	.0
2-25	do	.....	----	.....	.0
3-25	do	----	----	.....	.0
4-21	do	----	----	----	.0
5-23	do	----	----	.....	.5
8-29	do	----	----	.....	.0
9-16	do	.....	----	.....	.0
		MONTGOMERY CANAL—D-559			
		Diverted from Sow Belly Creek—Sec. 21-33-55 W.			
		Measurements Made at Headgate			
9-17	K. S. Essex	----	----	.....	0.0
		MOORE CANAL—A-88			
		Diverted from Niobrara River—Sec. 9-28-53 W.			
		Measurements Made at Headgate			
11- 6	K. S. Essex	.....	.....	.....	0.0
12- 3	do	----	----	.....	.0
12-30	do	.....	----	----	.0
2- 2	do	.....	.....	.....	.0
4- 1	do	----	----	.....	.0
4-24	do	----	.....	.....	.0
5-26	do	4.6	1.17	1.40	5.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		MUTUAL CANAL—D-843			
		Diverted from Pumpkinseed Creek—Sec. 33-19-52 W.			
		Measurements Made at Rating Flume			
10- 7	Fred Hervert	2.0	0.50	0.31	1.0
5- 3	K. S. Essex	.....	.....	.....	.0
5-19	do	3.0	.67	.45	2.0
6-23	do	.8	.88	.30	.7
7-21	do	3.6	.47	.61	1.7
8-23	Ivan W. Bauer	5.3	.65	.85	3.4
9- 8	J. P. Hansen	6.8	.43	.91	2.9
9-15	do	7.0	.39	.94	2.7
9-22	do	7.8	.31	1.00	2.4
9-29	do	6.5	.17	.90	1.1
		MYERS CANAL—A-1843			
		Diverted from Victoria Creek—Sec. 1-19-21 W.			
		Measurements Made at Headgate			
10-10	Charles H. Carstens	.....	.....	.....	0.0
9-10	do	.....	.....	.....	.0
		NASLUND CANAL—A-661			
		Diverted from Lodgepole Creek—Sec. 1-12-45 W.			
		Measurements Made at Headgate			
11-27	K. S. Essex	.....	.....	.....	0.5
3-19	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
6-20	do	6.4	1.52	.....	9.7
		NELSON CANAL—D-845			
		Diverted from Greenwood Creek—Sec. 33-18-50 W.			
		Measurements Made at Headgate			
10-26	K. S. Essex	.....	.....	.....	0.0
2- 6	do	.....	.....	.....	.0
		NEUMAN CANALS, NO. 1 AND NO. 2—A-565			
		Diverted from Lodgepole Creek—Sec. 36-13-45 W.			
		Measurements Made at Headgate			
10-25	K. S. Essex	5.6	0.98	.....	5.5
4-17	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		NEUMAN CANAL—A-611, A-1445			
		Diverted from Lodgepole Creek—Sec. 26-13-45 W.			
		Measurements Made at Headgate			
10-25	K. S. Essex	.....	.....	.....	0.5
11-27	do	.....	.....	.....	.0
12-17	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
4-17	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
6-20	do	6.8	0.69	.....	4.7
		NEWTON CANAL—A-2263, A-2863, A-2927			
		Diverted from North Loup River—Sec. 35-23-21 W.			
		Measurements Made below Spillway—Sec. 36-23-21 W.			
7- 9	Charles H. Carstens	13.4	1.28	1.87	17.1
7-23	do	20.1	1.13	2.25	22.8
		NEWTON CANAL—A-2263, A-2863, A-2927			
		Diverted from North Loup River—Sec. 35-23-21 W.			
		Measurements Made at North Line of Sec. 32-23-20 W.			
10-10	Charles H. Carstens	14.8	1.83	2.32	27.1
6- 3	do	13.2	1.31	1.94	17.3
8- 5	do	14.0	1.25	1.93	17.5
8-14	do	15.0	1.19	2.01	17.8
9- 4	do	15.0	1.08	2.00	16.2
9-10	do	11.5	1.03	1.79	11.8
9-30	do	5.8	1.09	1.32	6.3
		NIEHUS CANAL—A-550			
		Diverted from Lawrence Fork—Sec. 11-18-52 W.			
		Measurements Made at Headgate			
6-23	K. S. Essex	.....	.....	.....	0.0
		NINE MILE CANAL—D-925			
		Diverted from North Platte River—Sec. 13-21-54 W.			
		Measurements Made at Rating Flume—Sec. 16-21-53 W.			
10- 2	H. P. Eisenhuth	19.1	3.66	2.38	69.8
5-13	Fred Hervert	39.6	1.69	2.54	66.8
5-21	do	38.4	1.66	2.34	63.7
5-29	do	23.4	1.59	1.93	32.2
7- 3	K. S. Essex	19.2	3.03	2.42	58.1
7-22	do	24.0	3.06	2.70	73.4
8- 6	do	19.2	2.99	2.38	57.4
8-13	Ivan W. Bauer	19.2	2.81	2.37	54.0
8-28	do	15.8	2.71	2.15	42.8
9-15	do	13.8	2.88	2.20	39.8

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
NORMAN-BARRON CANAL—A-1953, A-2024					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements Made at Headgate					
12- 2	K. S. Essex	.....	.....	.....	0.0
3- 1	do	.....	.....	.....	.0
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT,					
TAYLOR-ORD CANAL—A-2312, A-2417					
Diverted from North Loup River—Sec. 13-21-19 W.					
Measurements Made at Rating Flume—Sec. 20-21-18 W.					
5-27	G. O. Travis	43.7	1.42	3.26	61.9
5-31	do	52.2	1.55	3.70	81.1
6- 7	do	57.7	1.76	3.88	101.7
6-14	do	51.3	1.52	3.52	78.2
6-21	do	52.0	1.54	3.60	80.3
6-28	do	52.9	1.67	3.60	88.2
7- 5	do	50.6	1.80	3.54	91.2
7- 9	C. H. Carstens	51.4	1.75	3.61	89.9
7-12	G. O. Travis	51.3	1.73	3.57	88.9
7-19	do	64.8	2.09	4.21	135.8
7-24	C. H. Carstens	64.7	2.07	4.25	133.7
7-26	G. O. Travis	69.3	2.53	4.48	175.8
7-30	C. H. Carstens	74.0	2.34	4.58	173.0
8- 2	G. O. Travis	74.3	2.43	4.57	180.3
8- 5	C. H. Carstens	75.8	2.26	4.59	171.1
8- 9	G. O. Travis	76.0	2.35	4.60	178.8
8-14	C. H. Carstens	69.1	2.11	4.19	146.0
8-16	G. O. Travis	68.4	2.12	4.17	145.3
8-21	C. H. Carstens	62.2	2.04	4.01	126.6
8-23	G. O. Travis	63.6	2.07	4.00	131.6
8-28	Hanks-Carstens	63.5	1.91	3.98	121.0
8-30	G. O. Travis	64.3	2.10	4.04	135.2
9- 6	do	60.3	1.85	3.96	111.4
9-11	C. H. Carstens	55.2	1.51	3.67	83.3
9-13	G. O. Travis	55.3	1.79	3.72	98.8
9-20	do	45.3	1.37	3.22	62.1
9-27	do	45.8	1.41	3.29	64.4
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT,					
BURWELL-SUMTER CANAL—A-2312					
Diverted from North Loup River—Sec. 14-21-16 W.					
Measurements Made at Rating Flume—Sec. 19-21-15 W.					
5-31	G. O. Travis	43.5	1.07	2.79	46.4
6- 7	do	49.3	.88	3.22	43.4
6-14	do	43.7	.68	2.84	29.9

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, BURWELL-SUMTER CANAL—Concluded					
6-21	G. O. Travis	46.9	0.75	3.06	35.3
6-28	do	46.1	.85	3.14	39.1
7- 5	do	43.1	.89	3.06	38.4
7- 8	C. H. Carstens	43.2	.92	3.08	39.6
7-12	G. O. Travis	45.8	.89	3.26	41.0
7-19	do	55.9	1.27	3.85	71.3
7-24	C. H. Carstens	56.3	1.48	3.87	83.1
7-26	G. O. Travis	65.7	1.49	4.32	97.9
7-30	C. H. Carstens	69.8	1.53	4.57	106.5
8- 2	G. O. Travis	69.4	1.65	4.52	114.8
8- 4	C. H. Carstens	68.5	1.59	4.42	109.0
8- 9	G. O. Travis	71.3	1.57	4.52	111.8
8-13	C. H. Carstens	65.4	1.35	4.19	88.2
8-16	G. O. Travis	60.7	1.46	3.92	88.7
8-21	C. H. Carstens	56.2	1.23	3.68	69.4
8-23	G. O. Travis	53.3	1.18	3.52	62.9
8-28	Hanks-Carstens	55.5	1.08	3.66	60.2
8-30	G. O. Travis	54.3	1.18	3.58	64.3
9- 6	do	45.3	1.01	3.08	45.7
9-11	C. H. Carstens	44.1	.87	3.06	38.5
9-13	G. O. Travis	42.4	.91	2.94	38.4
9-20	do	45.2	.58	3.08	26.2
9-27	do	32.6	.80	3.04	26.0
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, ORD-NORTH LOUP CANAL—A-2312 Diverted from North Loup River—Sec. 27-19-14 W. Measurements Made at Rating Flume—Sec. 36-19-14 W.					
5-21	G. O. Travis	22.8	0.90	1.75	20.5
5-31	do	30.5	1.21	2.26	37.2
6- 7	do	27.3	1.24	2.12	33.8
6-14	do	18.5	1.36	1.60	25.2
6-21	do	21.0	1.37	1.76	28.8
6-28	do	22.0	1.44	1.76	31.7
7- 5	do	21.0	1.53	1.72	32.2
7- 8	C. H. Carstens	22.7	1.49	1.86	33.7
7-12	G. O. Travis	23.8	1.42	1.83	33.8
7-19	do	44.9	1.58	3.12	71.1
7-24	C. H. Carstens	49.9	1.43	3.44	71.2
7-26	G. O. Travis	71.3	1.61	4.72	114.7
7-30	C. H. Carstens	73.6	1.55	4.74	114.0
8- 2	G. O. Travis	74.6	1.59	4.74	118.4
8- 4	C. H. Carstens	75.8	1.54	4.78	116.4
8- 9	G. O. Travis	72.9	1.54	4.48	112.5
8-13	C. H. Carstens	46.8	1.46	3.03	68.1

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, ORD-NORTH LOUP CANAL—Concluded					
8-16	G. O. Travis	45.8	1.62	3.18	74.0
8-21	C. H. Carstens	39.4	1.68	2.93	66.2
8-23	G. O. Travis	38.1	1.65	2.82	62.9
8-26	Hanks-Carstens	39.2	1.39	2.90	54.5
8-30	G. O. Travis	35.8	1.69	2.74	60.6
9- 6	do	22.8	1.71	1.93	39.1
9-11	C. H. Carstens	20.8	1.48	1.84	30.8
9-13	G. O. Travis	18.9	1.65	1.69	31.2
9-20	do	13.9	1.35	1.30	18.8
9-27	do	13.5	1.26	1.22	17.0
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM TAYLOR-ORD CANAL Returned to North Loup River—Sec. 6-20-15 W.					
8-13	Charles H. Carstens	—	—	—	0.3
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM TAYLOR-ORD CANAL Returned to North Loup River via Dane Creek Measurements Made below Weir—Sec. 16-19-14 W.					
8-13	Charles H. Carstens	—	—	—	0.2
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM BURWELL-SUMTER CANAL Returned to North Loup River Measurements Made below Weir—Sec. 3-19-14 W.					
7- 8	Charles H. Carstens	6.8	1.00	0.30	6.8
8-13	do	—	—	—	.5
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM BURWELL-SUMTER CANAL Returned to North Loup River Measurements Made above Weir—Sec. 20-19-13 W.					
7- 8	Charles H. Carstens	4.2	1.26	0.68	5.3
8-13	do	—	—	—	.0
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM ORD-NORTH LOUP CANAL Returned to North Loup River Measurements Made below Weir—Sec. 33-19-13 W.					
7- 8	Charles H. Carstens	—	—	—	0.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM ORD-NORTH LOUP CANAL					
Returned to North Loup River					
Measurements Made below Weir—Sec. 26-18-13 W.					
7- 8	Charles H. Carstens	1.5	1.40	0.24	2.1
8- 4	do	.....	.....	.30	3.3
8-13	do	.....	.....	.....	.3
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILL FROM ORD-NORTH LOUP CANAL					
Returned to North Loup River					
Measurements Made below Weir—Sec. 8-17-12 W.					
7- 8	Charles H. Carstens	2.2	1.14	0.44	2.5
NORTH PLATTE CANAL—D-635					
Diverted from North Platte River—Sec. 13-14-34 W.					
Measurements Made at Rating Flume					
10- 2	Fred Hervert	38.0	3.60	1.09	136.7
10-13	do	51.0	.73	.41	37.4
11- 8	do	39.4	.94	.46	37.0
3-19	do	.....	.....	.....	.0
5-27	Ivan W. Bauer	73.8	1.71	1.03	126.4
6- 7	do	67.4	1.46	.78	98.4
6-16	do	46.3	1.40	.59	64.8
6-25	do	87.6	2.07	1.25	181.5
7- 9	Bauer-Kleen	27.2	3.29	.66	89.5
7-19	do	16.2	1.98	.39	32.9
7-25	Melvin Kleen	31.9	3.81	.87	121.4
8- 6	Ivan W. Bauer	45.6	4.30	1.36	196.3
8-12	do	44.8	4.42	1.30	198.4
8-14	Melvin Kleen	87.4	2.03	1.16	177.6
8-19	Ivan W. Bauer	42.7	4.34	1.19	185.5
8-27	Bauer-Hansen	27.2	3.41	.72	92.0
9- 5	J. P. Hansen	30.0	4.58	1.00	137.5
9-12	do	30.0	4.48	.98	139.0
9-19	do	33.0	4.99	1.09	164.8
9-24	do	19.2	3.24	.62	62.2
NORTH PLATTE CANAL SPILL					
Cook Spillway—Sec. 26-14-31 W.					
10- 3	Fred Hervert	1.7	0.35	0.30	0.6
10-13	do	8.0	2.01	1.31	16.1
10-25	do	.....	.....	.....	.0
6-28	Ivan W. Bauer	2.1	1.24	.50	2.6
9-13	Melvin Kleen	.9	1.22	.40	1.1
9-25	do	10.8	1.39	1.29	15.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		NORTH PLATTE CANAL SPILL			
		North Platte—Sec. 29-14-30 W.			
10- 3	Fred Hervert	6.3	1.27	1.06	8.0
6-28	Ivan W. Bauer	8.9	1.46	1.19	3.0
7-17	Bauer-Kleen	2.0	.80	.68	1.6
8- 6	Melvin Kleen	.3	.27	.58	.1
8-21	do	3.8	1.34	.91	5.1
8-29	do	5.0	1.22	.96	6.1
9-13	do	1.0	.80	.62	.8
9-25	do	12.2	1.48	1.48	18.1
		NORTH PLATTE CANAL SPILL			
		To Scout Creek—Sec. 24-14-31 W.			
10- 3	Fred Hervert	5.4	2.50	0.91	13.5
5-29	Ivan W. Bauer	----	----	.07	.5
6-17	do	.6	1.17	.15	.7
6-28	do	.7	2.15	.72	9.9
7-17	Bauer-Kleen	.7	2.41	.67	9.4
8- 6	Melvin Kleen	1.0	.60	.16	.6
8-21	do	----	----	.09	.2
8-28	do	5.7	2.58	.98	14.8
9-13	do	.4	.50	.12	.2
9-25	do	3.6	2.11	.62	7.6
		OBERFELDER CANAL—D-306			
		Diverted from Lodgepole Creek—Sec. 31-14-46 W.			
		Measurements Made at Headgate			
3-19	K. S. Essex	----	----	----	0.0
4-17	do	----	----	----	.0
6-20	do	----	----	----	.0
		OBERFELDER CANAL—D-307			
		Diverted from Lodgepole Creek—Sec. 31-14-46 W.			
		Measurements Made at Headgate			
3-19	K. S. Essex	----	----	----	0.0
4-17	do	----	----	----	.0
6-20	do	----	----	----	1.0
		OBERFELDER CANAL—D-333			
		Diverted from Spring Creek—Sec. 31-14-46 W.			
		Measurements Made at Headgate			
3-19	K. S. Essex	----	----	----	0.0
4-17	do	----	----	----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	O'DONNELL CANAL—A-432, A-2036				
	Diverted from Big Bordeaux Creek—Sec. 9-34-48 W.				
	Measurements Made at Headgate				
11- 1	K. S. Essex	3.0	0.40	----	1.2
12- 2	do	----	----	----	.0
12-29	do	----	----	----	.0
2- 1	do	----	----	----	.0
3- 1	do	----	----	----	.0
4-23	do	----	----	----	.0
	ORCHARD-ALFALFA CANAL—D-627				
	Diverted from Platte River and Sutherland Reservoir—Sec. 9-10-24 W.				
	Measurements Made at Rating Flume—Sec. 10-10-24 W.				
10-12	Fred Hervert	32.4	1.32	2.32	42.8
10-23	do	38.4	1.67	2.74	64.0
10-28	do	46.4	1.88	3.27	87.1
12- 7	do	31.0	1.46	2.15	45.2
2- 6	do	----	----	----	.0
3-20	do	----	----	----	.0
5-23	Ivan W. Bauer	24.2	1.09	1.66	26.4
6- 2	do	21.6	1.04	1.55	22.4
6-13	do	24.3	.87	1.65	21.1
6-21	do	10.4	.45	.82	4.7
7- 1	do	24.8	1.37	1.74	34.0
7-22	Bauer-Kleen	27.5	1.63	1.92	44.8
8- 8	Melvin Kleen	37.6	1.98	2.64	74.4
8-12	do	30.5	1.88	2.27	57.5
8-15	do	39.5	1.76	2.77	69.5
8-19	do	40.7	1.61	2.86	65.7
8-22	do	24.9	1.65	1.73	41.0
8-26	do	34.2	1.77	2.39	60.4
8-29	do	36.7	1.68	2.59	61.6
9- 3	do	39.7	1.58	2.78	62.9
9- 4	do	34.3	1.71	2.40	58.6
9- 5	do	31.1	1.42	2.15	44.2
9- 8	do	33.1	1.54	2.28	51.0
9-15	do	30.4	1.26	2.10	38.3
9-23	do	1.6	.50	.14	.8
	OSHKOSH CANAL—D-797, A-243				
	Diverted from North Platte River—Sec. 33-17-44 W.				
	Measurements Made at Rating Flume				
10- 8	Fred Hervert	----	----	----	0.0
11- 6	do	----	----	----	.0
3-17	do	----	----	----	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		OSHKOSH CANAL—Concluded			
4- 7	Fred Hervert	.....	.....	.....	0.0
5- 7	do	12.8	0.35	1.65	4.5
7-28	Ivan W. Bauer	7.0	.19	1.39	1.3
8-25	Bauer-Hansen	.....	.....	.....	.0
9- 3	J. P. Hansen	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
9-26	do	.....	.....	.....	.0
		OWASCO CANAL—D-347, A-725			
		Diverted from Lodgepole Creek—Sec. 29-15-55 W.			
		Measurements Made at Rating Flume			
10-24	K. S. Essex	.....	.....	.....	0.0
11-26	do	.....	.....	.....	.0
12-16	do	.....	.....	.....	.0
3-18	do	.....	.....	.....	.0
4-16	do	.....	.....	.....	.0
5- 1	do	.....	.....	.....	.0
6-19	Essex-Hanna	.....	.....	.....	.0
9- 5	K. S. Essex	1.8	1.26	0.26	2.3
		OWASCO CANAL (BAY STATE LATERAL)—D-347R			
		Diverted from Lodgepole Creek—Sec. 29-15-55 W.			
		Measurements Made out of Owasco Canal			
10-24	K. S. Essex	.....	.....	.....	0.0
11-26	do	.....	.....	.....	.0
3-18	do	.....	.....	.....	.0
9- 5	Essex-Hanna	0.6	2.11	0.26	1.3
		OX YOKE CANAL—D-447			
		Diverted from Ash Creek—Sec. 29-32-50 W.			
		Measurements Made at Headgate			
12- 2	K. S. Essex	.....	.....	.....	0.0
3- 1	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
5-27	do	.....	.....	.....	.0
		PAISLEY CANAL—D-800, A-515, A-1738			
		Diverted from Blue Creek and Crescent Lake, A-1575—			
		Sec. 28-17-42 W.			
		Measurements Made at Rating Flume			
10- 1	Fred Hervert	6.8	1.50	0.85	10.2
10- 9	do	7.6	1.54	.93	11.7
11- 7	do	7.6	1.66	.94	12.6

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		PAISLEY CANAL—Concluded			
12- 2	Fred Hervert	.....	.....	.....	0.0
3-18	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
5- 7	do	.....	.....	.....	.0
5-24	do	7.2	1.71	.88	12.3
6- 3	do	.....	.....	.....	.0
9-26	J. P. Hansen	.....	.....	.....	.0
		PARKS CANAL—A-1202, A-1444, A-1555			
		Diverted from Republican River—Sec. 20-1-39 W.			
		Measurements Made at Headgate			
6- 5	Essex-Gerlach	.....	.....	.....	0.0
		PAXTON-HERSHEY CANAL—D-653			
		Diverted from North Platte River—Sec. 18-14-33 W.			
		Measurements Made at Rating Flume			
10- 2	Fred Hervert	30.2	3.59	1.66	110.6
10-13	do	39.7	1.84	1.12	73.0
11- 8	do	37.8	1.85	1.08	69.3
3-19	do	.....	.....	.....	.0
5- 9	Ivan W. Bauer	29.1	1.59	.79	46.3
5-16	do	34.7	1.87	1.02	64.9
5-27	do	42.1	1.64	1.10	69.2
6- 7	do	33.7	1.60	.94	54.0
6-16	do	5.4	1.98	.43	10.7
6-25	do	51.3	1.99	1.60	102.6
7- 8	Bauer-Kleen	11.4	4.53	.85	51.7
7-25	Melvin Kleen	40.7	1.63	1.08	66.2
8- 6	Ivan W. Bauer	4.5	.76	.18	3.4
8-12	do	4.6	.63	.09	2.9
8-19	do	.....	.....	.02	.2
8-27	Bauer-Hansen	26.1	4.10	1.40	107.1
9- 5	J. P. Hansen	10.8	4.57	.70	49.4
9-12	do	10.8	5.40	1.00	58.3
9-19	do	11.3	5.51	.98	62.3
9-24	do	7.2	4.06	.69	29.2
		PAXTON-HERSHEY CANAL SPILL			
		Sec. 14-14-32 W.			
5-17	Ivan W. Bauer	21.4	1.58	0.54	33.9
5-27	do	14.6	.74	.23	10.8
6-10	do	17.3	.72	.20	12.4
6-25	do	12.8	.57	.10	7.3
7- 9	Bauer-Kleen	5.0	1.44	.....	7.2
7-26	Melvin Kleen	4.8	1.17	.....	5.6
9- 9	do	14.5	1.28	.54	18.5
9-13	do	18.5	1.28	.66	23.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		PERSINGER CANAL—D-297			
		Diverted from Lodgepole Creek—Sec. 33-14-46 W.			
		Measurements Made at Headgate			
10-25	K. S. Essex	.....	.....	.....	0.1
11-27	do	.....	.....	.....	.0
12-17	do	.....	.....	.....	.0
3-19	do	.....	.....	.....	.0
4-17	do	.....	.....	.....	.0
6-20	do	2.7	1.29	.....	3.5
		PETER CANAL—D-913			
		Diverted from Pumpkinseed Creek—Sec. 2-19-56 W.			
		Measurements Made at Headgate			
3- 8	K. S. Essex	.....	.....	.....	0.0
4-30	do	.....	.....	.....	0
5-27	Fred Hervert	2.4	0.75	.....	1.8
		PHELPS COUNTY CANAL—A-2355			
		Diverted from Platte River through Maxwell Diversion—Sec. 8-13-29 W.			
		Measurements Made in Sec. 2-8-21 W.			
3-28	Fred Hervert	.....	.....	.....	0.0
4-11	Ivan W. Bauer	75.7	1.54	1.50	116.3
4-18	do	71.7	1.55	1.57	111.0
4-25	do	265.7	1.35	.....	358.6
4-26	do	259.3	1.44	5.40	375.3
5- 2	do	181.0	2.22	3.88	402.5
5-14	do	24.6	1.18	.70	28.9
5-22	do	.....	.....	.....	.8
7-15	Fred Hervert	120.0	1.89	.....	227.0
7-19	do	202.0	1.83	.....	369.0
7-20	do	178.0	1.84	.....	327.0
7-21	Bauer-Kleen	170.2	1.60	3.62	272.8
7-24	Fred Hervert	223.0	1.95	.....	434.7
7-30	Hervert-Ball	165.0	1.99	3.51	327.7
8- 4	Melvin Kleen	193.4	2.16	4.21	417.7
8- 4	Fred Hervert	232.5	2.11	.....	490.8
8- 9	Melvin Kleen	144.6	1.54	.....	222.6
8-13	Fred Hervert	84.6	1.54	.....	129.8
8-14	do	115.1	1.92	2.63	220.5
8-30	Melvin Kleen	.....	.....	.13	.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		PIONEER CANAL, NORTH—D-442a			
		Diverted from Niobrara River—Sec. 36-29-51 W.			
		Measurements Made at Headgate			
11- 2	K. S. Essex	10.0	0.54	----	5.4
12- 3	do	----	----	----	.0
12-30	do	----	----	----	.0
2- 2	do	----	----	----	.0
4- 1	do	----	----	----	.0
4-24	do	----	----	----	.0
5-26	do	----	----	----	1.0
9-16	do	8.4	.83	----	7.0
		PIONEER CANAL, SOUTH—D-442b			
		Diverted from Niobrara River—Sec. 31-29-50 W.			
		Measurements Made at Headgate			
11- 2	K. S. Essex	9.7	0.19	----	1.8
12- 3	do	----	----	----	.0
12-30	do	----	----	----	.0
2- 2	do	----	----	----	.0
4- 1	do	----	----	----	.0
4-24	do	----	----	----	.0
5-26	do	----	----	----	4.0
9-16	do	5.5	.44	----	2.4
		POTMESIL CANAL—A-2566			
		Diverted from Niobrara River—Sec. 26-29-48 W.			
		Measurements Made at Headgate			
11- 2	K. S. Essex	11.0	1.02	1.41	11.2
11-29	do	----	----	----	.0
12-30	do	----	----	----	.0
2- 2	do	----	----	----	.0
2-25	do	----	----	----	.0
3-25	do	----	----	----	.0
4-21	do	----	----	----	.0
8-29	do	----	----	----	.0
9-16	do	----	----	----	.0
		PREMIER CANAL—D-340			
		Diverted from Lodgepole Creek—Sec. 3-14-58 W.			
		Measurements Made at Headgate			
10-23	K. S. Essex	----	----	----	0.0
11-26	do	----	----	----	.0
4-16	do	----	----	----	.0
9- 4	do	----	----	----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		RALTON CANAL—A-882			
		Diverted from Lodgepole Creek—Sec. 36-13-45 W.			
		Measurements Made at Headgate			
11-27	K. S. Essex	.....	.....	.....	0.0
3-19	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
		RAMSHORN CANAL—D-918R, D-945			
		Diverted from North Platte River—Sec. 18-23-57 W.			
		Measurements Made at Rating Flume—Sec. 19-23-57 W.			
5-31	Fred Hervert	22.0	0.79	0.60	17.3
7- 9	K. S. Essex	18.2	.43	.28	7.8
8-22	Ivan W. Bauer	21.0	1.01	.63	21.2
9- 5	do	12.7	.56	.29	7.1
		RANDALL CANAL—A-1100			
		Diverted from Lawrence Fork—Sec. 21-18-52 W.			
		Measurements Made at Headgate			
10-26	K. S. Essex	3.5	1.37	.....	4.8
6-23	do	.....	.....	.....	.0
		RANKIN CANAL—A-2477			
		Diverted from Middle Loup River—Sec. 4-21-23 W.			
		Measurements Made 1½ Miles below Headgate			
7-23	Charles H. Carstens	.....	.....	.....	0.0
8- 5	do	.....	.....	.....	.0
		RASHER CANAL—D-467, A-456, A-534			
		Diverted from White River—Sec. 19-32-51 W.			
		Measurements Made at Headgate			
10-31	K. S. Essex	.....	.....	.....	0.5
11-30	do	.....	.....	.....	.0
12-31	do	.....	.....	.....	.0
1-31	do	.....	.....	.....	.0
3- 3	do	.....	.....	.....	.0
3-26	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
5-27	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	RIVERSIDE CANAL—D-18, A-1674				
	Diverted from Frenchman River—Sec. 33-4-32 W.				
	Measurements Made at Headgate				
11-13	K. S. Essex	.....	.....	.....	0.0
12-12	do	.....	.....	.....	.0
1-20	do	.....	.....	.....	.0
3-12	do	.....	.....	.....	.0
4-10	do	.....	.....	.....	.0
5-10	Essex-Gerlach	9.1	0.77	1.30	7.0
6- 4	do	.....	.....	.....	.0
	ROUND HOUSE ROCK CANAL—D-884				
	Diverted from Pumpkinseed Creek—Sec. 28-19-51 W.				
	Measurements Made at Rating Flume				
10- 7	Fred Hervert	.....	.....	.....	0.0
5-26	do	1.8	1.14	0.88	2.0
6-23	K. S. Essex	.....	.....	.....	.0
8-23	Ivan W. Bauer	.....	.....	.....	.0
9- 8	J. P. Hansen	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
	RUNGE CANAL NO. 1—D-339				
	Diverted from Lodgepole Creek—Sec. 20-14-50 W.				
	Measurements Made at Headgate				
10-24	K. S. Essex	1.3	0.46	.....	0.6
2-21	do	.....	.....	.....	.0
4-15	do	1.2	.94	.....	1.1
5-14	do	.5	.92		.8
6-19	do	.....	.....		.0
	RUSH CREEK CANAL—D-802				
	Diverted from North Platte River—Sec. 2-17-46 W.				
	Measurements Made at Rating Flume				
9- 9	J. P. Hansen	.....	.....	.....	0.0
9-16	do	.....	.....	.....	.0
	RUTTNER CANAL, NEW—D-350R, A-727, A-857, A-869				
	Diverted from Lodgepole Creek—Sec. 36-15-57 W.				
	Measurements Made at Headgate				
10-23	K. S. Essex	1.4	1.14	0.12	1.6
11-26	do	.....	.....	.....	1.5
12-16	do	.8	4.00	.17	3.2
3-18	do	2.2	.77	.16	1.7

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		RUTTNER CANAL, NEW—Concluded			
4-16	K. S. Essex	2.1	1.38	0.17	2.9
5- 1	do	.8	4.50	.38	2.6
6-18	Essex-Hanna	....	....	....	.0
9- 5	do	.8	.97	.22	.8
		RUTTNER CANAL—A-906			
		Diverted from Lodgepole Creek—Sec. 30-14-47 W.			
		Measurements Made at Headgate			
3-19	K. S. Essex	....	....	....	0.0
5-15	do	1.8	1.22	....	2.2
		SCHILT-CEDAR CREEK CANAL—D-507			
		Diverted from Cedar Creek—Sec. 35-33-56 W.			
		Measurements Made at Headgate			
11- 4	K. S. Essex	....	....	....	0.0
5-24	Essex-Rasmussen	....	....	....	.1
		SCHILT-MONROE CANAL—D-509			
		Diverted from Monroe Creek—Sec. 27-33-56 W.			
		Measurements Made at Headgate			
5-24	K. S. Essex	....	....	....	0.2
		SCHILT PRAIRIE DOG CANAL—D-508			
		Diverted from Prairie Dog Creek—Sec. 35-33-56 W.			
		Measurements Made at Headgate			
11- 4	K. S. Essex	....	....	....	0.0
5-24	do	....	....	....	.1
		SCOTT CANAL—A-711			
		Diverted from Pumpkinseed Creek—Sec. 7-19-55 W.			
		Measurements Made at Headgate			
3- 8	K. S. Essex	....	....	....	0.0
4-30	do	....	....	....	0
		SHERIDAN-WILSON CANAL—D-710			
		Diverted from North Platte River—Sec. 20-14-35 W.			
		Measurements Made at Rating Flume			
10- 2	Fred Hervert	6.3	1.43	0.78	9.0
11- 8	do	1.1	.55	.28	.6
5-27	Ivan W. Bauer	8.0	1.30	1.03	10.4
6- 7	do	4.4	1.00	.55	4.4
6-16	do	2.8	.64	.35	1.8
6-24	do	6.4	1.45	.82	9.3

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		SHERIDAN-WILSON CANAL—Concluded			
7- 8	Bauer-Kleen	3.1	0.71	0.40	2.2
7-25	Melvin Kleen	4.8	1.04	.53	5.0
8- 6	Ivan W. Bauer	3.6	1.11	.46	4.0
8-12	do	4.0	.92	.49	3.7
8-19	do	4.0	1.08	.52	4.3
8-27	Bauer-Hansen	4.0	1.33	.48	5.3
9- 5	J. P. Hansen	3.2	1.00	.46	3.2
9-12	do	4.0	1.15	.54	4.6
9-18	do	3.8	1.21	.52	4.6
9-24	do	4.4	1.25	.58	5.5
		SHORT LINE CANAL—D-946			
		Diverted from North Platte River—Sec. 25-21-53 W.			
		Measurements Made at Rating Flume			
10- 1	H. P. Eisenhuth	2.6	1.23	0.16	3.2
5-21	Fred Hervert	12.2	.88	.21	10.7
5-29	do	19.5	1.95	.65	38.1
6-26	K. S. Essex	7.2	5.31	.58	38.2
7-11	do	4.8	3.87	.42	18.6
7-31	do	2.4	2.50	.20	6.0
8-13	Ivan W. Bauer	4.8	2.89	.31	13.9
9- 3	do	7.3	1.15	.15	8.4
9-16	do	6.8	2.25	.42	15.3
		SIGNAL BLUFF CANAL—D-807			
		Diverted from North Platte River—Sec. 16-16-43 W.			
		Measurements Made at Rating Flume			
10- 1	Fred Hervert	9.6	1.17	1.39	11.2
10- 8	do	10.5	1.27	1.54	13.3
11- 7	do	5.6	.95	.84	5.3
5- 7	do	----	----	----	.0
		SIMONS CANAL—A-2363			
		Diverted from Little Cottonwood Creek—Sec. 9-32-51 W.			
		Measurements Made at Headgate			
10-31	K. S. Essex	----	----	----	0.0
11-30	do	----	----	----	.0
12-31	do	----	----	----	.0
1-31	do	----	----	----	.0
3- 3	do	----	----	----	.0
3-26	do	----	----	----	0
4-22	do	----	----	----	.0
5-27	do	----	----	----	.0
9-12	do	----	----	----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		SIX MILE CANAL—D-680			
		Diverted from Platte River and Sutherland Reservoir—Sec. 11-11-26 W.			
		Measurements Made at Rating Flume			
10-11	Fred Hervert	7.8	0.70	0.90	5.5
11- 2	do	16.0	1.06	1.97	16.9
12- 8	do	.....	.....	.....	.5
5- 1	Ivan W. Bauer	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
7- 2	do	14.6	.59	1.64	8.6
7-11	Bauer-Kleen	12.4	.53	1.35	6.6
7-16	do	13.8	.60	1.55	8.3
7-31	Melvin Kleen	15.4	.80	1.79	12.4
8- 5	do	15.2	.83	1.91	12.6
8- 8	do	9.9	.75	1.23	7.4
8-29	do	15.7	1.16	1.96	18.2
9- 5	do	8.8	.79	1.08	7.0
9- 8	do	9.0	.84	1.11	7.6
9-10	do	7.6	.68	.94	5.2
9-15	do	.6	.50	.25	.3
9-26	do	8.0	.92	1.01	7.4
		SMITH-WHEELER CANAL—D-842			
		Diverted from Pumpkinseed Creek—Sec. 26-19-51 W.			
		Measurements Made at Headgate			
10- 7	Fred Hervert	2.8	0.29	0.79	0.8
5- 3	K. S. Essex	1.5	.93	1.18	1.4
6-23	do	.....	.....	.78	.5
8-30	J. P. Hansen	.....	.....	.....	0
9- 8	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
9-29	do	.....	.....	.....	.0
		SODERQUIST CANAL—A-1237, A-1420			
		Diverted from Lodgepole Creek—Sec. 36-13-45 W.			
		Measurements Made at Headgate			
3-19	K. S. Essex	.....	.....	.....	0.0
5-15	do	.....	.....	.....	.0
		SOW BELLY, NEW, SUPPLY CANAL—A-2306R			
		Diverted from Sow Belly Creek—Sec. 8-32-55 W.			
		Measurements Made at Headgate			
5-24	K. S. Essex	.....	.....	.....	0.0
9-17	do	.....	.....	.....	0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		SOW BELLY, OLD, CANAL—D-533			
		Diverted from Sow Belly Creek—Sec. 7-32-55 W.			
		Measurements Made at Headgate			
11- 4	K. S. Essex	0.5	1.60		0.8
5-24	do	1.5	.80		1.2
9-17	do				.0
		SPALDING MILL TAIL RACE			
		Near Spalding—Sec. 28-20-9 W.			
10-23	Charles H. Carstens	86.6	1.12		97.2
4-16	do	96.8	.90		86.5
		SPOHN CANAL—D-801			
		Diverted from North Platte River—Sec. 13-17-45 W.			
		Measurements Made at Rating Flume			
11- 6	Fred Hervert				0.0
3-17	do				.0
4- 7	do				.0
5- 7	do				.0
		SPRING BRANCH CANAL—D-862, D-893, A-669			
		Diverted from Lawrence Fork—Sec. 11-18-52 W.			
		Measurements Made at Headgate			
10-26	K. S. Essex				0.5
6-23	do				.5
		SPRING CREEK CANAL—D-532			
		Diverted from Sow Belly Creek—Sec. 7-32-55 W.			
		Measurements Made at Headgate			
11- 4	K. S. Essex				0.0
		SPRING CREEK CANAL NO. 1—D-473			
		Diverted from Spring Creek, Tributary to Little Cottonwood Creek—Sec. 13-32-52 W.			
		Measurements Made at Headgate			
10-31	K. S. Essex				0.0
11-30	do				.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	STUART BROTHERS CANAL, NORTH—A-8				
	Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.				
	Measurements Made below Headgate				
10-31	K. S. Essex	----	----	----	0.0
11-30	do	----	----	----	.0
1-31	do	----	----	----	.0
3- 3	do	----	----	----	.0
3-26	do	----	----	----	.0
9-12	do	----	----	----	.0
	STUART BROTHERS CANAL, SOUTH—A-8				
	Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.				
	Measurements Made at Headgate				
10-31	K. S. Essex	----	----	----	0.0
11-30	do	----	----	----	.0
1-31	do	----	----	----	.0
3- 3	do	----	----	----	.0
3-26	do	----	----	----	.0
9-12	do	----	----	----	.0
	STUART, THOMAS, CANAL—(See THOMAS STUART CANAL)				
	STUMPH CANAL—D-447R, D-1023½				
	Diverted from East Ash Creek—Sec. 31-32-50 W.				
	Measurements Made at Headgate				
12- 2	K. S. Essex	----	----	----	0.0
3- 1	do	----	----	----	.0
4-22	do	----	----	----	.0
5-27	do	----	----	----	.0
	SUBURBAN CANAL—D-662				
	Diverted from North Platte River—Sec. 12-14-33 W.				
	Measurements Made at Rating Flume				
10- 3	Fred Hervert	25.2	1.58	0.68	40.8
10-13	do	17.2	.92	.26	15.9
3-19	do	----	----	----	.0
5-27	Ivan W. Bauer	37.9	1.18	.78	44.9
6-10	do	36.3	.89	.76	32.4
6-17	do	41.7	1.04	.85	43.6
6-25	do	34.0	1.36	.80	46.4
7- 9	Bauer-Kleen	7.3	.55	.17	4.0
7-19	do	5.4	1.59	.15	8.6
7-26	Melvin Kleen	6.8	1.72	.20	11.7
8- 6	do	12.5	2.88	.60	36.0
8-12	Ivan W. Bauer	33.4	1.18	.60	39.5
8-14	Melvin Kleen	29.8	1.69	.74	50.4

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		SUBURBAN CANAL—Concluded			
8-18	Ivan W. Bauer	38.2	1.40	0.76	53.7
8-21	Melvin Kleen	34.8	1.71	.81	59.4
9- 6	J. P. Hansen	23.8	1.02	.38	24.4
9-12	do	26.3	1.06	.45	27.9
9-20	do	28.0	1.09	.51	30.5
9-24	do	21.5	.79	.28	17.1
		SUBURBAN CANAL—D-662 (O. D. A-2648)			
		Diverted from Lincoln County Drain No. 1—Sec. 29-14-31 W.			
		Measurements Made below Headgate			
10- 3	Fred Hervert	10.2	1.24	1.58	12.6
7- 9	Bauer-Kleen	12.5	2.25	2.10	28.2
7-17	do	11.5	2.36	2.20	27.1
8- 6	Melvin Kleen	11.5	2.63	2.32	30.3
8-14	do	19.6	1.64	2.62	32.2
8-21	do	27.2	1.17	3.30	31.9
8-28	do	19.1	1.36	2.90	26.0
9- 9	do	21.1	1.38	2.80	29.1
9-19	do	17.0	1.34	2.42	22.8
		SUBURBAN CANAL—D-662			
		Diverted from Lincoln County Drain No. 1A—Sec. 25-14-32 W.			
		Measurements Made below Headgate			
10- 3	Fred Hervert	.....	.....	.....	11.7
5-27	Ivan W. Bauer	.....	.....	.....	4.2
6-10	do	.....	.....	.....	7.8
6-17	do	.....	.....	.....	8.1
6-25	do	.....	.....	.....	10.3
7- 9	Bauer-Kleen	.....	.....	.....	8.8
7-17	do	.....	.....	.....	8.9
8- 6	Melvin Kleen	.....	.....	.....	8.3
8-14	do	.....	.....	.....	12.3
8-21	do	.....	.....	.....	13.1
8-28	do	.....	.....	.....	12.0
9- 9	do	.....	.....	.....	11.6
9-19	do	.....	.....	.....	10.3
9-25	do	.....	.....	.....	10.8
		SUBURBAN CANAL SPILL			
		South Platte River—Sec. 11-13-30 W.			
8-28	Melvin Kleen	.....	.....	.....	0.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SUTHERLAND RESERVOIR SUPPLY CANAL—A-2350, A-2352, A-2353, A-2361					
Diverted from North Platte River—Sec. 7-14-37 W.					
Measurements Made at Gaging Station					
10- 6	Fred Hervert	189.6	0.78	5.00	148.6
10- 9	do	255.0	1.96	6.48	500.4
10-13	do	344.1	2.09	8.14	718.6
10-22	do	363.4	2.25	8.48	817.0
11- 8	do	314.6	2.12	7.58	668.0
12- 4	do	465.3	2.58	10.26	1200.0
12-11	do	456.0	2.60	10.01	1170.0
12-22	do	410.7	2.54	9.36	1045.0
1- 4	do	468.2	2.31	10.33	1080.0
1-16	do	492.6	2.69	10.69	1326.0
1-24	do	385.4	2.48	8.87	956.0
2- 1	W. Doolittle	511.6	2.84	11.01	1454.0
2- 4	Fred Hervert	511.5	2.74	11.01	1400.0
2-18	do	187.8	1.66	5.02	322.6
3- 4	do	414.6	4.47	9.39	1085.3
3-10	W. Doolittle	416.4	2.48	9.44	1032.6
3-11	do	421.3	2.54	9.54	1073.0
3-15	do	283.0	2.21	6.97	625.0
3-18	Fred Hervert	283.5	2.19	6.96	619.8
3-19	W. Doolittle	281.6	2.17	6.94	611.0
3-21	do	273.7	2.11	6.82	579.0
4- 1	Fred Hervert	283.5	2.09	6.96	593.4
4- 9	Ivan W. Bauer	201.6	1.91	5.40	385.3
4- 9	W. Doolittle	208.7	1.83	5.46	383.0
4-16	Ivan W. Bauer	210.6	1.92	5.52	404.1
4-23	do	207.8	1.95	5.60	405.1
4-30	do	215.4	1.96	5.66	421.6
5- 3	W. Doolittle	461.6	2.73	10.18	1260.0
5- 8	Ivan W. Bauer	447.8	2.71	10.05	1215.7
5-17	W. Doolittle	346.0	2.39	8.22	827.0
5-22	Ivan W. Bauer	396.5	2.52	8.21	877.1
5-24	W. Doolittle	139.9	1.31	3.92	184.0
6-23	do	435.0	2.70	9.80	1175.0
6-24	Fred Hervert	379.0	2.56	8.97	970.6
6-24	W. Doolittle	386.5	2.54	8.95	983.0
7- 8	Bauer-Kleen	449.6	2.88	9.98	1292.3
7-18	do	425.2	2.81	9.65	1196.9
7-24	Melvin Kleen	333.4	2.57	7.94	857.0
8-12	Ivan W. Bauer	422.5	2.64	9.62	1113.8
8-15	Fred Hervert	418.0	2.45	9.51	1024.9
8-18	do	234.0	2.04	6.00	476.5
8-19	Ivan W. Bauer	220.2	2.06	5.74	452.8
8-27	Bauer-Hansen	180.7	1.97	4.96	355.3

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SUTHERLAND RESERVOIR SUPPLY CANAL—Concluded					
9- 5	J. P. Hansen	173.4	1.96	4.90	339.8
9-11	do	182.4	1.89	4.91	344.5
9-19	do	147.0	1.59	3.86	234.2
9-24	do	441.5	2.73	9.91	1206.2
THIRTY MILE CANAL—A-1853, A-1976, A-2077					
Diverted from Platte River and Sutherland Reservoir—					
Sec. 30-12-26 W.					
Measurements Made at Rating Flume					
10-11	Fred Hervert	42.0	2.60	2.09	109.2
10-24	do	68.8	2.92	3.44	200.9
12- 8	do	2.0	1.00	.....	2.0
4- 5	Ivan W. Bauer	2.4	.92	.46	2.2
5- 1	do	56.5	1.68	1.90	94.8
5- 6	do	83.7	1.68	2.78	140.4
5-15	do	107.4	1.64	3.10	176.2
5-24	do	53.0	2.87	2.65	151.9
6-11	do	38.0	2.86	1.89	108.7
6-19	do	56.0	3.02	2.80	169.0
6-27	do	66.0	3.18	3.32	209.7
7- 2	do	66.4	3.03	3.30	201.2
7-11	Bauer-Kleen	61.0	3.09	3.06	188.6
7-16	do	44.0	2.82	2.15	123.9
7-31	Melvin Kleen	8.7	.83	.46	7.2
8- 5	do	44.8	2.80	2.18	125.5
8- 8	do	55.0	2.95	2.72	162.5
8-12	do	49.7	2.82	2.44	140.0
8-19	do	30.0	2.47	1.47	74.2
8-22	do	28.0	2.47	1.39	69.2
8-26	do	50.7	3.09	2.55	156.9
8-29	do	66.0	3.18	3.26	210.1
9- 5	do	56.0	3.02	2.78	169.0
9-15	do	58.0	3.13	2.85	181.8
9-30	do	40.0	2.71	2.00	108.3
THIRTY MILE CANAL SPILL, LITTLE SPILLWAY					
Sec. 35-11-25 W.					
5-23	Ivan W. Bauer	7.8	1.86	1.11	14.5
6- 2	do	2.4	.97	.11	2.3
6-13	do	3.7	1.41	.45	5.2
6-21	do	----	----	----	.0
7- 1	do	4.6	1.30	.41	6.0
7-15	Bauer-Kleen	6.4	1.17	.60	7.5
7-22	do	6.4	1.08	.55	6.9
8-29	Melvin Kleen	3.9	.67	.06	2.6
9- 5	do	----	----	.65	.1
9-23	do	10.7	1.27	1.22	13.6

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
THIRTY MILE CANAL SPILL, MIDDLE SPILLWAY					
		Sec. 7-10-24 W.			
5-23	Ivan W. Bauer	3.5	1.57	1.11	5.5
6- 2	do	2.2	1.63	.99	3.6
6-13	do	5.9	2.24	1.55	13.2
6-21	do	.....	.....	.40	.1
7- 1	do	5.7	2.00	1.40	11.4
7-15	Bauer-Kleen	7.0	1.88	1.68	13.2
7-22	do	6.1	1.72	1.60	10.5
8-26	Melvin Kleen	.2	.40	.43	.8
8-29	do	3.2	1.84	1.16	5.9
9- 3	do	1.7	1.47	.89	2.5
9-10	do	5.2	1.94	1.41	10.1
9-23	do	7.4	2.03	1.76	15.0
THIRTY MILE CANAL SPILL, HENDERSON SPILLWAY					
		Sec. 8-10-24 W.			
5-23	Ivan W. Bauer	11.9	2.17	1.20	25.8
6- 2	do	9.6	1.61	.88	15.5
6-13	do	9.8	1.20	.79	11.8
6-21	do	.....	.....	.....	.2
7- 1	do	8.8	.95	.67	8.4
7-15	Bauer-Kleen	13.0	1.92	1.10	25.0
7-22	do	10.0	1.59	.97	15.9
8-29	Melvin Kleen	2.9	1.28	.50	3.7
9- 3	do	.1	.50	.22	.1
9- 8	do	6.8	.82	.61	5.6
9-23	do	11.6	1.69	1.14	19.6
THIRTY MILE CANAL SPILL, DARR SPILLWAY					
		Sec. 8-9-22 W.			
6- 5	Ivan W. Bauer	4.5	1.13	0.89	5.1
6-13	do	6.2	1.21	1.10	7.5
6-21	do	1.7	1.06	.44	1.8
7- 1	do	4.0	1.15	.77	4.6
7-15	Bauer-Kleen	11.8	1.45	1.74	17.1
8- 8	Melvin Kleen	.....	.....	.....	.0
8-29	do	2.8	1.21	.29	3.4
9- 4	do	1.2	.92	.13	1.1
9- 8	do	4.6	1.59	.36	7.3
9-20	do	1.6	1.25	.95	2.0
9-27	do	6.6	1.88	1.42	12.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		THOMAS CANAL—A-2057			
		Diverted from East Ash Creek—Sec. 19-32-50 W.			
		Measurements Made at Headgate			
12- 2	K. S. Essex	.....	.....	.....	1.0
3- 1	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
5-27	do	.....	.....	.....	1.0
		THOMAS CANAL—A-1748			
		Diverted from Big Bordeaux Creek—Sec. 34-34-48 W.			
		Measurements Made at Headgate			
11- 1	K. S. Essex	.....	.....	.....	0.0
12- 2	do	.....	.....	.....	.0
12-29	do	.....	.....	.....	.0
2- 1	do	.....	.....	.....	.0
3- 1	do	.....	.....	.....	.0
4-23	do	.....	.....	.....	.0
5-25	do	.....	.....	.....	.0
9-13	do	.....	.....	.....	.0
		THOMAS STUART CANAL—D-425			
		Diverted from Little Cottonwood Creek—Sec. 8-32-52 W.			
		Measurements Made at Headgate			
10-31	K. S. Essex	.....	.....	.....	0.0
11-30	do	.....	.....	.....	.0
1-31	do	.....	.....	.....	.0
3- 3	do	.....	.....	.....	.0
3-26	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
		TOBIN CANAL—D-330			
		Diverted from Lodgepole Creek—Sec. 28-14-47 W.			
		Measurements Made at Headgate			
10-25	K. S. Essex	.....	.....	.....	0.0
11-27	do	2.6	1.11	.....	2.9
3-19	do	.....	.....	.....	.0
4-17	do	.....	.....	.....	.0
5-15	do	2.4	1.00	.....	2.4
		TODD CANAL—A-520			
		Diverted from East Ash Creek—Sec. 5-31-50 W.			
		Measurements Made at Headgate			
12- 2	K. S. Essex	.....	.....	.....	0.0
3- 1	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
5-27	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		TRACY CANAL—A-870			
		Diverted from Lodgepole Creek—Sec. 12-14-59 W.			
		Measurements Made at Headgate			
10-23	K. S. Essex	----	----	----	0.0
11-26	do	----	----	----	.0
2-21	do	----	----	----	.0
3-18	do	----	----	----	.0
4-16	do	----	----	----	.0
6-18	Essex-Hanna	----	----	----	.0
9- 4	do	1.0	1.06	----	1.1
		TRAILS END CANAL—A-3453			
		Diverted from Pumpkinseed Creek—Sec. 30-19-52 W.			
		Measurements Made at Headgate			
5- 3	K. S. Essex	8.7	0.38	0.80	3.3
5-19	do	4.6	.74	1.25	3.5
6-23	do	----	----	----	.0
7-21	do	----	----	----	.0
		TRI-COUNTY SUPPLY CANAL, A-2351, A-2354, A-2355			
		Maxwell Diversion from Platte River—Sec. 8-13-29 W.			
		Discharge through 30-foot Parshall Flume—			
		NE¼ NW¼ Sec. 28-13-29 W.			
				Ha / Hb	
12-20	Fred Hervert	155.0	----	4.15 / 4.10	536
1- 5	do	104.0	----	2.72 / 2.13	529
1- 9	do	193.0	----	5.33 / 4.81	1270
1-24	do	159.0	----	4.15 / 2.90	1050
2-23	do	115.0	----	2.95 / 2.12	625
3- 8	do	182.0	----	4.84 / 4.45	1090
3-30	do	97.2	----	2.49 / .77	519
3-30	do	397.0	----	2.49 / .77	532
4- 5	Ivan W. Bauer	112.0	----	2.88 / 1.45	635
4-12	do	113.0	----	2.98 / 2.08	638
4-18	Baily-Odell-Hervert	125.0	----	3.24 / 1.86	738
4-19	Ivan W. Bauer	273.0	----	5.81 / 5.05	1530
4-24	do	192.0	----	3.88 / 2.05	975
5- 1	do	247.0	----	4.66 / 4.00	1120
5- 6	do	141.0	----	3.70 / 3.15	855
5-15	do	107.0	----	2.78 / 1.45	604
5-24	do	76.2	----	1.90 / 1.20	343
5-24	Fred Hervert	----	----	2.65 / .55	570

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height Ha	Gage Height Hb	Discharge Sec.-ft.
		TRI-COUNTY SUPPLY CANAL—Concluded				
5-31	Ivan W. Bauer	91.1	.....	2.41	2.00	431
6-11	do	110.0	.....	2.83	2.20	605
6-18	do	89.3	.....	2.31	.60	467
6-27	do	223.0	.....	5.92	5.25	1550
7- 2	do	244.0	.....	6.42	5.75	1750
7-11	Bauer-Kleen	181.0	.....	4.70	4.00	1180
7-16	do	183.0	.....	4.78	3.92	1280
7-30	Melvin Kleen	279.0	.....	7.32	6.78	2140
8-11	do	208.0	.....	5.47	4.40	1610
8-26	do	81.8	.....	2.06	.39	403
8-30	Fred Hervert	126.0	.....	3.29	.68	764
9- 8	do	65.1	.....	1.72	.....	277
9-10	Melvin Kleen	89.3	.....	2.36	.72	467
9-15	do	83.7	.....	2.18	.....	422
9-19	Ball-Hervert	105.0	.....	2.63	.....	572
9-27	Fred Hervert	100.0	.....	2.59	.25	534
		TRI-COUNTY RETURN, JEFFREY POWER PLANT To Platte River—Sec. 25-12-27 W. Measurements Made at Bridge ½ Mile Downstream From 20-foot Parshall Flume				
				Ha		
1- 5	Fred Hervert	.....	.....	.....		0.5
1-21	do	.....	.....	.....		.0
2-22	do	121.4	0.93	1.19		112.7
3- 8	do	81.0	.70	.84		57.0
3-30	do	104.0	.83	1.09		85.9
4- 5	Ivan W. Bauer	60.2	.47	.59		28.3
4-12	do	81.6	.88	.98		72.0
4-21	do	.....	.....	.....		.0
5- 1	do	105.4	1.04	1.10		109.3
5- 6	do	212.4	1.63	2.55		345.8
5-15	do	239.0	1.85	3.00		427.0
5-24	do	194.0	1.55	2.50		301.7
5-31	do	185.8	1.46	2.25		272.0
6-11	do	187.6	1.42	2.25		267.1
6-19	do	204.0	1.70	2.72		347.2
6-27	do	271.0	2.48	3.60		671.2
7- 2	do	223.7	1.89	2.70		421.6
7-11	Bauer-Kleen	246.7	2.41	3.35		594.9
7-14	Fred Hervert	211.9	2.03	2.70		430.0
7-16	Bauer-Kleen	226.8	2.21	2.75		501.4
7-16	do	205.9	2.07	2.59		425.8
7-18	Fred Hervert	236.7	2.23	2.82		529.0
7-18	do	255.4	2.41	3.06		613.7
7-21	do	268.9	2.49	3.46		670.1

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
TRI-COUNTY RETURN, JEFFREY POWER PLANT—Concluded					
				Staff	
7-23	Bauer-Kleen	264.8	2.53	2.47	669.0
7-30	Melvin Kleen	215.4	1.46	1.73	314.0
8- 4	Fred Hervert	350.9	3.02	4.14	1062.0
8-11	Melvin Kleen	300.8	3.05	2.88	916.8
8-13	do	276.8	2.72	2.59	753.0
8-21	Fred Hervert	196.3	1.97	1.74	387.0
8-22	Melvin Kleen	236.2	1.33	1.62	313.4
8-23	Fred Hervert	188.0	1.85	.....	348.0
8-25	do	242.1	2.32	.....	563.0
8-26	Melvin Kleen	258.4	2.40	2.35	619.2
9- 2	do	283.5	2.80	4.04	793.9
9- 8	Fred Hervert	224.2	2.31	2.03	517.9
9-10	Melvin Kleen	224.2	2.33	2.03	522.6
9-15	do	225.6	2.34	2.00	528.1
9-20	Fred Hervert	244.6	2.55	2.26	623.4
TRI-COUNTY SPILL, BELOW JOHNSON POWER PLANT NO. 2 Returned to Platte River Measurements Made—Sec. 3-8-21 W.					
7- 4	Fred Hervert	114.4	0.49	1.20	56.2
7-20	do	129.8	.61	1.50	79.2
7-21	Bauer-Kleen	44.2	1.31	1.20	58.0
8- 4	Melvin Kleen	21.2	1.16	.76	24.7
8- 9	do	51.8	2.36	1.44	122.5
8-13	Fred Hervert	125.3	.91	1.38	114.2
8-20	do	52.4	1.68	1.15	88.1
8-23	Melvin Kleen	68.6	.87	1.04	59.5
8-26	Fred Hervert	43.3	1.65	1.10	71.2
8-30	Melvin Kleen	57.9	1.38	1.16	79.9
9- 4	do	.....	.....	.....	3
TRINNIER CANAL—D-849, A-1551 Diverted from Greenwood Creek—Sec. 28-18-50 W. Measurements Made at Headgate					
10-26	K. S. Essex	.....	.....	.....	0.0
2- 6	do	.....	.....	.....	.9
TRI-STATE CANAL—D-918, A-660, A-768 Diverted from North Platte River and Pathfinder Reservoir—Sec. 3-23-58 W. Measurements Made at Rating Flume—Sec. 18-23-57 W.					
10- 3	Guy C. Thatcher	.....	.....	5.25	458.0
11- 8	Charles H. Carstens	96.8	0.88	2.92	85.7

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		TRI-STATE CANAL—Concluded			
5- 9	Fred Hervert	359.5	2.64	7.43	950.3
5-16	do	183.6	1.50	4.59	274.8
5-22	do	242.8	2.22	5.59	516.2
6- 7	do	297.9	2.56	6.55	764.0
6-14	do	145.3	1.89	4.01	273.8
7- 5	K. S. Essex	323.6	2.59	6.92	838.3
7-18	do	309.4	2.22	6.38	687.4
7-29	do	366.2	2.50	7.60	914.0
8- 7	do	378.8	2.42	7.60	917.8
8-22	Ivan W. Bauer	370.6	2.50	7.53	926.6
8-30	do	372.0	2.39	7.38	890.7
9- 5	do	345.1	2.53	7.35	871.7
9-11	do	310.6	2.41	6.69	749.1
9-19	do	301.8	2.45	6.58	740.4
9-25	do	242.7	2.40	5.82	583.2
		TRI-STATE CANAL, LATERAL NO. 1—D-918, A-660 Diverted from North Platte River and Pathfinder Reservoir—Sec. 3-23-58 W. Measurements Made at Lateral Headgate—Sec. 13-23-58 W.			
5- 9	Fred Hervert	8.1	0.94	1.49	7.6
5-31	do	----	----	----	.0
7-25	Essex-Bauer	4.6	1.20	.92	5.5
7-30	K. S. Essex	7.0	1.29	1.50	9.0
8- 7	do	5.7	.77	1.12	4.4
8-22	Ivan W. Bauer	4.3	.67	1.22	2.9
8-30	do	3.9	.92	1.12	3.6
9- 5	do	4.2	.80	1.17	3.4
9-11	do	4.8	.71	1.33	3.4
9-19	do	4.8	.75	1.33	3.6
		TRI-STATE CANAL, LATERAL NO. 2—D-918, A-660 Diverted from North Platte River and Pathfinder Reservoir—Sec. 3-23-58 W. Measurements Made at Lateral Headgate—Sec. 18-23-57 W.			
5- 9	Fred Hervert	----	----	----	0.5
5-15	do	3.8	1.45	0.63	5.5
5-31	do	3.8	1.54	.60	5.8
7-25	Essex-Bauer	3.8	.79	.98	3.0
7-30	K. S. Essex	4.2	1.05	.96	4.4
8- 7	do	3.9	.95	.96	3.7
8-22	Ivan W. Bauer	7.8	.88	1.89	6.9
8-30	do	5.4	.61	1.20	3.3
9- 5	do	5.2	.64	1.24	3.3
9-11	do	5.3	.68	1.34	3.6
9-19	do	5.3	.74	1.30	3.9
9-25	do	5.1	.76	1.29	3.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	TRI-STATE CANAL, LATERAL NO. 3—D-918, A-660				
	Diverted from North Platte River and Pathfinder Reservoir—Sec. 3-23-58 W.				
	Measurements Made at Lateral Headgate—Sec. 18-23-57 W.				
5-31	Fred Hervert	.....	.....	.....	0.0
7-25	Essex-Bauer	.....	.....	.....	.0
7-30	K. S. Essex	5.4	0.56	.....	3.0
8- 7	do	4.7	.53	.....	2.5
8-22	Ivan W. Bauer	.....	.....	.....	.2
9- 5	do	1.4	.57	.....	.8
9-11	do	.9	.44	.....	.4
9-19	do	.....	.....	.....	.0
	TRI-STATE CANAL—D-918, A-660				
	Diverted from Akers Draw—Sec. 12-23-57 W.				
	Measurements Made at Intersection with Tri-State Canal				
5- 9	Fred Hervert	15.8	0.49	.....	7.7
5-17	do	5.8	1.14	.....	6.6
5-31	do	8.3	1.00	.....	8.3
7-30	K. S. Essex	22.0	.44	.....	9.8
8-21	Ivan W. Bauer	15.1	.56	.....	8.5
9- 9	do	10.3	.92	.....	9.5
9-25	do	6.2	1.50	.....	9.3
	TRI-STATE CANAL—D-918, A-660				
	Diverted from Sheep Creek—Sec. 8-23-57 W.				
	Measurements Made at Headgate of Feeder Canal				
10- 3	H. P. Eisenhuth	33.0	1.90	2.14	62.7
11- 8	Charles H. Carstens	27.6	1.68	2.00	46.4
5-16	Fred Hervert	23.0	1.57	.....	36.1
5-17	do	24.5	1.57	1.76	38.4
5-31	do	24.3	1.65	1.80	40.1
7-12	K. S. Essex	30.7	2.06	2.22	63.3
7-29	do	25.2	1.94	2.08	49.0
8-22	Ivan W. Bauer	30.7	1.90	2.33	58.2
9-11	do	24.5	2.39	2.35	58.5
	TRI-STATE CANAL—D-918, A-660				
	Diverted from Dry Spotted Tail Creek—Sec. 9-23-56 W.				
	Measurements Made at North Line of Sec. 9-23-56 W.				
10- 3	H. P. Eisenhuth	6.4	1.42	1.42	9.1
5- 9	Fred Hervert	.....	.....	.....	.0
7-12	K. S. Essex	.....	.....	.....	.0
7-18	do	10.7	1.24	1.80	13.3
7-30	do	13.4	1.26	2.06	16.9
8-19	do	11.4	1.51	1.95	17.3
9- 9	do	8.9	2.03	1.69	18.1
9-18	do	8.6	1.99	1.71	17.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	TRI-STATE CANAL—D-918, A-660				
	Diverted from Wet Spotted Tail Creek—Sec. 10-23-56 W.				
	Measurements Made at South Line of Sec. 3-23-56 W.				
5- 9	Fred Hervert	4.2	1.57	1.09	6.6
5-17	do	5.1	1.39	1.07	7.1
5-31	do	2.0	.59	.84	1.2
7-18	K. S. Essex	3.4	1.41	1.12	4.8
7-30	do	4.0	1.40	1.12	5.6
8-19	do	6.6	1.77	1.38	11.7
9- 9	do	12.8	1.68	1.12	21.5
9-18	do	14.0	1.68	1.14	23.6
	TRI-STATE CANAL—D-918, A-660				
	Diverted from Tub Springs—Sec. 27-23-55 W.				
	Measurements Made at Sec. 27-23-55 W.				
5-17	Fred Hervert	.....	.....	.....	0.0
7- 8	K. S. Essex	11.3	1.90	0.95	21.4
7-18	do	13.1	1.85	.95	24.3
8-21	Ivan W. Bauer	12.3	1.84	.89	22.7
9- 9	do	14.2	2.24	1.15	31.8
9-18	do	15.4	2.39	1.18	36.8
	TRI-STATE CANAL—D-918, A-660				
	Diverted from Alliance Drain—Sec. 18-22-53 W.				
	Measurements Made at Sec. 18-22-53 W.				
5-16	Fred Hervert	.....	.....	.....	0.0
5-30	do	.....	.....	.....	.0
9-10	Ivan W. Bauer	.....	.....	.....	.0
	TRI-STATE CANAL, ROBERTS LATERAL—D-918 (O. D. A-1241)				
	Diverted from Dry Spotted Tail Creek—Sec. 16-23-56 W.				
	Measurements Made at Headgate				
9- 9	Ivan W. Bauer	.....	.....	.....	0.0
	TRI-STATE CANAL, TOOHEY SPILLWAY				
	To River—Sec. 19-23-56 W.				
2- 5	Charles H. Carstens	10.1	1.08	.....	10.9
2-19	do	10.7	.92	.....	9.9
3- 5	do	10.0	.95	.....	9.5
3-19	do	14.6	.60	.....	8.8
4-30	Fred Hervert	9.8	.95	.....	9.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
TRI-STATE CANAL, MITCHELL SPILLWAY					
To River—Sec. 35-23-56 W.					
10-15	H. P. Eisenhuth	8.2	1.51	0.24	12.4
1-10	Charles H. Carstens	—	—	—	.0
1-23	do	18.5	1.72	—	31.9
2- 6	do	6.5	.97	.15	6.3
2-18	do	6.6	.97	.12	6.4
3- 4	do	10.1	.63	.14	6.4
3-19	do	7.4	.57	.08	4.2
4-16	Fred Hervert	4.7	1.34	.14	6.3
4-30	do	12.3	.45	.11	5.6
9-10	Ivan W. Bauer	—	—	—	.0
UNION CANAL—D-763					
Diverted from Blue Creek and Crescent Lake, A-1575					
Sec. 18-16-42 W.					
Measurements Made at Rating Flume					
10- 1	Fred Hervert	12.3	1.15	1.41	14.2
10- 9	do	9.9	1.03	1.20	10.2
11- 7	do	11.5	1.17	1.40	13.4
12- 2	do	—	—	—	.0
3-18	do	—	—	—	.0
4-22	do	—	—	—	.0
5- 7	do	—	—	—	.0
5-24	do	—	—	—	.0
6- 3	do	—	—	—	.0
7-16	K. S. Essex	—	—	—	1.0
7-29	Ivan W. Bauer	15.6	1.33	1.77	20.7
8- 5	do	11.1	1.28	1.35	14.3
8-11	do	15.1	1.54	1.72	23.3
8-20	do	11.4	1.34	1.41	15.3
8-26	Bauer-Hansen	8.7	1.24	1.26	10.8
9- 3	J. P. Hansen	11.8	1.18	1.50	13.9
9-10	do	10.9	1.34	1.46	14.6
9-17	do	9.4	1.17	1.37	11.0
9-26	do	—	—	—	.0
URBACH CANAL—D-308, A-723					
Diverted from Lodgepole Creek—Sec. 15-14-51 W.					
Measurements Made at Headgate					
10-24	K. S. Essex	—	—	—	0.0
2-20	do	—	—	—	.0
4-15	do	—	—	—	.0
5-14	do	—	—	—	.0
6-19	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		VALDEZ CANAL—D-976			
		Diverted from Cedar Creek—Sec. 10-32-56 W.			
		Measurements Made at Headgate			
11- 4	K. S. Essex	.....	.....	.....	0.0
		WARBONNET CANAL—D-548			
		Diverted from Warbonnet Creek—Sec. 21-33-56 W.			
		Measurements Made at Headgate			
5-24	K. S. Essex	1.9	1.04	.....	2.0
		WARBONNET CANAL NO. 2—A-892			
		Diverted from Warbonnet Creek—Sec. 20-33-56 W.			
		Measurements Made at Headgate			
9-17	K. S. Essex	.....	.....	.....	0.5
		WARNEKE CANAL—D-505			
		Diverted from Niobrara River—Sec. 27-31-57 W.			
		Measurements Made at Headgate			
12- 1	K. S. Essex	.....	.....	.....	0.0
4-28	do	.....	.....	.....	.0
		WEARIN CANAL—A-1864			
		Diverted from Lodgepole Creek—Sec. 8-14-58 W.			
		Measurements Made at Rating Flume			
10-23	K. S. Essex	.....	.....	.....	0.0
11-26	do	.....	.....	.....	.0
4-16	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
		WESTERN CANAL—A-393, A-1804			
		Diverted from South Platte River—Sec. 14-12-43 W.			
		Measurements Made at Headgate			
10-25	K. S. Essex	26.0	1.42	0.35	36.9
11- 8	do	32.4	1.61	.42	52.2
11-27	do	37.2	1.77	.49	66.0
12-18	do	.....	.....	.....	.0
2-22	do	.....	.....	.....	.0
3-19	do	45.9	2.01	.56	92.2
4-17	do	.....	.....	.....	.0
5- 5	do	.....	.....	.....	.0
5-15	do	29.2	1.61	.36	47.0
6-20	do	.....	.....	.....	.0
9- 6	do	30.2	1.56	.38	47.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		WHITE RIVER CANAL—D-477			
		Diverted from White River—Sec. 34-32-52 W.			
		Measurements Made at Rating Flume			
10-31	K. S. Essex	7.4	1.53	.....	11.3
11-30	do	.....	.....	.....	.0
12-31	do	.....	.....	.....	.0
1-31	do	.....	.....	.....	.0
3- 3	do	.....	.....	.....	.0
3-26	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
5-23	do	8.0	.61	.....	4.9
9-12	do	.....	.....	.....	.0
		WICKERSHAM CANAL—A-701, A-2182, A-2204			
		Diverted from Boggy Creek—Sec. 31-33-54 W.			
		Measurements Made at Headgate			
11- 4	Essex-Rasmussen	.....	.....	.....	0.1
5-24	K. S. Essex	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
		WICKERSHAM SUPPLY CANAL—A-2182			
		Diverted from Boggy Creek—Sec. 31-33-54 W.			
		Measurements Made at Headgate			
11- 4	K. S. Essex	.....	.....	.....	0.0
5-24	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
		WIEGAND CANAL—A-563			
		Diverted from Lodgepole Creek—Sec. 17-13-45 W.			
		Measurements Made at Headgate			
10-25	K. S. Essex	.....	.....	.....	0.1
4-17	do	.....	.....	.....	.0
		WIEGAND CANAL NO. 2—A-1323			
		Diverted from Lodgepole Creek—Sec. 16-13-45 W.			
		Measurements Made at Headgate			
4-17	K. S. Essex	.....	.....	.....	0.0
6-20	do	.....	.....	.....	.0
		WIEGAND CANAL NO. 3—A-1322			
		Diverted from Lodgepole Creek—Sec. 16-13-45 W.			
		Measurements Made at Headgate			
4-17	K. S. Essex	.....	.....	.....	0.0
6-20	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	WILDS CANAL, NORTH—A-904				
	Diverted from Lodgepole Creek—Sec. 11-13-46 W.				
	Measurements Made at Headgate				
10-25	K. S. Essex	----	----	----	0.0
11-27	do	----	----	----	.0
12-17	do	----	----	----	.0
3-19	do	----	----	----	.0
4-17	do	----	----	----	.0
	WILDS CANAL, SOUTH—A-904				
	Diverted from Lodgepole Creek—Sec. 11-13-46 W.				
	Measurements Made at Headgate				
10-25	K. S. Essex	----	----	----	0.0
11-27	do	----	----	----	.0
12-17	do	----	----	----	.0
3-19	do	----	----	----	.0
4-17	do	----	----	----	.0
	WINTERS CREEK CANAL—D-952				
	Diverted from North Platte River—Sec. 17-22-55 W.				
	Measurements Made at Rating Flume				
5-17	Fred Hervert	17.2	1.03	0.41	17.7
6- 7	do	13.8	1.15	1.09	15.9
6-28	K. S. Essex	----	----	----	.0
7- 2	do	9.9	3.27	.82	32.4
7-23	do	12.8	2.62	.97	33.6
8- 6	do	15.6	1.44	1.18	22.3
8-19	do	14.6	1.47	1.15	21.4
9- 5	Ivan W. Bauer	11.7	1.46	.97	17.1
9-17	do	13.9	1.09	1.12	15.2
	WINTERS CREEK CANAL—D-952 (O. D. A-1446)				
	Diverted from Winters Creek—Sec. 19-22-54 W.				
	Measurements Made at Rating Flume				
5-23	Fred Hervert	20.9	1.86	2.12	38.9
5-30	do	25.0	2.04	2.48	51.1
6-28	K. S. Essex	20.9	1.86	2.08	39.9
7-22	do	22.5	1.82	2.32	40.9
8- 5	do	24.5	1.96	2.54	48.0
8-15	Ivan W. Bauer	22.7	1.78	2.33	40.5
9-10	do	29.9	1.62	3.05	48.3
9-18	do	26.4	1.78	2.69	47.1

DISCHARGE MEASUREMENTS OF CANALS—Concluded
Year Ending September 30, 1941

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	WINTERS CREEK LATERAL—D-952 (O. D. A-1446)				
	Diverted from Winters Creek—Sec. 19-22-54 W.				
	Measurements Made at Headgate				
5-23	Fred Hervert	16.0	0.95	1.41	15.2
5-30	do	5.4	1.57	.73	8.5
7-22	K. S. Essex	5.2	2.36	1.30	12.3
8- 5	do	6.0	2.00	1.58	12.0
8-15	Ivan W. Bauer	16.5	.70	1.42	11.6
9-10	do	11.8	2.41	1.50	28.5
9-18	do	14.6	1.89	1.55	27.6
	WINTERS CREEK CANAL—D-952				
	Diverted from Minatare Drain—Sec. 27-22-54 W.				
	Measurements Made in Drain above Canal				
5-23	Fred Hervert	2.2	1.18	.....	2.6
7-30	K. S. Essex	2.2	1.25	.....	2.7
	WINTERS CREEK CANAL SPILL				
	To Minatare Drain—Sec. 26-22-54 W.				
7-30	K. S. Essex	.....	.....	.....	0.0
	WINTERS CREEK CANAL SPILL				
	To Winters Creek—Sec. 19-22-54 W.				
5-30	Fred Hervert	15.8	0.89	.....	14.0
	ZERBST CANAL—A-2003				
	Diverted from Little Red Creek—Sec. 34-33-56 W.				
	Measurements Made at Headgate				
11- 4	Essex-Rasmussen	.....	.....	.....	0.0
	ZIMMERMAN CANAL—A-532				
	Diverted from Sow Belly Creek—Sec. 34-33-55 W.				
	Measurements Made at Headgate				
9-17	K. S. Essex	.....	.....	.....	1.0

DISCHARGE MEASUREMENTS OF CANALS
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	ABERDEEN CANAL—D-50a, D-50b, A-1117				
	Diverted from Frenchman River—Sec. 3-5-38 W.				
	Measurements Made at Headgate				
5-22	David B. Ender	----	----	----	0.0
8-27	do	----	----	----	.0
9-18	do	----	----	----	.0
	ADAMS CANAL—D-371				
	Diverted from Lodgepole Creek—Sec. 3-14-52 W.				
	Measurements Made at Headgate				
4-23	A. C. Hilpert	----	----	----	0.0
6- 5	do	----	----	----	.0
6-24	do	----	----	----	.0
7-15	do	----	----	----	.0
7-31	do	1.2	0.67	----	.8
8-17	do	----	----	----	.0
9- 3	do	1.7	1.00	----	1.7
9-16	do	----	----	----	.9
	AIREDALE CANAL NO. 1—A-698, A-1380				
	Diverted from Pumpkinseed Creek—Sec. 2-19-55 W.				
	Measurements Made from 5.5-foot Weir				
5-14	A. C. Hilpert	----	----	----	0.0
6-20	do	----	----	----	.0
7-11	do	----	----	----	.0
7-29	do	----	----	----	.0
8-14	do	----	----	----	.0
9- 2	do	----	----	----	.0
9-15	do	----	----	----	.1
	AIREDALE CANAL NO. 2—A-699, A-1133				
	Diverted from Pumpkinseed Creek—Sec. 1-19-55 W.				
	Measurements Made at Headgate				
4-21	A. C. Hilpert	----	----	----	0.0
5-14	do	----	----	----	.0
6-20	do	----	----	----	.0
7-11	do	3.9	0.59	----	2.3
7-29	do	4.0	.86	----	3.5
8-14	do	3.6	.69	----	2.5
9- 2	do	----	----	----	.0
9-15	do	----	----	----	.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		AIREDALE CANAL NO. 3—A-1508			
		Diverted from Pumpkinseed Creek—Sec. 2-19-55 W.			
		Measurements Made at Headgate			
5-14	A. C. Hilpert	.....	.....	.....	0.0
7-11	do	.....	.....	.....	.0
7-29	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
9- 2	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.1
		ALFALFA CANAL—D-738			
		Diverted from North Platte River—Sec. 1-15-42 W.			
		Measurements Made at Rating Flume			
7-13	E. S. Kimmel	.....	.....	.....	0.0
		ALLEN-LARNED CANAL—D-117			
		Diverted from Buffalo Creek—Sec. 18-1-40 W.			
		Measurements Made at Headgate			
12- 4	D. B. Ender	1.4	0.65	.....	0.9
6-18	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-19	do	7.0	.64	.....	4.5
9-11	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
		ALLIANCE CANAL—D-874 (O. D. A-1776)			
		Diverted from Bayard Sugar Factory Drain—Sec. 4-20-52 W.			
		Measurements Made at Rating Flume			
7-13	J. P. Hansen	17.6	1.24	2.31	21.9
7-21	do	21.6	1.41	2.75	30.4
7-28	do	12.8	.72	1.73	9.2
8-11	do	.....	.....	.....	.0
8-22	do	1.8	.43	.30	.8
		ALLIANCE CANAL—D-874 (O. D. A-1429)			
		Diverted from Red Willow Creek—Sec. 6-20-51 W.			
		Measurements Made at Rating Flume			
10-15	Ivan W. Bauer	2.1	2.19	1.85	4.6
6- 9	J. P. Hansen	15.4	1.05	1.50	16.2
7-13	do	25.0	1.39	2.19	34.9
7-21	do	34.3	.98	3.02	33.5
7-28	do	28.3	1.17	2.49	33.1
8-10	do	34.0	1.40	2.95	47.7
8-17	do	33.6	1.32	2.92	44.4

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		ALLIANCE CANAL—Concluded			
8-24	J. P. Hansen	32.7	1.42	2.90	46.4
8-31	do	29.8	1.19	2.65	35.6
9-18	do	24.8	.62	2.25	15.3
9-29	do	.....	.....	1.80	3.0
		ALMERIA CANAL—A-2469, A-2868, A-2869 Diverted from North Loup River—Sec. 10-22-20 W. Measurements Made 0.6 Mile below Spillway			
5-12	D. E. Olson	.....	.....	.....	0.0
7-22	do	25.1	0.88	2.88	22.1
8-14	do	4.4	.16	.81	.6
9-17	do	.....	.....	.....	.0
		AMSBERRY PUMP—A-2789 Diverted from Mud (Beaver) Creek—Sec. 23-15-18 W. Measurements Made at Pump Site			
8-25	D. E. Olson	.....	.....	.....	0.0
		AMSBERRY PUMP—A-2684 Diverted from Mud (Beaver) Creek—Sec. 22-15-18 W. Measurements Made at Pump Site			
8-25	D. E. Olson	.....	.....	.....	0.0
		ANDERSON CANAL—D-373 Diverted from Lodgepole Creek—Sec. 8-14-51 W. Measurements Made at Headgate			
4-23	A. C. Hilpert	1.0	0.90	.....	0.9
6- 5	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
7-31	do	1.5	.87	.....	1.3
8-17	do	2.8	1.14	.....	3.2
9- 3	do	1.7	1.14	.....	2.0
9-16	do	.....	.....	.....	.0
		ANDREWS SUPPLY CANAL—A-2530 Diverted from Sow Belly Creek—Sec. 5-32-55 W. Measurements Made at Headgate			
11-17	Ivan W. Bauer	1.5	0.78	.....	1.2
2-20	Hilpert-Rasmussen	.....	.....	.....	.0
3- 9	A. C. Hilpert	.....	.....	.....	.0
4-14	Hilpert-Rasmussen	1.4	1.07	.....	1.5
5-27	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		ANDREWS SUPPLY CANAL—Concluded			
6-16	A. C. Hilpert				0.0
7- 7	do				.0
7-21	do				.0
8- 5	do				.0
8-24	do				.0
9- 9	do				.0
9-22	do				.0
		ASH CREEK, WEST, CANAL—A-434, D-452			
		Diverted from West Ash Creek—Sec. 36-32-51 W.			
		Measurements Made at Headgate			
4-11	Hilpert-Rasmussen	1.9	0.84		1.6
5-23	A. C. Hilpert				.0
6-13	do				.0
7- 6	do				.0
8-22	do				.0
		ATKINS-POLLY CANAL—D-342, D-344			
		Diverted from Lodgepole Creek—Sec. 30-15-55 W.			
		Measurements Made at Rating Flume			
4-22	Hilpert-Hanna				0.0
6- 6	A. C. Hilpert				.0
6-25	do				.0
7-15	do				.0
8- 1	do	3.3	0.15	0.68	.5
8- 1	do	3.0	.43	1.03	1.3
8-15	Hilpert-Hanna	3.6	.33	.82	1.2
9- 3	do	1.3	.41	.56	.5
9- 3	do	1.9	.76	.76	1.4
9-16	do	.9	.44	.54	.4
		BAILEY PUMP—A-2871			
		Diverted from Shell Creek—Sec. 1-17-3 E.			
		Measurements Made at Pump Site			
9-22	D. E. Olson				0.0
		BAILEY PUMP—A-2923			
		Diverted from Shell Creek—Sec. 12-17-3 E.			
		Measurements Made at Pump Site			
9-22	D. E. Olson				0.0
		BALES PUMP—A-2427			
		Diverted from North Loup River—Sec. 11-21-16 W.			
		Measurements Made at Pump Site			
8-27	D. E. Olson				0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	BANKER, LOUIS, PUMP—A-2370				
	Diverted from Clear Creek—Sec. 36-14-16 W.				
	Measurements Made at Pump Site				
8-25	D. E. Olson				0.0
	BAR 99 CANAL—A-2898				
	Diverted from Bear Creek—Sec. 16-34-37 W.				
	Measurements Made at Headgate				
6-12	A. C. Hilpert				0.0
7- 1	do				.0
7-27	do				.0
8-12	do				.0
8-29	do				.0
9-12	do				.0
9-28	do				.0
	BAR 99 CANAL, NORTH—A-3321				
	Diverted from Bear Creek—Sec. 16-34-37 W.				
	Measurements Made at Headgate				
2-16	A. C. Hilpert				0.2
3-12	do	2.3	0.87		2.0
4- 8	do				.0
5- 4	do				.0
5-21	do				.0
6-12	do				.0
7- 1	do				.0
7-27	do				.0
8-12	do				.0
8-29	do				.0
9-12	do				.0
9-28	do				.0
	BAR 99 CANAL, SOUTH—A-3321				
	Diverted from Bear Creek—Sec. 16-34-37 W.				
	Measurements Made at Headgate				
2-16	A. C. Hilpert				1.1
3-12	do	2.1	0.42		.9
5- 4	do				.0
5-21	do				.0
6-12	do				.0
7- 1	do				.0
7-27	do				.0
8-12	do				.0
8-29	do				.0
9-12	do				.0
9-28	do				.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BARBER CANAL—D-754, A-1111					
Diverted from Clear Creek—Sec. 29-16-41 W.					
Measurements Made at Rating Flume					
10-23	J. P. Hansen				0.0
11- 6	do	3.2	0.66	0.60	2.1
11-17	Melvin Kleen	3.8	.58	.61	2.2
12-15	do				.0
4- 4	do				.0
4-22	E. S. Kimmel				.0
4-29	do				.0
5- 7	do				.0
6- 3	do				.0
6-24	do				.0
7-15	do				.0
7-27	do	6.7	.37	1.12	2.5
8-11	do	6.1	.95	1.25	5.8
8-25	do	5.6	.76	.78	4.2
9- 9	do	3.7	.57	.47	2.1
9-23	do	1.6	.75	.38	1.2
BARRETT CANAL—D-334					
Diverted from Lodgepole Creek—Sec. 32-14-46 W.					
Measurements Made at Headgate					
4-26	A. C. Hilpert				0.0
6- 5	do				.0
6-23	do				.0
7-14	do				.0
7-30	do				.0
8-18	do				.0
9- 4	do				.0
9-17	do				.0
BARRON CANAL, EAST—A-2024					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements Made Near Headgate					
5-23	A. C. Hilpert				0.0
6-13	do				.0
7- 6	do				.0
7-18	do				.0
8- 8	do				.0
8-22	do	0.4	0.75		.3
9-21	do				.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	BARRON CANAL, WEST—D-438R				
	Diverted from East Ash Creek—Sec. 32-32-50 W.				
	Measurements Made near Headgate				
10-15	K. S. Essex	----	----	----	0.0
4- 3	A. C. Hilpert	1.98	0.88	----	1.8
5-23	do	----	----	----	.0
6-13	do	----	----	----	.0
7- 6	do	----	----	----	.0
7-18	do	1.05	.76	----	.8
8- 8	do	----	----	----	.0
8-22	do	----	----	----	.0
9-21	do	----	----	----	.0
	BARTLETT CANAL—A-2285				
	Diverted from White River—Sec. 19-34-48 W.				
	Measurements Made at Pump Site				
4- 4	Hilpert-Rasmussen	----	----	----	0.0
	BAUERSACHS CANAL—D-492				
	Diverted from Hooker Creek—Sec. 7-31-51 W.				
	Measurements Made at Headgate				
4-11	Hilpert-Rasmussen	----	----	----	0.0
	BEERLINE CANAL—D-887				
	Diverted from North Platte River—Sec. 24-19-49 W.				
	Measurements Made at Rating Flume				
10-13	J. P. Hansen	2.2	1.00	0.42	2.2
10-20	do	5.5	.98	.50	5.4
10-28	do	6.6	.97	.58	6.4
4-20	E. S. Kimmel	----	----	----	.0
5- 4	do	----	----	----	.0
7-24	Kimmel-Hanks	11.0	1.18	.98	12.9
8- 1	E. S. Kimmel	11.1	.94	1.03	10.5
8- 8	do	4.0	.30	.07	1.2
8-17	do	3.4	1.00	.32	3.4
8-21	do	2.4	.79	.25	1.9
8-28	do	3.1	.70	.32	2.2
9- 5	do	5.2	1.03	.46	5.4
9-11	do	4.8	1.00	.42	4.8
9-18	do	6.4	1.04	.58	6.6
9-25	do	9.4	1.11	.86	10.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BEISER CANAL—A-1056					
Diverted from Niobrara River—Sec. 4-29-56 W.					
Measurements Made at Headgate					
4-15	Hilpert-Rasmussen	----	----	----	0.0
5-29	A. C. Hilpert	----	----	----	.0
6-17	do	----	----	----	.0
7- 2	do	----	----	----	.0
7-20	do	----	----	----	.0
8- 6	do	----	----	----	.0
8-25	do	----	----	----	.0
9-10	do	----	----	----	.0
9-23	do	----	----	----	.0
BELMONT CANAL—D-828, D-858, A-866					
Diverted from North Platte River—Sec. 18-20-51 W.					
Measurements Made at Rating Flume					
10-10	J. P. Hansen	26.2	1.35	0.37	35.4
10-11	Ivan W. Bauer	18.1	2.08	.38	37.7
6- 6	J. P. Hansen	24.5	1.78	.45	43.5
6-13	do	20.8	2.65	.45	55.1
7- 2	do	20.2	2.58	.46	52.0
7-21	do	30.9	3.24	.64	100.6
8- 3	do	22.2	2.84	.50	63.1
8-11	do	24.6	3.06	.53	75.2
8-19	A. C. Hilpert	57.3	2.18	.72	125.1
8-24	J. P. Hansen	34.4	3.66	.73	126.0
9-12	Hansen-Essex	28.5	3.58	.63	98.4
9-21	J. B. Hansen	21.0	2.14	.35	47.2
9-22	do	21.2	2.26	.34	48.0
9-29	do	20.4	2.25	.35	45.9
BELMONT FEEDER—A-1397					
Diverted from Cedar Creek—Sec. 23-18-48 W.					
Measurements Made at Rating Flume					
7-13	E. S. Kimmel	6.0	1.33	1.23	8.0
7-24	do	4.7	1.37	1.06	6.5
8- 3	do	5.5	1.54	1.27	8.5
8-15	do	5.6	1.50	1.36	8.5
8-22	do	4.7	1.47	1.24	6.9
8-29	do	4.6	1.44	1.33	6.6
9- 5	do	4.8	1.37	1.40	6.6
9-19	do	7.4	1.54	1.94	11.4
9-26	do	----	----	----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		BELMONT CANAL SPILL			
		Into Pumpkinseed Creek—Sec. 23-19-50 W.			
10-10	J. P. Hansen	16.2	1.38	0.63	22.4
10-20	do	.....	.....	.....	.0
7- 9	A. C. Hilpert	.....	.....	.....	.0
7-28	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
9- 2	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	.1
		BENDIX CANAL—A-189, A-1669			
		Diverted from Sand Creek—Sec. 35-33-53 W.			
		Measurements Made at Headgate			
4-10	Hilpert-Rasmussen	0.55	0.73	.....	0.4
		BENNETT CANAL—A-1249			
		Diverted from Niobrara River—Sec. 1-28-54 W.			
		Measurements Made at Headgate			
2-21	Hilpert-Rasmussen	.....	.....	.....	0.0
3- 7	do	.....	.....	.....	.2
4-15	do	.....	.....	.....	.0
5-29	A. C. Hilpert	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-20	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
		BENNETT RESERVOIR CANAL—A-691, A-1975			
		Diverted from Lodgepole Creek and Bennett Reservoir—Sec. 22-15-55 W.			
		Measurements Made at Headgate			
4-22	Hilpert-Hanna	.....	.....	.....	0.0
6- 6	A. C. Hilpert	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-15	do	4.6	0.89	.....	4.1
		BICKEL CANAL—D-347, A-719, A-724			
		Diverted from Lodgepole Creek—Sec. 30-15-55 W.			
		Measurements Made at Rating Flume			
4-22	Hilpert-Hanna	.....	.....	.....	0.0
6- 6	A. C. Hilpert	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		BICKEL CANAL—Concluded			
7-15	A. C. Hilpert	2.6	0.49	0.58	1.3
8- 1	do	2.2	.71	.59	1.6
8-15	Hilpert-Hanna	2.6	.60	.62	1.6
9- 3	do	2.8	.51	.62	1.4
9-16	A. C. Hilpert	.6	.82	.42	.5
		BIGELOW-SEYMOUR CANAL—D-510			
		Diverted from Niobrara River—Sec. 19-31-57 W.			
		Measurements Made at Headgate			
2-20	Hilpert-Rasmussen	.....	.....	.....	0.0
3- 5	do	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
5-29	A. C. Hilpert	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-20	do	3.0	0.33	.....	1.0
8- 6	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
9-23	do	8.3	.38	.....	3.2
		BIRD CAGE-QUINN CANAL—D-892, A-1561			
		Diverted from Pumpkinseed Creek—Sec. 20-19-51 W.			
		Measurements Made at Headgate			
4-20	A. C. Hilpert	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
7-10	do	1.8	0.78	1.07	1.4
7-29	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
9- 2	do	.6	.50	.74	.3
9-15	do	.5	.40	.71	.2
9-30	do	.....	.....	.....	.0
		BIRDWOOD CANAL—D-646			
		Diverted from Birdwood Creek—Sec. 35-15-33 W.			
		Measurements Made at Rating Flume			
10-16	J. P. Hansen	4.9	1.43	0.34	7.0
10-24	do	4.5	1.44	.35	6.5
10-29	do	.....	.....	.12	.5
11- 5	do	.....	.....	.....	.0
5- 9	E. S. Kimmel	.....	.....	.....	.0
5-28	do	8.4	.86	.28	7.3
6- 5	do	8.0	1.08	.30	8.8
6-12	do	9.8	1.12	.34	10.4

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		BIRDWOOD CANAL—Concluded			
6-19	E. S. Kimmel	10.8	1.37	0.44	14.9
6-26	do	6.2	.57	.20	3.5
7- 3	do	7.4	.84	.35	6.2
7-30	do	8.5	1.08	.38	9.2
8- 6	do	.6	.73	.10	.4
8-13	do	16.1	1.65	1.01	26.5
8-20	do	12.1	1.63	.84	19.9
8-27	do	22.6	1.13	1.56	25.4
9- 2	do	3.7	.59	.25	2.2
9-10	do	13.8	1.62	.94	22.3
9-16	do	8.8	1.26	.64	11.1
9-24	do	4.3	.67	.32	2.9
		BLUE CREEK CANAL—D-785, D-795, A-1154			
		Diverted from Blue Creek and Crescent Lake, A-1575—Sec. 33-17-42 W.			
		Measurements Made at Rating Flume			
10- 2	J. P. Hansen	13.8	1.46	1.17	20.2
10-22	do	.....	.....	.....	.0
4- 4	Melvin Kleen	.....	.....	.....	.0
4-22	E. S. Kimmel	.....	.....	.....	.0
6-16	do	5.8	.91	.16	5.3
6-23	do	.....	.....	.....	.0
6-30	do	8.0	.89	.36	7.1
7-14	do	18.4	2.10	1.60	38.6
7-28	do	15.9	2.08	1.32	33.0
8- 3	do	19.5	2.14	1.60	41.8
8-10	do	16.0	1.99	1.30	31.9
8-17	do	17.0	2.06	1.42	35.0
8-24	do	18.0	1.97	1.48	35.6
8-31	do	18.4	1.82	1.49	33.5
9- 8	do	19.3	1.81	1.60	35.0
9-14	do	12.2	1.84	1.06	20.6
9-21	do	11.2	1.70	1.04	19.1
9-29	do	12.3	1.67	1.16	20.5
		BLUHM CANAL—A-1811			
		Diverted from Lodgepole Creek—Sec. 36-14-48 W.			
		Measurements Made at Headgate			
4-26	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9- 4	do	2.2	0.93	.....	2.1
9-17	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		BOELUS POWER CANAL—A-1373			
		Diverted from Middle Loup River—Sec. 30-13-12 W.			
		Measurements Made at Headrace Flume			
10- 7	C. H. Carstens	308.5	2.03	.....	627.0
10- 9	do	2571.0	2.50	.....	644.0
3-21	Olson-Hanks	255.0	2.35	.....	598.0
4-14	D. E. Olson	207.0	2.09	.....	432.0
5- 4	do	275.0	2.08	.....	572.0
5-15	C. V. Burns	297.0	2.04	.....	605.0
5-26	D. E. Olson	296.0	2.06	.....	608.0
6- 5	C. H. Carstens	300.0	1.70	.....	511.0
6-18	D. E. Olson	288.0	2.07	.....	596.0
7- 9	do	264.0	1.87	.....	493.0
8- 6	do	270.0	2.18	.....	590.0
8-18	do	247.0	2.32	.....	573.0
9- 8	C. V. Burns	271.0	2.27	.....	615.0
9-15	D. E. Olson	261.0	2.38	.....	620.0
9-29	do	274.0	2.08	.....	570.0
		BOOTH CANAL, NORTH—D-309, D-310			
		Diverted from Lodgepole Creek—Sec. 29-14-47 W.			
		Measurements Made at Rating Flume			
4-26	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	.0
7-14	do	1.5	0.23	.....	.3
7-31	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
		BOOTH CANAL, SOUTH—D-309, D-310			
		Diverted from Lodgepole Creek—Sec. 29-14-47 W.			
		Measurements Made at Rating Flume			
4-26	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	0
7-14	do	.....	.....	.....	.0
7-31	do	0.5	0.31	.....	.2
8-17	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	BORDWELL CANAL—D-302				
	Diverted from Lodgepole Creek—Sec. 35-14-49 W.				
	Measurements Made at Headgate				
6- 5	A. C. Hilpert				0.0
6-24	do				.0
7-14	do				.0
7-31	do				.0
8-17	do				.0
9- 3	do				.0
9-16	do				.0
	BORDWELL CANAL—D-303				
	Diverted from Lodgepole Creek—Sec. 35-14-49 W.				
	Measurements Made at Headgate				
4-23	A. C. Hilpert				0.0
6- 5	do				.0
6-24	do				.0
7-14	do				.0
7-31	do				.0
8-17	do				.0
9- 3	do				.0
9-16	do				.0
	BORQUIST CANAL, SOUTH—D-300				
	Diverted from Lodgepole Creek—Sec. 34-14-49 W.				
	Measurements Made at Headgate				
4-23	A. C. Hilpert				0.0
6- 5	do				.0
6-24	do				.0
7-14	do				.0
7-31	do				.0
8-17	do				.0
9- 3	do				.0
9-16	do				.0
	BORQUIST CANAL, NORTH—D-301				
	Diverted from Lodgepole Creek—Sec. 34-14-49 W.				
	Measurements Made at Headgate				
4-23	A. C. Hilpert				0.0
6- 5	do				.0
6-24	do				.0
7-14	do				.0
7-31	do				.0
8-17	do	2.2	0.27		.6
9- 3	do				.0
9-16	do				.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	BOURETT CANAL—A-546				
	Diverted from Niobrara River—Sec. 19-30-56 W.				
	Measurements Made at Headgate				
8-25	A. C. Hilpert	.....	.....	.....	0.0
	BRADY CANAL—D-352				
	Diverted from Lodgepole Creek—Sec. 28-15-54 W.				
	Measurements Made at Headgate				
4-22	Hilpert-Hanna	.....	.....	.....	0.0
7-15	A. C. Hilpert	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
	BRITTON PUMP—A-2467				
	Diverted from North Loup River—Sec. 26-21-18 W.				
	Measurements Made at Pump Site				
8-27	D. E. Olson	.....	.....	.....	0.0
8-28	do	.....	.....	.....	.0
	BROADHURST CANAL—A-1264				
	Diverted from Little Cottonwood Creek—Sec. 7-32-51 W.				
	Measurements Made at Headgate				
4-10	Hilpert-Rasmussen	.....	.....	.....	0.0
7- 6	A. C. Hilpert	.....	.....	.....	.0
	BROWNS CREEK CANAL—D-857, D-1033				
	Diverted from the North Platte River and Pathfinder Reservoir—Sec. 20-20-50 W.				
	Measurements Made at Rating Flume				
10-13	J. P. Hansen	20.3	1.33	0.43	27.1
6-23	do	23.6	1.74	1.27	41.1
7-14	do	19.7	1.82	.90	35.8
7-27	do	15.1	1.82	.60	27.5
8-10	do	.....	.....	.....	.0
8-18	do	33.0	1.75	1.57	57.8
8-19	A. C. Hilpert	37.2	1.83	1.85	68.0
8-24	J. P. Hansen	27.6	1.80	1.34	49.7
8-31	do	30.4	1.83	1.48	55.7
9-22	do	.....	.....	-.15	2.5

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BULLOCK CANAL—D-296					
Diverted from Lodgepole Creek—Sec. 3-13-46 W.					
Measurements Made at Headgate					
4-26	A. C. Hilpert				0.0
6- 5	do				.01
6-23	do				.2
7-14	do	1.3	0.46		.6
7-30	do				.1
8-18	do				.0
9- 4	do				.1
9-17	do				.0
BULLOCK CANAL—A-437					
Diverted from Lodgepole Creek—Sec. 4-13-46 W.					
Measurements Made below Headgate					
4-26	A. C. Hilpert				0.0
6- 5	do				.0
6-23	do				.0
7-14	do				.0
7-30	do				.0
8-18	do				.0
9- 4	do				.0
9-17	do				.0
BUSHNELL CANAL—A-504					
Diverted from Lodgepole Creek—Sec. 2-14-58 W.					
Measurements Made at Headgate					
4-22	Hilpert-Hanna				0.0
6- 6	A. C. Hilpert				.0
6-25	do				.0
7-15	do				.0
8- 1	do				.0
8-15	Hilpert-Hanna				.0
9- 3	do				.0
9-16	A. C. Hilpert				0
CALADONIA CANAL—A-1681, A-1683					
Diverted from Jim Creek and Caladonia Reservoir, A-1680—					
Sec. 13-33-57 W.					
Measurements Made at Headgate					
11-18	Ivan W. Bauer				0.0
3- 9	A. C. Hilpert				.0
4-14	Hilpert-Rasmussen				.0
7- 7	A. C. Hilpert				.0
8- 5	do				.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		CAMBRIDGE MILL—D-92, D-93			
		Diverted from Medicine Creek—Sec. 29-4-25 W.			
3-24	D. B. Ender	.....	.....	.....	45.0
		CARTWRIGHT PUMP—A-3117			
		Diverted from Ash Creek—Sec. 7-32-50 W.			
		Measurements Made at Pump Site			
4-11	Hilpert-Rasmussen	.....	.....	.....	0.0
5-23	A. C. Hilpert	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.0
		CASTEEL PUMP—A-3049			
		Diverted from Clear Creek—Sec. 1-16-18 W.			
		Measurements Made at Pump Site			
8-26	D. E. Olson	.....	.....	.....	0.0
		CASTLE ROCK CANAL—D-921			
		Diverted from North Platte River—Sec. 4-21-54 W.			
		Measurements Made at Rating Flume			
10- 9	Ivan W. Bauer	10.8	1.97	0.60	21.3
6-20	J. P. Hansen	12.6	1.26	.73	15.9
7-18	do	46.8	1.68	2.60	78.8
8- 3	do	42.3	1.79	2.37	75.6
8-11	do	41.1	1.90	2.26	78.3
8-18	do	46.8	1.88	2.57	87.8
8-25	do	43.2	1.83	2.40	79.1
9- 2	do	41.4	1.71	2.26	70.6
9-22	do	30.6	1.73	1.70	52.9
9-29	do	28.8	1.67	1.60	48.0
		CASTLE ROCK CANAL SPILL			
		West of McGrew—Sec. 34-21-53 W.			
7-14	J. P. Hansen	3.4	1.43	0.34	4.8
		CENTRAL CANAL—D-926			
		Diverted from North Platte River and Pathfinder Reservoir—Sec. 36-22-55 W.			
		Measurements Made at Rating Flume			
5-27	J. P. Hansen	14.3	1.65	1.22	23.6
6- 3	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		CENTRAL CANAL—Concluded			
6-19	J. P. Hansen	.....	.....	.....	0.0
7-23	do	17.4	1.25	1.56	21.7
8- 4	do	19.0	1.20	1.72	22.9
8-18	do	16.0	1.26	1.42	20.2
8-25	do	16.6	1.36	1.44	21.9
9- 2	do	15.8	1.48	1.38	23.4
9-24	do	.....	.....	.....	.0
		CHAMPION CANAL—D-47, A-1108			
		Diverted from Frenchman River—Sec. 23-6-40 W.			
		Measurements Made at Rating Flume			
12- 5	D. B. Ender	13.5	1.10	1.83	14.9
5-23	do	6.3	.85	1.43	5.4
8-15	do	12.3	1.20	2.06	14.7
8-26	do	13.0	1.24	2.08	16.1
9-19	do	7.4	.71	1.61	5.3
		CHAMPION CANAL—D-47, A-1108			
		Diverted from Frenchman River—Sec. 23-6-40 W.			
		Measurements Made near Reservoir Inlet			
6- 5	D. B. Ender	5.2	0.79	1.46	4.1
7-11	Ender-Gerlach	12.5	.96	2.04	12.0
7-29	D. B. Ender	.....	.....	.....	.0
8-26	do	4.8	.75	.....	3.6
		CHAMPION CANAL—D-47			
		Diverted from Frenchman River—Sec. 23-6-40 W.			
		Measurements Made Near West Line of Sec. 29-6-39 W.			
7-29	D. B. Ender	9.9	1.14	1.90	11.3
		CHAMPION MILL—D-179			
		Diverted from Frenchman River—Sec. 21-6-39 W.			
		Measurements Made at Headrace			
12- 5	D. B. Ender	65.4	0.94	.....	61.2
7-29	do	63.4	.74	.....	46.8
		CHAULK CANAL—A-1406			
		Diverted from Trunk Butte Creek—Sec. 25-33-50 W.			
		Measurements Made at Headgate			
4-11	Hilpert-Rasmussen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
CHIMNEY ROCK CANAL—D-844, D-1031, A-2190					
Diverted from North Platte River and Pathfinder Reservoir—Sec. 1-20-53 W.					
Measurements Made at Rating Flume					
10-11	Ivan W. Bauer	5.6	1.46	0.30	8.2
7- 8	J. P. Hansen	18.0	1.22	.94	22.0
7-14	do	35.0	1.70	1.90	59.5
7-20	do	35.1	1.90	1.91	66.9
7-28	do	16.2	2.23	.82	37.7
8- 3	do	25.2	1.79	1.40	45.2
8-22	do	26.6	2.33	1.41	61.8
8-25	do	28.4	2.35	1.51	66.8
9- 1	do	21.2	2.46	1.15	52.2
9-14	do	8.8	2.40	.46	21.2
9-22	do	14.2	1.04	.20	14.8
9-29	do	13.6	1.02	.20	13.8
CHIMNEY ROCK CANAL SPILL NO. 1					
Sec. 14-20-53 W.					
10-11	Ivan W. Bauer	1.4	0.79	0.78	1.1
8- 4	J. P. Hansen	3.1	1.66	1.52	5.1
8- 8	do	3.7	1.37	1.58	5.1
9- 1	do	3.4	1.25	1.43	4.3
9-22	do	2.2	1.09	1.25	2.4
CHIMNEY ROCK CANAL SPILL NO. 2					
Sec. 18-20-51 W.					
10-11	Ivan W. Bauer	8.8	0.75	1.28	6.6
8- 8	J. P. Hansen	2.0	1.50	.94	3.0
9- 1	do	2.2	1.00	.79	1.2
9-22	do	5.1	.46	1.15	2.4
CHRISTENSEN CANAL, NORTH—D-367					
Diverted from Lodgepole Creek—Sec. 7-14-51 W.					
Measurements Made at Headgate					
4-23	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.01
6-24	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	CHRISTENSEN CANAL, SOUTH—D-366				
	Diverted from Lodgepole Creek—Sec. 7-14-51 W.				
	Measurements Made at Headgate				
4-23	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.2
9- 3	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
	CIRCLE ARROW CANAL—D-346				
	Diverted from Lodgepole Creek—Sec. 30-15-54 W.				
	Measurements Made at Headgate				
4-24	Hilpert-Hanna	.....	.....	.....	0.0
6- 6	A. C. Hilpert	1.5	0.42	0.46	6.0
6-25	do	.7	.96	.12	.7
7-15	do	.....	.....	.....	.0
8- 1	do	.....	.....	.....	.0
8-15	Hilpert-Hanna	.....	.....	.....	.0
9- 3	A. C. Hilpert	1.9	2.04	.59	4.1
9-16	do	2.0	2.79	.66	5.6
	CLEAR CREEK CANAL—D-748				
	Diverted from Clear Creek—Sec. 32-16-41 W.				
	Measurements Made at Rating Flume				
6- 3	E. S. Kimmel	.....	.....	.....	0.0
7-24	do	.....	.....	.....	.0
7-15	do	1.8	1.03	0.40	1.8
7-27	do	.....	.....	.....	.0
8-11	do	3.1	1.10	.54	3.4
8-25	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
	CODY-DILLON CANAL—D-649				
	Diverted from North Platte River—Sec. 9-14-31 W.				
	Measurements Made at 10-foot Cipolletti Weir				
10- 8	Melvin Kleen	6.2	0.69	0.32	4.3
10-18	do	.....	.....	.....	.0
4- 3	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		CODY-DILLON CANAL—Concluded			
5-15	Melvin Kleen	0.3	.....	0.08	0.1
6- 2	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
6-19	do	14.8	.91	.52	13.4
7- 1	do	6.6	.80	.30	5.3
7-22	do	30.8	1.20	1.06	39.7
7-29	do	21.6	1.21	.78	26.1
8- 3	do	18.2	1.00	.63	18.2
8-14	do	15.3	1.04	.59	15.9
8-21	do	18.2	1.10	.71	20.1
8-26	do	19.6	1.25	.77	24.5
9-10	do	.....	.....	.....	.0
9-26	do	15.8	.86	.54	13.5
		COFFEE CANAL, EAST—D-512			
		Diverted from Hat Creek—Sec. 26-33-55 W.			
		Measurements Made at Headgate			
11-17	Ivan W. Bauer	1.8	0.33	.....	0.6
3- 9	A. C. Hilpert	.....	.....	.....	.0
4-14	Hilpert-Rasmussen	1.5	.93	.....	1.4
5-27	do	.....	.....	.....	.0
6-16	A. C. Hilpert	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
		COFFEE CANAL, WEST—D-512			
		Diverted from Hat Creek—Sec. 26-33-55 W.			
		Measurements Made at Headgate			
11-17	Ivan W. Bauer	2.0	0.95	.....	1.9
2-20	Hilpert-Rasmussen	.....	.....	.....	.0
3- 9	A. C. Hilpert	.....	.....	.....	.0
4-14	Hilpert-Rasmussen	.....	.....	.....	.0
5-27	do	.....	.....	.....	.0
6-16	A. C. Hilpert	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
COFFEE AND SON FLOOD CANAL—A-1236					
Diverted from Hat Creek—Sec. 14-33-55 W.					
Measurements Made at Headgate					
3- 9	A. C. Hilpert	.....	.....	.....	0.0
COLD WATER CANAL—D-796					
Diverted from Cold Water Creek—Sec. 26-18-46 W.					
Measurements Made into Lisco and North River Canal					
10-22	J. P. Hansen	5.4	0.48	.....	2.6
11- 1	do	2.1	1.35	.....	2.8
11- 7	do	2.3	1.13	.....	2.6
11-17	do	2.4	1.20	.....	2.9
4-13	E. S. Kimmel	2.8	1.40	.....	3.9
4-20	do	3.2	1.14	.....	3.7
4-28	do	3.2	1.08	.....	3.5
5- 4	do	3.4	1.29	.....	4.4
5-18	do	3.3	1.21	.....	4.0
6- 5	do	3.2	1.09	.....	3.5
6-20	do	3.1	1.16	.....	3.6
7-14	do	3.0	1.13	.....	3.4
7-24	do	2.6	1.30	.....	3.4
8- 7	do	2.8	1.07	.....	3.0
9-18	do	2.9	1.31	.....	3.8
COLE PROJECT DAM NO. 1—A-2254					
Diverted from Bear Creek—Sec. 14-34-37 W.					
Measurements Made at Headgate					
3-12	A. C. Hilpert	.....	.....	.....	0.0
4- 8	do	6.4	1.20	.....	7.7
5- 4	do	.....	.....	.....	.0
5-21	do	.....	.....	.....	.0
6-12	do	.....	.....	.....	.0
7- 1	do	.....	.....	.....	.0
7-27	do	.....	.....	.....	.0
8-12	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
9-28	do	.....	.....	.....	.0
COLUMBUS POWER CANAL—A-2287					
Diverted from Loup River—Sec. 6-16-4 W.					
Measurements Made ¼ Mile below Weir—Sec. 28-17-4 W.					
3-23	W. L. Phillips	1050	1.80	2.62	1880
4- 7	do	1110	1.98	2.93	2200
4-14	do	1010	1.88	2.65	1890

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	COLUMBUS POWER CANAL— Concluded				
4-20	C. V. Burns	1190	1.69	2.64	2010
4-28	W. L. Phillips	1020	1.72	2.54	1740
5- 8	do	992	1.58	2.41	1570
5-11	C. V. Burns	1010	1.79	2.68	1810
5-18	W. L. Phillips	1060	1.91	2.86	2030
5-25	do	989	1.86	2.68	1840
6- 1	do	1210	2.56	3.62	3100
6- 2	C. H. Carstens	1160	2.30	3.46	2680
6- 8	W. L. Phillips	1020	1.90	2.74	1940
6-15	do	964	1.53	2.24	1480
6-23	C. V. Burns	1240	2.32	3.56	2880
6-30	W. L. Phillips	1184	2.37	3.42	2800
7- 6	do	994	1.67	2.47	1660
7-14	C. V. Burns	915	1.30	1.93	1190
7-20	W. L. Phillips	867	.95	1.57	826
7-27	do	860	.76	1.42	658
8- 3	C. V. Burns	863	.90	3.18	775
8-12	W. L. Phillips	969	1.61	2.32	1560
8-18	do	928	1.38	2.05	1280
8-24	C. V. Burns	871	1.05	1.64	915
9-22	do	1010	1.67	2.46	1690
9-22	Loup River Power Co.	966	1.68	2.40	1630
9-29	do	968	1.61	2.25	1560
	CONNELL CANAL—A-459				
	Diverted from Ash Creek—Sec. 6-32-50 W.				
	Measurements Made at Headgate				
4-11	Hilpert-Rasmussen	.....	.....	.....	0.0
	COOK CANALS, NO. 1 AND NO. 2—D-980				
	Diverted from Niobrara River—Sec. 1-28-56 W.				
	Measurements Made at Headgate				
4-15	Hilpert-Rasmussen	.....	.....	.....	0.0
5-29	A. C. Hilpert	3.0	0.39	.....	1.2
6-17	do	1.6	.58	.....	.9
7- 2	do	.....	.....	.....	.2
7-20	do	4.2	.26	1.08	1.1
8- 6	do	3.1	.64	1.04	2.0
9-10	do	3.2	.86	1.00	2.8
9-23	do	2.2	.64	.80	1.4
	COOPER CANAL—A-333				
	Diverted from Squaw Creek—Sec. 36-32-52 W.				
	Measurements Made at Headgate				
4-11	Hilpert-Rasmussen	0.40	0.50	.....	0.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		COOPER CANAL, EAST—A-42			
		Diverted from White Clay Creek—Sec. 2-31-52 W.			
		Measurements Made at Headgate			
4-11	Hilpert-Rasmussen	.....	.....	.....	0.0
		COOPER SUPPLY CANAL—A-2063			
		Diverted from White Clay Creek—Sec. 2-31-52 W.			
		Measurements Made at Headgate			
4-11	Hilpert-Rasmussen	1.3	0.63	.....	0.8
		COURT HOUSE ROCK CANAL—D-840, D-1028, A-851			
		Diverted from Pumpkinseed Creek—Sec. 30-19-50 W.			
		Measurements Made at Rating Flume			
10-10	J. P. Hansen	11.30	1.12	1.25	12.6
10-20	do	11.30	1.10	1.27	12.4
10-28	do	1.08	1.10	1.25	11.9
11- 3	do	1.17	1.14	1.28	13.4
4-20	A. C. Hilpert	8.45	2.37	1.00	20.0
5- 9	do	.....	.....	.....	.0
6- 3	do	12.90	1.31	1.46	16.9
6-15	E. S. Kimmel	16.43	.57	1.86	9.5
6-19	A. C. Hilpert	16.65	.47	1.90	7.8
7-10	do	.....	.....	.....	.0
7-16	do	10.45	1.65	1.20	17.3
7-29	do	10.55	1.86	1.21	19.6
8-14	do	12.35	1.47	1.42	18.2
9- 2	do	14.55	1.14	1.49	16.6
9-15	do	13.45	1.10	1.53	14.8
9-30	do	14.20	1.11	1.60	15.8
		COZAD CANAL—D-626, A-2050, A-2056			
		Diverted from Platte River and Sutherland Reservoirs—Sec. 16-11-25 W.			
		Measurements Made at Rating Flume—Sec. 13-11-25 W.			
10- 9	Melvin Kleen	28.2	0.89	0.87	25.1
10-15	do	20.2	1.09	.73	22.0
10-24	do	14.6	1.10	.55	16.0
11- 4	do	19.2	1.08	.63	20.7
11-19	do	31.9	1.29	1.00	41.3
12- 2	do	27.8	1.30	.88	36.2
4-17	do	.....	.....	.04	.3
5-21	do	.....	.....	.09	1.0
6-10	do	30.4	.77	.89	23.3
6-16	do	36.0	.84	1.04	30.4

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		COZAD CANAL—Concluded			
7-13	Melvin Kleen	78.1	1.02	2.26	79.3
7-20	do	127.8	1.40	3.66	183.2
7-28	do	117.0	1.50	3.33	175.0
7-25	do	131.4	1.46	3.54	191.3
8- 4	do	102.6	1.50	2.95	150.5
8-10	do	83.4	1.30	2.39	110.0
8-20	do	64.4	1.10	1.86	72.6
8-27	do	73.9	1.04	2.11	77.2
9-11	do	1.8	.70	.06	1.2
9-17	do	1.0	.70	.04	.7
		COZAD CANAL SPILL			
		Into Dawson County Canal—Sec. 6-10-22 W.			
10-10	Melvin Kleen	7.2	2.35	1.22	16.9
10-23	do	5.0	2.02	.95	10.1
7-15	do	4.0	.78	.48	3.1
7-24	do	3.2	.62	.40	2.0
7-31	do	2.0	.80	.33	1.5
8- 8	do	8.6	1.80	1.19	15.8
8-18	do	17.0	2.60	2.33	44.6
8-24	do	13.5	2.30	1.70	31.6
9- 1	do	6.0	1.20	.70	7.3
9-15	do	1.8	1.20	.41	2.2
9-22	do	.....	.....	.....	.0
		CREWS CANAL—D-1025R, Petition 241			
		Diverted from North Fork Republican River—Sec. 21-1-41 W.			
		Measurements Made at Headgate			
4-16	D. B. Ender	.....	.....	.....	0.0
4-29	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
5-28	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-23	do	2.7	1.69	.....	4.5
8- 6	do	.....	.....	.....	.0
8-19	do	5.6	.95	.....	5.3
9-11	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
		CREWS CANALS, NO 2 AND NO. 3—A-1709, A-1826			
		Diverted from North Fork Republican River—Sec. 20-1-41 W.			
		Measurements Made at Headgate			
4-16	D. B. Ender	.....	.....	.....	0.0
4-29	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	CREWS CANALS, NO. 2 AND NO. 3—Concluded				
5-14	D. B. Ender	———	———	———	0.0
5-28	do	2.0	1.27	———	2.5
6-18	do	———	———	———	.0
7-23	do	———	———	———	.0
8- 6	do	3.0	1.37	———	5.0
8-19	do	———	———	———	.0
9-11	do	———	———	———	.0
9-25	do	———	———	———	.0
	CRIGLER CANAL—D-861, A-486				
	Diverted from Lawrence Fork—Sec. 1-18-52				
	Measurements Made at Headgate				
4-20	A. C. Hilpert	1.7	0.65	———	1.1
5-14	do	———	———	———	.2
6-19	do	———	———	———	.0
7-10	do	.4	1.00	———	.4
7-15	J. P. Hansen	.3	.94	———	.3
7-21	do	3.4	1.66	———	5.6
7-29	A. C. Hilpert	———	———	———	.1
8-14	do	———	———	———	.0
9- 2	do	1.3	1.15	———	1.5
9-15	do	1.7	1.28	———	2.2
9-30	do	2.5	1.86	———	4.6
	CRIPPS CANAL—A-735, A-835				
	Diverted from Ash Creek—Sec. 13-32-51 W.				
	Measurements Made at Headgate				
4-11	Hilpert-Rasmussen	———	———	———	0.0
	CRIPPS PUMP—A-2571				
	Diverted from Cripps Reservoir—A-2481—Sec. 12-32-51 W.				
	Measurements Made at Pump Site				
4-11	Hilpert-Rasmussen	———	———	———	0.0
5-23	A. C. Hilpert	———	———	———	.0
6-18	do	———	———	———	.0
	CULBERTSON CANAL—D-24, D-25, D-29, D-30				
	Diverted from Frenchman River and Stinking Water Creek—Sec. 31-5-33 W.				
	Measurements Made at Rating Flume				
10-24	D. B. Ender	28.9	1.36	2.25	39.4
11- 8	do	———	———	———	.0
11-22	do	———	———	———	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		CULBERTSON CANAL—Concluded			
4-17	D. B. Ender	.....	.....	.....	0.0
5- 1	do	.....	.....	.....	.0
5-22	do	11.0	1.10	1.38	12.1
6- 4	do	16.2	.99	1.57	16.0
7- 1	do	12.2	1.07	1.67	13.1
7-10	do	25.8	1.23	2.19	31.8
7-28	do	50.7	1.72	3.32	87.3
8-14	do	53.4	1.69	3.38	90.1
8-27	do	49.6	1.58	3.10	78.2
9-17	do	18.2	.90	1.63	16.3
		DAWSON COUNTY CANAL—D-621, D-622, D-624, A-2039, A-2093, A-2110, A-2145, A-2262			
		Diverted from Platte River and Sutherland Reservoir—Sec. 18-10-23 W.			
		Measurements Made at Rating Flume—Sec. 7-10-23 W.			
10- 7	Melvin Kleen	66.9	1.55	1.44	104.0
10-14	do	72.3	1.55	1.44	112.2
10-23	do	79.8	1.56	1.52	124.2
11- 4	do	.....	.....	.16	.3
4-17	do	.....	.....	.....	.9
5-14	do	.....	.....	.19	.7
5-21	do	.....	.....	.07	.3
6- 4	do	.....	.....	.....	.0
6-17	do	.....	.....	.....	.3
6-30	do	1.2	.92	.13	1.1
7-17	do	13.2	.90	.43	11.9
7-24	do	127.6	1.78	2.33	228.0
7-28	do	178.5	1.97	3.08	353.0
8- 4	do	177.0	2.03	3.03	360.5
8-12	do	121.0	1.95	2.32	236.1
8-25	do	90.9	1.75	1.79	159.0
8-28	do	105.5	1.74	1.94	182.0
9- 9	do	48.8	1.19	1.06	57.8
9-17	do	25.8	.65	.62	16.9
9-24	do	11.5	.66	.45	7.6
		DAWSON COUNTY CANAL SPILL Into French Creek—Sec. 1-10-22 W.			
10-10	Melvin Kleen	5.7	1.84	1.30	10.5
10-23	do	16.8	1.98	2.22	33.2
7-15	do	6.2	.61	.72	3.8
7-24	do	5.2	.50	.56	2.6
7-31	do	1.3	.77	.43	1.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		DAWSON COUNTY CANAL SPILL—Concluded			
8- 8	Melvin Kleen	.....	.....	0.44	1.1
8-18	do	20.9	1.64	2.81	34.4
8-24	do	9.2	1.84	1.46	16.9
9- 1	do	.8	.63	.36	.5
9-15	do	7.1	1.85	1.24	13.1
9-22	do	.6	.50	.32	.3
9-29	do	.....	.....	.30	.2
		DAWSON COUNTY CANAL SPILL			
		Into Elm Creek—Sec. 13-9-19 W.			
7-24	Melvin Kleen	.....	.....	.....	0.0
7-31	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-18	do	.....	.....	.....	.0
8-24	do	.....	.....	0.50	.1
9- 1	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0
		DEAN PUMP—A-2040			
		Diverted from Clear Creek—Sec. 22-16-17 W.			
		Measurements Made at Pump Site			
8-26	D. E. Olson	.....	.....	.....	0.0
		DELAWARE-HICKMAN CANAL—D-157			
		Diverted from Republican River—Sec. 17-1-34 W.			
		Measurements Made at Headgate			
4- 3	D. B. Ender	.....	.....	.....	0.0
6-19	do	.....	.....	.....	.0
7-24	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9-12	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
		DICKINSON CANAL—D-967			
		Diverted from Lodgepole Creek—Sec. 33-14-47 W.			
		Measurements Made at Headgate			
6- 5	A. C. Hilpert	.....	.....	.....	0.0
6-23	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	DICKINSON CANAL—D-969				
	Diverted from Lodgepole Creek—Sec. 26-14-47 W.				
	Measurements Made at Headgate				
4-26	A. C. Hilpert	----	----	----	0.0
6- 5	do	----	----	----	.0
6-23	do	----	----	----	.0
7-14	do	----	----	----	.0
7-30	do	----	----	----	.0
8-17	do	5.2	0.42	----	2.2
9- 4	do	----	----	----	.0
9-17	do	----	----	----	.0
	DIETRICH PUMP—A-2464				
	Diverted from Mud (Beaver) Creek—Sec. 4-12-15 W.				
	Measurements Made at Pump Site				
8-12	D. E. Olson	----	----	----	0.0
	DODD-McDOWELL RESERVOIR SUPPLY CANAL—A-1276				
	Diverted from Little Cottonwood Creek—Sec. 13-32-53 W.				
	Measurements Made near Headgate				
4-10	Hilpert-Rasmussen	----	----	----	0.1
	DORSETT-DUKE-AMSBERRY PUMP—A-2051				
	Diverted from Mud (Beaver) Creek—Sec. 31-15-17 W.				
	Measurements Made at Pump Site				
8-25	D. E. Olson	----	----	----	0.0
	DOUT CANAL NO. 1—A-2000				
	Diverted from Dout Reservoir No. 1—A-1999				
	Sec. 7-33-56 W.				
	Measurements Made at Headgate				
3- 9	A. C. Hilpert	----	----	----	0.0
4-14	Hilpert-Rasmussen	----	----	----	.0
5-27	do	1.5	1.14	----	1.7
6-16	A. C. Hilpert	2.1	.62	----	1.3
7- 7	do	.8	.36	----	.3
	DOUT BROTHERS CANAL—D-981				
	Diverted from Jim Creek—Sec. 7-33-56 W.				
	Measurements Made below Headgate				
3- 9	A. C. Hilpert	----	----	----	0.0
4-14	Hilpert-Rasmussen	----	----	----	.0
5-27	do	----	----	----	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		DOUT BROTHERS CANAL—Concluded			
6-16	A. C. Hilpert	.....	.....	.....	0.01
7- 7	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
		DROBNY PUMP—A-2995			
		Sec. 35-18-17 W.			
		Measurements Made at Pump Site			
8-11	D. E. Olson	.....	.....	.....	0.0
		DUNN CANAL—A-649			
		Diverted from Little Cottonwood Creek—Sec. 9-32-52 W.			
		Measurements Made near Headgate			
4-10	Hilpert-Rasmussen	.....	.....	.....	0.0
		EARNEST CANAL NO. 1—D-514a			
		Diverted from Niobrara River—Sec. 9-29-56 W.			
		Measurements Made at Headgate			
11-18	Ivan W. Bauer	8.2	0.73	.....	6.0
3- 7	Hilpert-Rasmussen	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
5-29	A. C. Hilpert	.....	.....	.....	.0
6-17	do	3.2	1.00	.....	3.2
7- 2	do	7.7	1.10	.....	8.5
7-20	do	.6	.48	.....	.3
8- 6	do	6.2	1.16	.....	7.2
8-25	do	2.6	.58	.....	1.5
9-10	do	5.7	.92	.....	5.2
9-23	do	5.8	.79	.....	4.6
		EARNEST CANAL NO. 2—D-514b			
		Diverted from Niobrara River—Sec. 9-29-56 W.			
		Measurements Made at Headgate			
3- 7	Hilpert-Rasmussen	.....	.....	.....	0.0
4-15	do	7.1	1.01	.....	7.2
5-29	A. C. Hilpert	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-20	do	7.4	.23	.....	1.7
8- 6	do	.....	.....	.....	.0
8-25	do	3.1	.58	.....	1.8
9-10	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		ELM CREEK CANAL—A-2104			
		Diverted from Platte River and Sutherland Reservoir—Sec. 6-8-19 W.			
		Measurements Made at Rating Flume—Sec. 33-9-19 W.			
10- 6	Melvin Kleen	12.2	0.59	0.25	7.2
10-13	do	14.6	.81	.31	11.8
10-21	do	14.0	.81	.32	11.3
10-27	do	13.6	.76	.30	10.3
11- 3	do	14.5	1.08	.38	15.6
11-20	do	11.8	.66	.26	7.8
12- 1	do	12.6	.84	.31	10.6
12-12	do	.....	.....	.02	.1
4-13	do	11.9	.92	.33	11.0
5-11	do	9.0	.42	.20	3.8
5-19	do	.....	.....	.06	.2
6-11	do	.....	.....	.....	.0
7- 7	do	.....	.....	.12	.3
7-15	do	12.5	.67	.30	8.4
7-24	do	.....	.....	.05	.2
7-31	do	26.0	1.38	1.28	36.1
8- 7	do	55.9	1.14	2.75	63.5
8-17	do	54.0	1.28	2.69	69.2
8-24	do	14.5	.94	.36	13.6
9- 1	do	38.9	1.38	1.94	53.6
9-14	do	.....	.....	.13	.3
9-21	do	.....	.....	.....	.0
		EMPIRE CANAL—D-858, A-866			
		Diverted from North Platte River—Sec. 18-20-51 W.			
		Measurements Made at Rating Flume—Sec. 20-20-51 W.			
10-11	Ivan W. Bauer	.....	.....	.....	0.0
7-20	J. P. Hansen	.....	.....	0.22	.5
8- 3	do	.....	.....	.....	.5
8-11	do	4.4	0.66	.70	2.9
8-19	A. C. Hilpert	18.0	.81	2.04	14.6
8-24	J. P. Hansen	10.4	.72	1.22	7.5
9-21	do	2.2	1.18	.51	2.6
9-29	do	1.8	1.00	.46	1.8
		ENGLEMAN AND LEWIS PUMP—A-3025			
		Diverted from Mud (Beaver) Creek—Sec. 33-14-16 W.			
		Measurements Made at Pump Site			
8-25	D. E. Olson	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		ENTERPRISE CANAL—D-920			
		Diverted from North Platte River—Sec. 27-23-57 W.			
		Measurements Made at Rating Flume			
10-10	Ivan W. Bauer	17.0	3.06	0.59	52.1
5-22	J. P. Hansen	16.1	1.95	.50	31.5
5-28	do	19.1	1.98	.58	37.8
6- 4	do	18.0	2.09	.54	37.6
6-12	do	29.9	2.14	.93	64.1
6-17	do	32.5	2.17	.98	70.5
7-17	do	42.0	2.48	1.30	104.2
7-23	do	42.0	2.48	1.29	104.6
7-30	do	40.0	2.57	1.27	103.1
8- 7	do	39.4	2.72	1.29	107.5
8-13	do	37.4	2.52	1.20	94.3
8-19	do	42.0	2.50	1.32	105.2
8-27	do	37.4	2.41	1.18	90.5
9- 3	do	30.4	2.38	.98	72.4
9- 9	do	36.0	2.32	1.09	83.6
9-15	do	39.0	1.52	.79	59.3
9-25	do	27.2	2.10	.80	57.2
		ENTERPRISE CANAL—D-920			
		Diverted from Morrill Drain—Sec. 13-23-57 W.			
		Measurements Made above Intersection with Enterprise Canal			
10-10	Ivan W. Bauer	3.2	0.53	.....	1.7
11-28	J. P. Hansen	.....	.....	.....	.0
12-11	do	.....	.....	.....	.0
2- 3	do	.....	.....	.....	.0
2-18	do	.....	.....	.....	.0
4- 8	do	.....	.....	.....	.0
4-16	do	.....	.....	.....	.0
4-23	do	.....	.....	.....	.5
5- 4	do	.....	.....	.....	.3
5-22	do	.....	.....	.....	1.0
5-28	do	.....	.....	.....	.3
6- 4	do	2.0	.25	.....	.5
6-12	do	.....	.....	.....	1.0
6-18	do	.....	.....	.....	.0
7-31	do	3.5	.60	.....	2.1
8- 5	do	4.4	.64	.....	2.8
8-19	do	3.4	.85	.....	2.9
9-25	do	3.6	1.36	.....	4.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
ENTERPRISE CANAL—D-920					
Diverted from Stewart Drain—Sec. 13-23-57 W.					
Measurements Made above Intersection with Enterprise Canal					
10-10	Ivan W. Bauer	.....	.....	.....	0.5
11-28	J. P. Hansen	.....	.....	.....	.0
12-11	do	.....	.....	.....	.5
2- 3	do	.....	.....	.....	.2
2-18	do	.....	.....	.....	.0
4- 8	do	.....	.....	.....	.0
4-16	do	.....	.....	.....	.0
4-23	do	.....	.....	.....	.0
5- 4	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
5-28	do	.....	.....	.....	.0
6- 4	do	.....	.....	.....	.0
6-12	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-31	do	1.9	1.32	.....	2.5
8- 5	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9-25	do	2.6	.96	.....	2.5
ENTERPRISE CANAL—D-920					
Diverted from Dry Spotted Tail Creek—Sec. 21-23-56 W.					
Measurements Made above Intersection with Enterprise Canal					
6- 4	J. P. Hansen	.....	.....	.....	0.0
6-16	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0
ENTERPRISE CANAL—D-920					
Diverted from Wet Spotted Tail Creek—Sec. 22-23-56 W.					
Measurements Made above Intersection with Enterprise Canal					
6- 4	J. P. Hansen	6.9	0.90	.....	6.2
6-12	do	5.8	.96	.....	5.6
6-16	do	4.1	1.17	.....	4.8
7-22	do	4.9	2.57	.....	12.6
8- 5	do	4.7	2.72	.....	12.8
8-19	do	5.2	2.64	.....	13.7
8-28	do	4.5	2.91	.....	13.1
9- 3	do	5.1	3.17	.....	16.2
9-24	do	7.2	1.40	.....	10.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	ENTERPRISE CANAL—D-920 (O. D. A-2409)				
	Diverted from Winters Creek—Sec. 8-22-54 W.				
	Measurements Made at Rating Flume				
6-11	J. P. Hansen	3.0	1.90	1.79	5.7
6-19	do	2.9	1.96	1.88	5.7
7-22	do	3.6	1.44	2.18	5.2
8- 5	do	3.6	1.53	2.12	5.5
8-18	do	2.4	.83	1.83	2.0
9- 2	do	5.1	1.33	2.67	6.8
9-20	do	3.0	1.16	2.10	3.5
9-30	do	.....	.....	1.35	.2
	ENTERPRISE CANAL SPILL				
	Into Winters Creek—Sec. 17-22-54 W.				
5-26	J. P. Hansen	3.2	3.43	0.72	11.0
6- 3	do	4.4	3.70	.90	16.3
6-11	do	3.3	3.57	.78	11.8
6-19	do	3.3	2.86	.64	9.4
7-22	do	7.0	4.70	1.35	33.0
8- 5	do	5.4	4.31	1.10	23.3
8-19	do	1.9	2.16	.46	4.1
8-28	do	.....	.....	.....	.0
9- 2	do	2.2	2.54	.57	5.6
9-23	do	6.7	4.64	1.30	31.1
9-30	do	.....	.....	.....	.0
	EXCELSIOR CANAL—D-568, A-2264				
	Diverted from Niobrara River—Sec. 10-28-52 W.				
	Measurements Made at Headgate				
4-15	Hilpert-Rasmussen	.....	.....	.....	0.0
5-29	A. C. Hilpert	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
7- 3	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
	FARMERS CANAL—D-10				
	Diverted from Frenchman River—Sec. 11-3-32 W.				
	Measurements Made at Headgate				
4-17	D. B. Ender	.....	.....	.....	0.0
5- 1	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6- 4	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		FARMERS CANAL—Concluded			
7- 1	D. B. Ender				0.0
7-10	do				.0
7-28	do				.0
8-14	do				.0
8-27	do				.0
9-17	do				.0
		FISHER ESTATE PUMP—A-3128			
		Diverted from Mud (Beaver) Creek—Sec. 34-13-15 W.			
		Measurements Made at Pump Site			
8-12	D. E. Olson				0.0
		FOLLETT-KROTTER CANAL—A-705, A-720, A-975, A-2294, A-2805			
		Diverted from Frenchman River—Sec. 35-5-34 W.			
		Measurements Made at Rating Flume			
4-17	D. B. Ender				0.0
5- 1	do				.0
5-23	do	11.4	1.34		15.3
6- 4	do	11.2	1.21		13.6
7- 1	do				.0
7-11	do	9.5	1.05		10.0
7-28	do				.0
8-14	do	13.4	1.09		14.6
8-27	do	7.6	.97		7.4
9-17	do				.0
		FORBES CANAL NO. 1—A-663			
		Diverted from Spring Creek—Sec. 20-32-52 W.			
		Measurements Made at Headgate			
4-10	Hilpert-Rasmussen				0.0
		FURMAN CANAL, NORTH—D-462			
		Diverted from Niobrara River—Sec. 29-29-50 W.			
		Measurements Made at Headgate			
10-16	K. S. Essex	9.30	1.29		12.0
11-20	Ivan W. Bauer	7.60	1.25	1.07	9.5
4-15	Hilpert-Rasmussen	1.00	.60		.6
5-29	A. C. Hilpert	1.30	1.46	.17	1.9
6-15	do	.50	1.20		.6
7- 3	do				.0
7-22	do				.0
8- 7	do				.0
8-26	do				.0
9-10	do				.0
9-24	do				.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		FURMAN CANAL, SOUTH—D-462			
		Diverted from Niobrara River—Sec. 29-29-50 W.			
		Measurements Made at Headgate			
10-16	K. S. Essex				1.0
4-15	Hilpert-Rasmussen				.0
5-29	A. C. Hilpert				.0
6-15	do				.0
7- 3	do				.0
7-22	do				.0
8- 7	do				.0
8-26	do				.0
9-10	do				.0
9-24	do				.0
		GALLUP CANAL—D-426			
		Diverted from Chadron Creek—Sec. 15-33-49 W.			
		Measurements Made at Headgate			
4- 4	Hilpert-Rasmussen				0.0
4-29	A. C. Hilpert				.0
5-23	do				.0
6- 9	do				.0
7-17	do				.0
8- 4	do				.0
8-21	do				.0
9- 8	do				.0
9-21	do				.0
		GERING CANAL—A-365			
		Diverted from North Platte River and Pathfinder Reservoir—Sec. 4-23-58 W.			
		Measurements Made at 15-foot Parshall Flume			
6- 5	J. P. Hansen	33.4	4.36	1.70	145.7
6-13	do	27.6	3.96	1.37	99.3
6-17	do	27.6	3.55	1.35	98.0
7-17	do	36.1	4.20	1.80	151.9
7-29	do	36.1	4.28	1.82	154.5
8- 7	do	32.3	3.99	1.59	129.0
8-12	do	32.3	3.95	1.58	127.8
8-20	do	31.3	3.95	1.60	123.9
8-26	do	32.3	3.98	1.60	129.4
9- 4	do	32.3	3.91	1.60	126.9
9- 8	do	28.5	3.63	1.47	103.5
		GERING CANAL SPILL			
		Melbeta—Sec. 14-21-54 W.			
6-20	J. P. Hansen	9.2	1.34	1.78	12.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		GLASS PUMP—A-2973			
		Diverted from Mud (Beaver) Creek—Sec. 1-13-16 W.			
		Measurements Made at Pump Site			
8-12	D. E. Olson	.....	.....	.....	0.0
		GOCHNAUER CANAL—A-2420			
		Diverted from Big Bordeaux Creek—Sec. 10-33-48 W.			
		Measurements Made at Headgate			
4- 4	Hilpert-Rasmussen	.....	.....	.....	0.0
8-21	A. C. Hilpert	.....	.....	.....	.0
		GOTHENBURG DIVERSION CANAL—D-645a, D-645b			
		Diverted from Platte River—Sec. 29-12-26 W.			
		Measurements Made at Parshall Flume—Sec. 28-12-26 W.			
10-15	Melvin Kleen	121.0	1.70	2.10	206.0
10-30	do	64.7	3.70	2.12	240.4
11-12	do	.....	.....	.....	.0
11-19	do	54.9	3.24	1.80	178.3
12- 2	do	55.3	3.24	1.79	179.2
12-16	do	48.4	2.95	1.56	143.1
1-17	do	54.5	3.01	2.53	164.2
2- 5	Bauer-Hilpert	49.8	3.00	1.58	150.3
2-21	Melvin Kleen	42.7	2.45	1.45	104.6
2-26	do	62.3	1.22	2.20	76.2
3- 5	do	54.8	3.26	1.82	179.0
3-20	do	48.6	3.00	1.59	145.6
4- 2	do	53.8	3.22	1.70	173.6
5-14	do	55.4	3.32	1.84	184.2
6-16	do	59.6	3.29	1.95	196.3
7-13	do	62.5	3.47	2.03	217.0
7-25	do	84.9	4.31	2.76	366.5
8-10	do	85.2	4.18	2.79	356.5
8-20	do	80.8	4.04	2.63	327.0
9-12	do	37.5	2.36	1.26	88.3
9-17	do	34.5	2.08	1.16	71.6
		GOTHENBURG IRRIGATION CANAL—D-645b			
		Diverted from Platte River and Sutherland Reservoir—Sec. 29-12-26 W.			
		Measurements Made at Rating Flume—Sec. 3-11-25 W.			
10- 9	Melvin Kleen	32.2	0.75	1.45	24.1
10-15	do	30.8	1.09	1.61	33.7
10-24	do	54.8	1.31	2.15	71.6
10-31	do	39.0	1.19	1.78	46.5
4-17	do	.....	.....	.....	.1
5-21	do	.....	.....	.....	.3

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		GOTHENBURG IRRIGATION CANAL—Concluded			
6-10	Melvin Kleen	22.8	1.44	1.00	32.9
7-13	do	47.2	1.45	1.99	68.6
7-20	do	76.8	1.63	2.78	125.3
7-25	do	78.4	1.82	2.95	142.2
7-28	do	77.3	1.86	2.88	143.5
8-10	do	126.8	1.67	3.86	212.0
8-20	do	133.5	1.56	2.71	133.5
8-27	do	48.9	1.19	1.96	58.3
9-11	do	35.4	.48	1.62	17.0
9-17	do	44.4	.43	1.96	19.0
		GOTHENBURG POWER RETURN			
		Gothenburg—Section 9-11-25 W.			
10-15	Melvin Kleen	86.1	1.92	3.50	165.7
10-30	do	83.9	1.97	3.43	165.4
11-12	do	4.2	.33	1.15	1.4
11-19	do	83.2	2.06	3.44	171.1
12- 2	do	79.0	1.83	3.25	144.6
12-13	do	31.8	1.62	2.17	51.4
1-16	do	82.5	2.00	3.50	165.3
2- 5	Bauer-Hilpert	74.3	1.68	3.18	124.9
2-21	Melvin Kleen	53.6	1.82	2.75	97.5
2-26	do	30.4	1.58	2.06	48.2
3- 5	do	77.2	1.91	3.37	148.4
3-20	do	68.7	1.82	3.21	125.1
4-17	do	41.7	1.37	2.50	57.3
5- 4	do	72.4	1.84	3.33	133.4
5-14	do	70.1	1.87	3.35	131.0
5-21	do	75.9	1.84	3.46	139.4
6-10	do	76.3	1.88	3.41	143.2
6-30	do	79.4	1.88	3.54	149.3
7-20	do	78.8	2.02	3.48	148.7
7-25	do	80.1	1.95	3.56	156.4
8-10	do	71.2	1.85	3.30	131.2
8-20	do	80.0	1.99	3.52	159.5
8-27	do	78.6	1.98	3.53	156.5
9-11	do	41.6	1.65	2.59	68.7
9-17	do	27.8	1.46	2.11	40.5
		GOTHENBURG TAIL SPILL			
		Into Buffalo Creek—Sec. 8-11-22 W.			
10-10	Melvin Kleen	.....	.....	0.05	0.3
10-23	do	3.6	0.55	.22	2.0
7-15	do	10.4	1.38	.58	14.4
7-24	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		GOTHENBURG TAIL SPILL—Concluded			
8-18	Melvin Kleen	12.0	1.27	0.66	15.3
8-24	do	11.0	1.17	.60	12.9
9- 1	do	6.2	.69	.28	4.3
9-15	do	.....	.....	.01	.2
9-29	do	12.3	1.29	.64	15.9
		GRAF CANAL—D-763R, D-781R, D-788			
		Diverted from Blue Creek and Crescent Lake, A-1575—Sec. 19-16-42 W.			
		Measurements Made at Rating Flume			
10-21	J. P. Hansen	8.5	1.08	1.08	9.2
10-28	do	.....	.....	.....	.0
11- 7	do	.....	.....	.34	1.5
4- 4	Melvin Kleen	.....	.....	.....	.0
4-21	E. S. Kimmel	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7-14	do	12.9	.54	1.70	7.0
7-23	do	15.3	.74	1.60	11.3
7-28	do	16.8	.93	1.85	15.6
8- 3	do	18.0	1.09	1.98	19.7
8-10	do	17.4	1.23	1.95	21.5
8-17	do	18.8	1.31	2.12	24.6
8-24	do	15.2	1.32	1.82	20.9
8-31	do	15.8	1.43	1.90	22.6
9- 8	do	12.7	1.23	1.59	15.6
9-14	do	15.1	1.37	1.82	20.2
9-21	do	14.2	1.31	1.72	18.6
9-29	do	9.2	.85	1.26	7.8
		GROTE CANAL—A-3451			
		Diverted from Grote Reservoir, A-3172—Sec. 3-32-56 W.			
		Measurements Made at Headgate			
4-13	Hilpert-Rasmussen	0.2	0.65	.....	0.13
5-27	do	.....	.....	.....	.0
7-21	A. C. Hilpert	.....	.....	.....	.0
		GUNDERSON CANAL—D-305			
		Diverted from Lodgepole Creek—Sec. 1-14-52 W.			
		Measurements Made at Headgate			
4-23	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		GUNDERSON CANAL—Concluded			
7-31	do				.0
8-17	do				.0
9- 3	do				.0
9-16	do				.0
		HAGEMAN CANAL—A-2046			
		Diverted from White River—Sec. 26-33-50 W.			
		Measurements Made at Headgate			
4-11	Hilpert-Rasmussen				0.0
		HAIGLER CANAL—D-1025			
		Diverted from Republican River—Sec. 2-1-43 W.			
		Measurements Made at Headgate			
4- 3	D. B. Ender				1.5
4-17	do				.0
4-29	do				.0
5-14	do				.0
5-28	do	29.4	1.73		50.7
6-18	do	10.4	.87	3.54	9.1
7-23	do	22.7	1.77	5.79	40.0
8- 6	do	24.2	1.71	5.94	41.4
8-19	do	21.8	1.60		34.8
9-11	do	16.5	1.54		25.4
9-25	do	12.9	1.49		19.2
		HALL CANAL—D-478c			
		Diverted from White River—Sec. 34-32-52 W.			
		Measurements Made at Headgate			
10-15	K. S. Essex	5.1	1.65		8.4
3- 6	Hilpert-Rasmussen				.0
4-10	do				.0
5-23	A. C. Hilpert				.0
6- 9	do				.0
7- 6	do				.0
7-17	do				.0
8- 4	do				.0
8-21	do				.0
9- 8	do				.0
9-21	do				.0
		HALL PUMP—A-2792			
		Diverted from Mud (Beaver) Creek—Sec. 15-15-18 W.			
		Measurements Made at Pump Site			
8-25	D. E. Olson				0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		HALLER PUMP—A-2423			
		Diverted from Mud (Beaver) Creek—Sec. 19-14-16 W.			
		Measurements Made at Pump Site			
8-25	D. E. Olson	.....	.....	.....	0.0
		HALLOWAY-PHELPS CANAL—D-717			
		Diverted from White Tail Creek—Sec. 36-15-38 W.			
		Measurements Made below Diversion Dam			
4-22	E. S. Kimmel	.....	.....	.....	0.0
7-15	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
		HARPER CANAL—A-2316			
		Diverted from Clear Creek—Sec. 32-16-41 W.			
		Measurements Made at Headgate			
4-22	E. S. Kimmel	.....	.....	.....	0.0
4-29	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
8-11	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
		HARRIS-COOPER SUPPLY CANAL—A-1122			
		Diverted from White River—Sec. 26-32-52 W.			
		Measurements Made at Headgate			
4-10	Hilpert-Rasmussen	.....	.....	.....	0.0
5-23	A. C. Hilpert	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
		HARRIS-COOPER CANAL—D-464a, D-464b			
		Diverted from White River—Sec. 26-32-52 W.			
		Measurements Made at Headgate			
10-15	K. S. Essex	.....	.....	.....	0.0
4-10	Hilpert-Rasmussen	.....	.....	.....	.0
5-23	A. C. Hilpert	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
7-18	do	0.9	0.67	.....	.6
8- 7	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 8	do	7.8	1.18	.....	9.2
9-21	do	.6	.67	.....	.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	HARRIS-NEECE CANAL—D-517, A-2275				
	Diverted from Niobrara River—Sec. 3-28-55 W.				
	Measurements Made at Headgate				
11-20	Ivan W. Bauer	.....	.....	.....	0.0
3- 7	Hilpert-Rasmussen	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
5-29	A. C. Hilpert	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
7- 2	do	8.4	1.00	1.25	8.4
7-20	do	10.1	1.47	1.55	14.8
8- 6	do	10.8	1.09	1.65	11.8
8-25	do	10.2	.95	1.65	9.7
9-10	do	10.4	1.14	1.72	11.9
9-23	do	11.0	1.00	1.71	11.1
	HARTZELL CANAL—D-448				
	Diverted from Little Bordeaux Creek—Sec. 13-33-48 W.				
	Measurements Made at Headgate				
3- 4	A. C. Hilpert	.....	.....	.....	0.0
4- 3	do	.....	.....	.....	.0
4-29	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
6-27	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0
	HAT CREEK CANAL, WEST—D-553a				
	Diverted from Hat Creek—Sec. 16-32-55 W.				
	Measurements Made below Headgate				
4-14	Hilpert-Rasmussen	0.6	0.83	.....	0.5
5-27	do	.....	.....	.....	.0
8-24	A. C. Hilpert	.....	.....	.....	.0
	HEAPY, ALBERT, PUMP—A-3004				
	Diverted from Clear Creek—Sec. 10-14-16 W.				
	Measurements Made at Pump Site				
8-25	D. E. Olson	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		HEARD CANAL NO. 1—D-916			
		Diverted from Pumpkinseed Creek—Sec. 14-19-54 W.			
		Measurements Made at Headgate			
4-21	A. C. Hilpert				0.0
5-14	do				.0
6-20	do				.0
7-11	do				.0
7-29	do				.0
8-14	do				.0
9- 2	do				.0
9-15	do				.0
		HEARD CANAL NO. 2—D-916			
		Diverted from Pumpkinseed Creek—Sec. 14-19-54 W.			
		Measurements Made at Headgate			
4-21	A. C. Hilpert				0.0
5-14	do				.0
6-20	do				.0
7-11	do				.0
7-29	do				.0
8-14	do				.0
9- 2	do				.0
9-15	do				.0
		HIGH LINE CANAL—A-1682			
		Diverted from Jim Creek—Sec. 13-33-57 W.			
		Measurements Made at Headgate			
3- 9	A. C. Hilpert				0.0
4-14	Hilpert-Rasmussen				.0
5-27	do				.0
7- 7	A. C. Hilpert				.0
8- 5	do				.0
9-22	do				.0
		HITSHEW CANAL—A-2509, A-1260			
		Diverted from Niobrara River—Sec. 6-28-52 W.			
		Measurements Made at Headgate			
4-15	Hilpert-Rasmussen				0.0
5-29	A. C. Hilpert				.0
6-15	do				.0
7- 3	do				.0
7-20	do				.0
8- 6	do				.0
8-25	do				.0
9-10	do				.0
9-23	do				.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HOFFMEISTER RESERVOIR CANAL—A-2575					
Diverted from Hoffmeister Reservoir A-2570—Sec. 30-6-38 W.					
Measurements Made at Pump Site					
5-22	D. E. Ender	----	----	----	0.0
6- 5	do	----	----	----	.0
7-11	do	----	----	----	.0
7-28	do	----	----	----	.0
8-14	do	----	----	----	.0
8-27	do	----	----	----	.0
9-19	do	----	----	----	.0
HOLCOMBE CANAL, EAST—D-636					
Diverted from Pawnee Creek—Sec. 13-13-28 W.					
Measurements Made at Rating Flume					
10-10	Melvin Kleen	2.3	0.83	0.57	1.9
10-28	do	2.6	.84	.57	2.2
11- 7	do	1.2	.67	.26	.8
11-15	do	1.2	.75	.28	.9
12- 5	do	1.3	.69	.29	.9
4-15	do	----	----	----	.0
5-27	do	----	----	----	.0
6-16	do	----	----	----	.0
7- 9	do	----	----	----	.0
7-26	do	1.8	.61	.47	1.1
8- 6	do	----	----	----	.0
8-21	do	----	----	----	.0
HOLLINGSWORTH CANAL—D-723					
Diverted from South Platte River—Sec. 7-13-38 W.					
Measurements Made at Rating Station					
11-25	Melvin Kleen	----	----	----	0.0
8- 3	do	3.2	1.00	1.16	3.2
8-11	do	1.7	1.12	.68	1.9
8-27	E. S. Kimmel	17.8	.79	1.90	14.1
9- 3	do	5.0	.98	.95	4.9
9-25	do	4.6	.91	.93	4.2
HOOPER CANAL—D-781, D-788R					
Diverted from Blue Creek and Crescent Lake, A-1575—Sec. 6-16-42 W.					
Measurements Made at Rating Flume					
10-22	J. P. Hansen	----	----	1.75	3.0
4- 4	Melvin Kleen	----	----	----	.0
4-22	E. S. Kimmel	----	----	----	.0
6-16	do	6.0	1.41	1.18	8.5
6-23	do	1.9	.42	.36	.8

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		HOOPER CANAL—Concluded			
6-30	E. S. Kimmel	4.4	1.20	0.88	5.3
7-14	do	9.4	1.85	1.88	17.4
7-28	do	6.6	1.68	1.32	11.1
8- 3	do	8.4	1.48	1.48	12.4
8-10	do	7.9	1.75	1.60	13.8
8-17	do	7.2	1.68	1.48	12.1
8-24	do	7.2	1.71	1.49	12.3
8-31	do	6.9	1.65	1.41	11.4
9- 8	do	6.6	1.69	1.36	11.2
9-14	do	9.0	1.81	1.84	16.3
9-21	do	4.4	1.45	.91	6.4
9-29	do	9.2	.60	1.87	5.5
		HOOVER CANAL—D-353 Diverted from Lodgepole Creek—Sec. 12-14-59 W. Measurements Made at Headgate			
4-22	Hilpert-Hanna	.....	.....	.....	0.0
6- 6	A. C. Hilpert	3.0	0.87	.....	2.6
6-25	do	4.1	1.00	.....	4.1
7-15	do	2.8	1.03	.....	2.9
8- 1	do	.....	.....	.....	.0
8-15	Hilpert-Hanna	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
		HOPEFUL CANAL—A-2135 Diverted from Lawrence Fork—Sec. 1-18-52 W. Measurements Made at Headgate			
7-10	A. C. Hilpert	.....	.....	.....	0.0
7-29	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
9- 2	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	.0
		HOWARD CANAL—D-336, A-1645 Diverted from Lodgepole Creek—Sec. 31-14-47 W. Measurements Made at Headgate			
4-26	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		HUGHES PUMP—A-2929			
		Diverted from Shell Creek—Sec. 1-17-3 E.			
		Measurements Made at Pump Site			
9-22	D. E. Olson	.....	.....	.....	0.0
		HUGHES CANAL—D-987a, D-987b			
		Diverted from Niobrara River—Sec. 1-28-52 W.			
		Measurements Made at Headgate			
4-15	Hilpert-Rasmussen	.....	.....	.....	0.0
5-29	A. C. Hilpert	.....	.....	.....	.2
6-15	do	.....	.....	.....	.0
7- 3	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
		HURLEY-LILLY-POLLY CANAL—D-354			
		Diverted from Lodgepole Creek—Sec. 26-15-56 W.			
		Measurements Made at Rating Flume			
4-22	Hilpert-Hanna	.....	.....	.....	0.0
6- 6	A. C. Hilpert	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-15	do	2.7	0.96	0.36	2.6
8- 1	do	2.7	1.18	.36	3.2
8-15	Hilpert-Hanna	3.7	.78	.56	2.9
9- 3	do	3.0	.43	.65	1.3
9-16	A. C. Hilpert	.....	.....	.....	0.0
		INDEPENDENT CANAL—D-343			
		Diverted from Lodgepole Creek—Sec. 7-14-58 W.			
		Measurements Made at Headgate			
4-22	Hilpert-Hanna	.....	.....	.....	0.0
6- 6	A. C. Hilpert	4.8	0.54	.....	2.6
6-25	do	4.5	.67	.....	3.0
7-15	do	.....	.....	.....	.0
8- 1	do	.....	.....	.....	.0
8-15	Hilpert-Hanna	4.0	.37	.....	1.5
9- 3	do	3.0	.33	.....	1.0
9-16	A. C. Hilpert	2.6	.23	.....	.6

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	INMAN CANAL—D-79, A-436				
	Diverted from Frenchman River—Sec. 17-6-40 W.				
	Measurements Made at Rating Flume				
5- 9	D. B. Ender	.....	.....	.....	9.0
5-23	do	.....	.....	.....	.0
7-10	do	11.4	0.85	1.10	9.6
7-29	do	.....	.....	.....	.0
8-15	do	18.6	.75	.....	14.0
8-26	do	13.7	.59	1.45	8.1
9-19	do	7.8	.45	1.06	3.5
	JAMES CANAL—A-3417				
	Diverted from Soldier Creek—Sec. 4-31-53 W.				
	Measurements Made at Headgate				
11-19	Ivan W. Bauer	2.7	0.74	.....	2.0
3- 6	Hilpert-Rasmussen	.....	.....	.....	.0
5-28	A. C. Hilpert	2.8	.97	.....	2.7
8- 7	do	.....	.....	.....	.0
8-26	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0
	JENKINS CANAL—A-924				
	Diverted from Buffalo Creek—Sec. 18-1-40 W.				
	Measurements Made at Headgate				
6-18	D. B. Ender	.....	.....	.....	0.0
8-19	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
	JOHNSON CANAL—D-511				
	Diverted from Niobrara River—Sec. 36-31-57 W.				
	Measurements Made at Headgate				
4-15	Hilpert-Rasmussen	5.8	1.26	.....	7.3
5-29	A. C. Hilpert	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-20	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		JOHNSON CANAL—A-612			
		Diverted from Lodgepole Creek—Sec. 23-13-45 W.			
		Measurements Made at Headgate			
6-23	A. C. Hilpert	----	----	----	0.0
7-13	do	1.5	0.80	----	1.2
7-30	do	----	----	----	.0
8-18	do	----	----	----	.1
9- 4	do	4.7	.94	----	4.4
9-17	do	----	----	----	.0
		JONES CANAL—A-391			
		Diverted from White River—Sec. 18-34-48 W.			
		Measurements Made at Headgate			
4- 4	Hilpert-Rasmussen	----	----	----	0.0
		JONES CANAL—D-319			
		Diverted from Lodgepole Creek—Sec. 36-14-49 W.			
		Measurements Made at Headgate			
7-14	A. C. Hilpert	----	----	----	0.0
7-31	do	----	----	----	.0
8-17	do	0.2	0.50	----	.1
9- 3	do	.4	.50	----	.2
9-16	do	----	----	----	.0
		JONES CANAL—A-3392			
		Diverted from Lodgepole Creek—Sec. 36-14-49 W.			
		Measurements Made below Headgate			
4-23	A. C. Hilpert	----	----	----	0.0
6- 5	do	----	----	----	.01
6-24	do	----	----	----	.0
		JORDAN CANAL—A-2032			
		Diverted from Monroe Creek—Sec. 22-33-56 W.			
		Measurements Made at Headgate			
2-11	A. C. Hilpert	1.4	1.07	----	1.5
2-20	do	----	----	----	.3
3- 9	do	1.0	1.20	----	1.2
4-13	Hilpert-Rasmussen	.8	.88	----	.7
5-27	do	1.1	2.00	----	2.2
7- 7	A. C. Hilpert	----	----	----	.0
7-21	do	----	----	----	.0
8- 5	do	----	----	----	.0
8-24	do	----	----	----	.0
9- 9	do	.2	.50	----	.1
9-22	do	----	----	----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		JORDAN CANAL—A-841			
		Diverted from Monroe Creek and Jordan Reservoir A-841			
		Sec. 13-33-56 W.			
		Measurements Made at Headgate			
11-17	Ivan W. Bauer	.....	.....	.....	0.0
2-11	A. C. Hilpert	0.7	1.43	.....	1.0
2-20	Hilpert-Rasmussen	1.5	1.40	.....	2.1
3- 9	A. C. Hilpert	.....	.....	.....	.3
4-13	Hilpert-Rasmussen	.6	.66	.....	.4
5-27	do	1.2	1.16	.....	1.4
6-16	A. C. Hilpert	1.9	.84	.....	1.6
7- 7	do	1.5	1.20	.....	1.8
7-21	do	1.1	1.00	.....	1.1
8-24	do	.3	.67	.....	.2
9-22	do	.....	.....	.....	.0
		JUNGLES PUMP—A-3407			
		Diverted from Mud (Beaver) Creek—Sec. 12-12-15 W.			
		Measurements Made at Pump Site			
8-12	D. E. Olson	.....	.....	.....	0.0
		KEARNEY CANAL—D-1023, A-1577			
		Diverted from Platte River and Sutherland Reservoir—Sec. 3-8-18 W.			
		Measurements Made at Rating Flume North of Odessa—Sec. 33-9-17 W.			
10- 6	Melvin Kleen	108.7	1.82	4.69	197.7
10-13	do	50.0	1.19	3.20	59.3
10-23	do	.....	.....	1.86	.0
12-12	do	.....	.....	.....	.0
1-15	do	97.3	1.40	5.92	136.6
2-13	do	92.4	1.59	4.13	146.6
2-27	do	83.8	1.39	4.61	116.7
3- 9	do	118.0	1.91	4.74	225.2
3-18	do	153.1	2.04	5.49	312.2
4- 1	do	169.9	2.24	6.02	381.1
4- 9	do	173.7	2.01	5.92	349.1
5-11	do	166.8	2.03	5.79	338.4
5-19	do	175.6	2.07	5.99	363.9
5-25	do	180.3	2.04	6.00	367.8
6- 4	do	4.1	.90	2.26	3.7
6-11	do	28.5	1.39	2.95	39.6
6-25	do	91.7	1.67	4.29	153.5
7- 7	do	126.7	1.83	5.00	231.9
7-14	do	170.9	1.99	5.84	339.0
7-24	do	36.8	1.35	3.09	49.5
7-30	do	28.4	1.28	2.82	36.4

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		KEARNEY CANAL—Concluded			
8- 8	Melvin Kleen	20.7	1.14	2.63	24.0
8-18	do	108.5	1.65	4.52	179.3
8-24	do	54.0	1.63	3.50	88.0
8-31	do	22.8	1.26	2.70	28.8
9-14	do	145.9	1.80	5.42	286.9
9-21	do	148.8	1.97	5.50	292.7
9-29	do	144.6	1.97	5.32	285.7
		KEARNEY POWER RETURN Sec. 12-8-16 W.			
10- 6	Melvin Kleen	57.4	3.62	1.30	207.8
10-13	do	20.8	.87	- .17	18.2
1-13	do	42.8	2.60	1.60	111.1
2-14	do	64.9	2.82	1.18	183.2
2-28	do	45.2	2.01	.48	90.9
3- 9	do	66.6	2.98	1.26	196.9
3-18	do	99.6	2.32	1.62	232.2
4- 1	do	132.3	2.42	2.52	320.0
4-13	do	.....	.....	- .43	.3
5-11	do	126.9	2.39	2.60	302.7
5-18	do	136.1	2.42	2.65	329.3
5-25	do	133.6	2.40	2.64	320.5
6- 3	do	21.7	1.40	.27	30.4
6-12	do	2.3	.87	- .64	2.0
6-25	do	65.9	2.25	1.43	149.9
7- 7	do	115.4	2.54	2.25	293.2
7-14	do	115.8	2.46	2.26	284.2
7-24	do	47.9	2.02	.91	96.6
7-30	do	.....	.....	- .78	.6
8- 8	do	.....	.....	- .82	.1
8-18	do	53.7	2.04	.92	109.4
8-24	do	52.3	1.91	.88	100.3
8-31	do	2.0	1.20	- .71	2.4
9-15	do	131.4	2.58	2.35	338.8
9-21	do	94.2	2.44	1.90	230.5
9-29	do	111.4	2.34	1.98	261.7
		KEITH-LINCOLN COUNTY CANAL—D-722 Diverted from North Platte River—Sec. 18-14-36 W. Measurements Made at Rating Flume			
10-16	J. P. Hansen	.....	.....	.....	0.0
10-24	do	11.2	0.84	0.34	9.5
10-30	do	18.9	.73	.32	13.8
11- 5	do	23.8	.84	.38	20.0
4- 9	E. S. Kimmel	.52	.39	.....	.2

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		KEITH-LINCOLN COUNTY CANAL—Concluded			
4-23	E. S. Kimmel	0.75	0.53	.....	0.4
5- 7	do	.62	.65	.....	.4
6- 4	do	31.0	.87	.38	27.1
6-11	do	39.6	1.31	.58	53.1
6-18	do	31.1	1.15	.45	35.7
6-25	do	27.6	1.15	.44	31.8
7- 1	do	28.2	1.05	.44	29.5
7-16	do	32.9	2.96	1.00	97.4
7-31	do	30.4	2.74	.98	83.7
8- 5	do	34.5	2.76	1.06	95.3
8-12	do	27.7	2.73	.96	75.6
8-18	do	28.4	2.45	.95	69.7
8-26	do	29.1	2.60	.94	75.5
9- 3	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	.0
		KEITH-LINCOLN COUNTY CANAL SPILL Sec. 23-14-34 W.			
10-16	J. P. Hansen	.....	.....	.....	1.0
10-24	do	2.4	1.05	0.30	2.5
10-30	do	4.0	.40	.47	7.9
11- 5	do	4.0	2.40	.50	9.6
5- 8	E. S. Kimmel	.....	.....	.....	.0
5-29	do	.....	.....	.....	.0
6- 4	do	5.1	.63	.33	3.2
6-11	do	7.4	1.30	.52	9.6
6-19	do	2.3	.56	.24	1.3
6-26	do	3.6	.67	.26	2.4
7- 2	do	6.6	1.21	.50	8.0
7-16	do	.....	.....	.20	.2
7-30	do	1.4	.36	.25	.5
8-19	do	.6	.66	.21	.4
9-10	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0
		KELSO CANAL—A-2151, A-2279, A-2328, A-2456 Diverted from Big Bordeaux Creek—Sec. 14-33-48 W. Measurements Made at Pump Site			
4-29	A. C. Hilpert	.....	.....	.....	0.0
5-22	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		KELSO CANAL—Concluded			
6- 9	A. C. Hilpert	.....	.....	.....	0.0
6-27	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
8- 4	do	1.2	0.75	.....	.9
8-21	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0
		KENNEDY PUMP—A-3030 Diverted from White River—Sec. 26-34-49 W. Measurements Made near Pump Site			
4- 4	Hilpert-Rasmussen	.....	.....	.....	0.0
		KENT-BURKE CANAL, WEST—A-1694 Diverted from Pawnee Creek—Sec. 18-13-27 W. Measurements Made at Rating Flume			
10-10	Melvin Kleen	3.1	0.93	0.74	2.9
10-28	do	2.7	1.15	.70	3.1
11- 7	do	2.7	1.07	.68	2.9
11-15	do	2.7	1.15	.68	3.1
12- 5	do	.....	.....	.....	.0
4-15	do	.....	.....	.....	.0
5-27	do	.....	.....	.....	.0
6-16	do	.....	.....	.....	.0
7- 9	do	.....	.....	.....	.0
7-26	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
		KEYSTONE CANAL—D-730, A-662b, A-843, A-1003 Diverted from White Tail Creek—Sec. 26-15-38 W. Measurements Made at Headgate			
4-22	E. S. Kimmel	.....	.....	.....	0.0
7-15	do	.....	.....	.....	.0
8-19	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
		KILPATRICK RESERVOIR CANAL—A-1160 Diverted from Kilpatrick Reservoir—Sec. 30-6-39 W. Measurements Made near Reservoir Outlet—Sec. 30-6-39 W.			
5- 9	D. B. Ender	4.12	0.80	1.24	3.30

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KIMBALL CANAL, NORTH—A-897					
Diverted from Lodgepole Creek and Oliver Reservoir, A-897—Sec. 36-15-57 W.					
Measurements Made below Headgate					
4-22	Hilpert-Hanna	.....	.....	.....	0.0
6- 6	A. C. Hilpert	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-15	do	12.5	0.92	2.71	11.5
8- 1	do	.....	.....	.....	.0
8-15	Hilpert-Hanna	13.2	1.90	2.80	25.0
9- 3	do	.....	.....	.....	.0
9-16	A. C. Hilpert	6.2	1.23	1.59	7.6
KIMBALL CANAL, SOUTH—A-897					
Diverted from Lodgepole Creek and Oliver Reservoir, A-897—Sec. 36-15-57 W.					
Measurements Made at Headgate					
4-22	Hilpert-Hanna	.....	.....	.....	0.0
6- 6	A. C. Hilpert	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-15	do	17.5	2.16	3.04	37.8
8- 1	do	.....	.....	.....	0.0
8-15	Hilpert-Hanna	17.4	2.52	3.01	44.0
9- 3	do	.....	.....	.....	.0
9-16	A. C. Hilpert	.....	.....	.....	.0
KIMBALL CANAL SPILL TO LODGEPOLE CREEK					
Sec. 36-15-57 W.					
6- 6	A. C. Hilpert	1.9	0.79	.....	3.0
KING CANAL, WEST—A-1440					
Diverted from Lawrence Fork—Sec. 15-18-52 W.					
Measurements Made at Headgate					
4-20	A. C. Hilpert	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
7-15	Hansen-Niehus	.....	.....	.....	.0
7-29	A. C. Hilpert	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
9- 2	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	KING CANAL, EAST—A-1587				
	Diverted from Lawrence Fork—Sec. 15-18-52 W.				
	Measurements Made at Headgate				
4-20	A. C. Hilpert	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
7-10	do	.....	.....	.....	.0
7-15	Hansen-Niehus	.....	.....	.....	.0
7-29	A. C. Hilpert	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
9- 2	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	.0
	KINNEY CANAL, SOUTH, NO. 1—D-345, D-350, A-781R, A-1828				
	Diverted from Lodgepole Creek—Sec. 31-15-56 W.				
	Measurements Made at Headgate				
4-22	Hilpert-Hanna	.....	.....	.....	0.0
6- 6	A. C. Hilpert	.....	.....	.....	.0
6-25	do	3.5	1.60	0.45	5.6
7-15	do	2.1	1.90	.26	4.0
8- 1	do	2.4	1.83	.52	4.4
8-15	Hilpert-Hanna	2.8	1.46	.62	4.1
9- 3	do	3.0	.97	.70	2.9
9-16	A. C. Hilpert	3.2	.75	.81	2.4
	KINNEY CANAL, NORTH, NO. 2—D-348, A-718				
	Diverted from Lodgepole Creek—Sec. 33-15-56 W.				
	Measurements Made at Headgate				
4-22	Hilpert-Hanna	.....	.....	.....	0.0
6- 6	A. C. Hilpert	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8- 1	do	.....	.....	.....	.0
8-15	Hilpert-Hanna	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
9-16	A. C. Hilpert	.....	.....	.....	.0
	KITE CANAL—A-1375, A-1469, A-1470				
	Diverted from Monroe Creek and Jordan Reservoir, A-1399—Sec. 13-33-56 W.				
	Measurements Made at Headgate				
11-17	Ivan W. Bauer	0.6	1.15	.....	0.6
2-11	A. C. Hilpert	.9	.89	.....	.8

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		KITE CANAL—Concluded			
2-20	A. C. Hilpert	.....	.....	.....	0.0
3- 9	do	0.3	1.00	.....	.3
4-13	Hilpert-Rasmussen	.2	.50	.....	.1
5-27	do	.....	.....	.....	.2
6-16	A. C. Hilpert	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-24	do	.5	.80	.....	.4
9- 9	do	.2	.25	.....	.05
9-22	do	.3	.67	.....	.2
		KLAUSEN PUMP—A-2095			
		Diverted from Middle Loup River—Sec. 36-14-14 W.			
		Measurements Made at Pump Site			
8-28	D. E. Olson	.....	.....	.....	0.0
		KNAPP PUMP—A-1943			
		Diverted from Middle Loup River—Sec. 32-15-14 W.			
		Measurements Made at Pump Site			
8-28	D. E. Olson	.....	.....	.....	0.0
		KREBS CANAL—A-2520			
		Diverted from Middle Loup River—Sec. 27-17-12 W.			
		Measurements Made at Pump Site			
8-27	D. E. Olson	.....	.....	.....	0.0
		KRIVOHLAVEK PUMP—A-2395			
		Diverted from Middle Loup River—Sec. 35-18-3 E.			
		Measurements Made at Pump Site			
9-22	D. E. Olson	.....	.....	.....	0.0
		KROTTER POWER CANAL—A-1021			
		Diverted from Frenchman River—Sec. 35-5-34 W.			
		Measurements Made at Intersection U. S. Highway No. 6 and Canal			
11- 8	D. B. Ender	.....	.....	.....	0.0
11-22	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	KRUEGER CANAL NO. 1—D-325, D-968				
	Diverted from Lodgepole Creek—Sec. 29-14-48 W.				
	Measurements Made at Headgate				
2-27	A. C. Hilpert	1.3	0.23	----	0.3
3-23	do	----	----	----	.0
4-23	do	1.0	.40	----	.4
5-12	do	----	----	----	.0
6- 5	do	----	----	----	.0
6-24	do	----	----	----	.0
7-14	do	----	----	----	.0
7-31	do	----	----	----	.0
8-17	do	----	----	----	.0
9- 3	do	----	----	----	.0
9-16	do	----	----	----	.0
	KRUEGER CANAL NO. 2—D-324				
	Diverted from Lodgepole Creek—Sec. 32-14-48 W.				
	Measurements Made at Headgate				
2-27	A. C. Hilpert	1.2	0.08	----	0.1
3-23	do	----	----	----	.0
4-23	do	4.2	.52	----	2.2
5-12	do	----	----	----	.0
6- 5	do	3.9	.28	----	1.1
6-24	do	----	----	----	.0
7-14	do	2.6	.19	----	.5
7-21	do	----	----	----	.0
8-17	do	----	----	----	.0
9- 3	do	----	----	----	.0
9-16	do	----	----	----	.0
	KRUEGER CANAL NO. 3—D-323				
	Diverted from Lodgepole Creek—Sec. 32-14-48 W.				
	Measurements Made at Headgate				
2-27	A. C. Hilpert	----	----	----	0.0
3-23	do	----	----	----	.0
4-23	do	----	----	----	.0
5-12	do	----	----	----	.0
6- 5	do	----	----	----	.0
6-24	do	----	----	----	.0
7-14	do	----	----	----	.0
7-31	do	----	----	----	.0
8-17	do	----	----	----	.0
9- 3	do	----	----	----	.0
9-16	do	----	----	----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		KUSEL CANAL NO. 2—A-560			
		Diverted from Spring Creek—Sec. 8-32-51 W.			
4-10	Hilpert-Rasmussen	.....	.....	.....	0.0
7- 6	A. C. Hilpert	.....	.....	.....	.0
		KUSEL-SPEARMAN CANAL—A-677			
		Diverted from Little Cottonwood Creek—Sec. 8-32-51 W.			
		Measurements Made near Headgate			
4-10	Hilpert-Rasmussen	.....	.....	.....	0.0
7- 6	A. C. Hilpert	.....	.....	.....	.0
		LaBELLE CANAL—D-518, A-60			
		Diverted from Niobrara River—Sec. 6-28-54 W.			
		Measurements Made at Headgate			
3- 7	Hilpert-Rasmussen	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
5-29	A. C. Hilpert	.....	.....	.....	.0
6-15	do	7.22	1.69	.....	12.2
7- 2	do	9.2	.53	.....	4.9
7-20	do	10.65	.36	.....	3.8
8- 6	do	10.2	.32	.....	3.3
8-25	do	9.2	.29	.....	2.7
9-10	do	6.8	.18	.....	1.2
9-23	do	.....	.....	.....	.0
		LAING CANAL—D-825			
		Diverted from Lawrence Fork—Sec. 28-18-52 W.			
		Measurements Made at Headgate			
4-20	A. C. Hilpert	.....	.....	.....	0.0
5-14	do	.....	.....	.....	.0
6-19	do	0.86	1.05	.....	.9
7-10	do	.83	.98	.....	.8
7-15	Hansen-Niehus	.86	.81	.....	.7
7-21	J. P. Hansen	.70	.86	.....	.6
7-29	A. C. Hilpert	1.03	.97	.....	1.0
8-14	do	.80	1.06	.....	.9
9- 2	do	.80	1.00	.....	.8
9-15	do	1.00	.60	.....	.6
9-30	do	1.12	.80	.....	.9
		LAKIN PUMP—A-3137			
		Diverted from North Loup River—Sec. 14-21-16 W.			
		Measurements Made at Pump Site			
8-27	D. E. Olson	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		LAKOTAH CANAL—D-554			
		Diverted from Niobrara River—Sec. 1-30-57 W.			
		Measurements Made at Headgate			
11-18	Ivan W. Bauer	7.2	1.23	.....	8.8
4-15	Hilpert-Rasmussen	.....	.....	.....	.0
5-29	A. C. Hilpert	3.8	.48	.....	1.7
6-17	do	6.0	.15	.....	.9
7- 2	do	7.6	.13	.....	1.0
7-20	do	6.8	.46	.....	3.1
8- 6	do	5.3	.26	.....	1.4
8-25	do	4.2	.21	.....	.9
9-10	do	.....	.....	.....	.0
9-23	do	4.0	1.02	.....	4.1
		LAMAR ROLLING MILLS—D-1013			
		Diverted from Frenchman River—Sec. 18-6-40 W.			
		Measurements Made in Sec. 18-6-40 W.			
12-20	D. B. Ender	.....	.....	.....	0.0
		LANG, C. E., PUMP—A-2793			
		Diverted from Mud (Beaver) Creek—Sec. 19-14-16 W.			
		Measurements Made at Pump Site			
8-25	D. E. Olson	.....	.....	.....	0.0
		LANG, J. R., SR., PUMP—A-2445			
		Diverted from Mud (Beaver) Creek—Sec. 13-14-17 W.			
		Measurements Made at Pump Site			
8-25	D. E. Olson	.....	.....	.....	0.0
		LAST CHANCE CANAL—D-883			
		Diverted from Pumpkinseed Creek—Sec. 27-19-50 W.			
		Measurements Made at Rating Flume			
10-10	J. P. Hansen	5.4	1.46	0.94	7.9
10-20	do	.....	.....	.....	.0
4-18	A. C. Hilpert	2.0	.90	.14	1.8
5- 9	do	1.0	.61	.15	.6
6-19	do	5.4	1.41	.88	7.6
7-10	do	4.5	1.76	.72	7.9
7-16	do	5.1	1.60	.84	8.2
7-28	do	7.2	1.35	1.16	9.7
8-14	do	.....	.....	.....	.0
9- 2	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		LEININGER PUMP—A-2395			
		Diverted from Middle Loup River—Sec. 12-15-15 W.			
		Measurements Made at Pump Site			
8-11	D. E. Olson	.....	.....	.....	0.0
		LEMBURG PUMP—A-3542			
		Diverted from Middle Loup River—Sec. 29-13-11 W.			
		Measurements Made at Pump Site			
9-15	D. E. Olson	.....	.....	.....	0.0
		LEUI PUMP—A-2935			
		Diverted from Wagner Creek—Sec. 3-18-17 W.			
		Measurements Made at Pump Site			
8-11	D. E. Olson	.....	.....	.....	0.0
		LIBBY CANAL—D-312			
		Diverted from Lodgepole Creek—Sec. 36-14-47 W.			
		Measurements Made at Headgate			
4-26	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	.1
7-14	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
		LICHTE CANAL—D-479, A-1086, A-1088, A-1152, A-2523			
		Diverted from Niobrara River—Sec. 27-29-48 W.			
		Measurements Made at Headgate			
10-16	K. S. Essex	9.3	0.76	0.98	7.1
2-10	A. C. Hilpert	.....	.....	.....	.0
3- 3	do	.....	.....	.....	.0
4- 2	do	.....	.....	.....	.0
4-28	do	6.9	.32	.80	2.2
5- 8	do	.....	.....	.....	.0
6- 1	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		LICHTE CANAL—Concluded			
7- 8	A. C. Hilpert	——	——	——	0.0
7-16	do	——	——	——	.0
7-28	do	4.9	.45	.56	2.2
8- 3	do	4.1	.51	.59	2.1
8-13	do	6.5	.68	.74	4.4
8-20	do	6.2	.71	.72	4.4
8-31	do	6.6	.67	.73	4.4
9- 5	do	6.7	.64	.73	4.3
9-14	do	7.2	.54	.74	3.9
9-19	do	7.4	.68	.82	5.0
9-29	do	10.5	.61	1.06	6.4
		LISCO CANAL—D-787, D-856, A-243, A-991 Diverted from North Platte River—Sec. 14-18-47 W. Measurements Made at 40-foot Weir—Sec. 24-18-47 W.			
4-20	E. S. Kimmel	——	——	——	0.0
4-27	do	——	——	——	.0
5- 4	do	——	——	——	.0
		LOGAN CANAL—D-902 Diverted from Pumpkinseed Creek—Sec. 7-19-55 W. Measurements Made at Headgate			
4-21	A. C. Hilpert	6.3	0.92	——	5.8
5-14	do	——	——	——	.0
6-20	do	——	——	——	.0
7-11	do	——	——	——	.0
7-29	do	——	——	——	.0
8-14	do	——	——	——	.0
9- 2	do	——	——	——	.0
9-15	do	——	——	——	.0
		LOGAN CANAL—D-821 Diverted from North Platte River—Sec. 24-20-51 W. Measurements Made at Rating Flume			
9-14	J. P. Hansen	4.4	0.52	——	2.3
		LOWERY PUMP—A-2026 Diverted from Clear Creek—Sec. 1-15-17 W. Measurements Made at Pump Site			
8-26	D. E. Olson	——	——	——	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	LUNDY, DORIS, POWER CANAL—D-1024, A-1224				
	Diverted from Middle Loup River—Sec. 4-19-19 W.				
	Measurements Made below Spillway				
7- 8	D. E. Olson	181	2.03	.....	367.0
7-24	do	170	2.06	.....	351.0
8-21	do	184	2.08	.....	383.0
9-18	do	183	2.35	.....	430.0
	LUTH PUMP—A-3454				
	Diverted from Mud (Beaver) Creek—Sec. 1-12-15 W.				
	Measurements Made at Pump Site				
8-12	D. E. Olson	.....	.....	.....	0.0
	LUTHER PUMP—A-2794				
	Diverted from Mud (Beaver) Creek—Sec. 25-15-18 W.				
	Measurements Made at Pump Site				
8-25	D. E. Olson	.....	.....	.....	0.0
	LYNGHOLM CANAL—D-337				
	Diverted from Lodgepole Creek—Sec. 14-14-51 W.				
	Measurements Made at Headgate				
4-23	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
	LYONS CANAL—D-803				
	Diverted from North Platte River—Sec. 30-17-44 W.				
	Measurements Made at Rating Flume				
4- 6	E. S. Kimmel	.....	.....	.....	0.0
4-21	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-28	do	12.0	1.07	1.40	12.8
8- 3	do	14.6	1.07	1.59	15.6
8- 7	do	11.8	.96	1.36	11.3
8-17	do	14.5	.80	1.58	11.6
8-21	do	14.9	.54	1.68	8.0
8-28	do	14.9	.55	1.65	8.2
9- 4	do	9.5	.96	1.11	9.1
9-11	do	11.5	1.04	1.30	11.9

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		LYONS CANAL—Concluded			
9-18	E. S. Kimmel	10.5	0.79	1.10	8.3
9-25	do	4.1	.56	.45	2.3
		McAULIFFE CANAL—D-814			
		Diverted from Lodgepole Creek—Sec. 21-13-45 W.			
		Measurements Made at Headgate			
4-26	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-18	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
		McAULIFFE CANAL—A-1559			
		Diverted from Lodgepole Creek—Sec. 21-13-45 W.			
		Measurements Made at Headgate			
4-26	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-18	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
		McCARTHY CANAL—D-749			
		Diverted from White Tail Creek—Sec. 36-15-38 W.			
		Measurements Made at Headgate			
4-22	E. S. Kimmel	.....	.....	.....	0.0
7-15	do	1.05	0.48	0.87	.5
7-29	do	1.40	.23	.94	.6
8-19	do	2.80	.43	1.18	1.2
8-25	do	2.60	.38	1.18	1.0
9- 9	do	.....	.....	.....	.0
9-23	do	1.60	.44	.98	.7
		McDONALD CANAL—A-644			
		Diverted from Republican River—Sec. 36-1-38 W.			
		Measurements Made at Headgate			
4- 2	D. B. Ender	.....	.....	.....	0.0
5-15	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		McDONALD CANAL—Concluded			
6-19	D. B. Ender				0.0
7-24	do				.0
8- 7	do				.0
8-19	do				.0
9-12	do				.0
9-25	do				.0
		McDOWELL STORAGE SYSTEM—A-772			
		Diverted from English Creek—Sec. 12-31-52 W.			
		Measurements Made at Headgate			
4-11	Hilpert-Rasmussen				0.0
		McFARLAND CANAL—D-960			
		Diverted from White Clay Creek—Sec. 35-32-52 W.			
		Measurements Made at 2-foot Weir			
4-11	Hilpert-Rasmussen				0.0
7-18	A. C. Hilpert				.0
8- 7	do				.0
8-21	do				.0
9- 8	do				.0
9-21	do				.0
		McGINLEY-STOVER CANAL, UPPER,—D-521			
		Diverted from Niobrara River—Sec. 23-29-56 W.			
		Measurements Made at Headgate			
4-15	Hilpert-Rasmussen				0.0
5-29	A. C. Hilpert				.0
6-17	do				.0
7- 2	do				.0
7-20	do				.0
8- 6	do				.0
8-25	do				.0
9-10	do				.0
9-23	do				.0
		McGINLEY-STOVER CANAL, NORTH—D-513a			
		Diverted from Niobrara River—Sec. 25-29-56 W.			
		Measurements Made at Headgate			
4-15	Hilpert-Rasmussen				0.0
5-29	A. C. Hilpert				.0
6-17	do				.0
7- 2	do				.0
7-20	do				.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		McGINLEY-STOVER CANAL—Concluded			
8- 6	A. C. Hilpert	9.3	0.45	.....	4.2
8-25	do	10.5	.49	.....	5.2
9-10	do	.....	.....	.....	.0
9-23	do	6.0	.72	.....	4.3
		McGINLEY-STOVER CANAL, SOUTH—D-513b			
		Diverted from Niobrara River—Sec. 25-29-56 W.			
		Measurements Made at Headgate			
4-15	Hilpert-Rasmussen	.....	.....	.....	0.0
5-29	A. C. Hilpert	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-20	do	8.9	0.54	.....	4.8
8- 6	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
		McINTOSH CANAL—D-351, A-734			
		Diverted from Lodgepole Creek—Sec. 23-15-55 W.			
		Measurements Made at Headgate			
4-22	Hilpert-Hanna	.....	.....	.....	0.0
6- 6	A. C. Hilpert	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8- 1	do	.....	.....	.....	.0
8-15	Hilpert-Hanna	2.2	1.05	1.40	2.3
9- 3	do	.....	.....	.....	.0
9-16	A. C. Hilpert	.....	.....	.....	.0
		McLAUGHLIN CANAL—D-566			
		Diverted from Niobrara River—Sec. 9-28-52 W.			
		Measurements Made at Headgate			
11-20	Ivan W. Bauer	5.5	0.42	0.65	2.3
4-15	Hilpert-Rasmussen	.....	.....	.....	.0
5-29	A. C. Hilpert	3.7	1.24	.....	4.6
6-15	do	5.3	.70	.55	3.7
7- 3	do	10.1	.28	1.08	2.8
7-22	do	5.8	.34	.....	2.0
8- 6	do	.....	.....	.....	.0
8-25	do	6.0	.30	.82	2.0
9-10	do	1.4	.43	.33	.6
9-23	do	9.0	.63	1.10	5.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		McLAUGHLIN CANAL—D-966			
		Diverted from Lodgepole Creek—Sec. 25-14-48 W.			
		Measurements Made at Headgate			
4-26	A. C. Hilpert	5.4	0.96	.....	5.6
6- 5	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-31	do	2.5	.40	.....	1.0
8-17	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
		McMILLAN CANAL—A-2477R, A-2797			
		Diverted from Middle Loup River—Sec. 23-21-22 W.			
		Measurements Made near Headgate			
6-16	D. E. Olson	.....	.....	.....	0.0
7- 7	do	.....	.....	.....	.0
7-23	do	9.2	0.81	.....	7.5
8-15	do	9.8	.88	.....	8.4
9-17	do	.....	.....	.....	.0
		McOSTRICH PUMP—A-3177			
		Diverted from North Loup River—Sec. 30-19-13 W.			
		Measurements Made at Pump Site			
8-27	D. E. Olson	.....	.....	.....	0.0
		MACE CANAL—D-428			
		Diverted from West Ash Creek—Sec. 2-31-51 W.			
		Measurements Made near Headgate			
4-11	Hilpert-Rasmussen	.....	.....	.....	0.0
6-13	A. C. Hilpert	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
		MARANVILLE CANAL—D-70, D-71			
		Diverted from Frenchman River—Sec. 12-6-41 W.			
		Measurements Made at Headgate			
12-20	D. B. Ender	.....	.....	.....	0.0
5- 9	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6- 5	do	.....	.....	.....	.0
7-10	do	4.8	0.63	.....	3.0
7-29	do	5.3	.78	.....	4.1
8-15	do	1.0	.77	.....	.8
8-26	do	3.2	.79	.....	2.5
9-19	do	4.0	.57	.....	2.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	MARTENS PUMP—A-2801				
	Diverted from Big Bordeaux Creek—Sec. 16-34-48 W.				
	Measurements Made at Pump Site				
4- 4	Hilpert-Rasmussen	.....	.....	.....	0.0
4-29	A. C. Hilpert	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
6-27	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
	MASTNY PUMP—A-3080				
	Diverted from Shell Creek—Sec. 35-18-3 E.				
	Measurements Made at Pump Site				
9-22	D. E. Olson	.....	.....	.....	0.0
	MEEKER CANAL—D-4, D-7, D-8, D-9				
	Diverted from Republican River—Sec. 15-3-31 W.				
	Measurements Made at Headgate				
10-23	D. B. Ender	8.12	1.17	1.38	9.5
11-19	do	2.5	.56	.78	1.4
4- 2	do	.....	.....	.....	.0
4-30	do	.....	.....	.....	.0
5-14	do	7.5	1.33	.....	9.9
5-28	do	10.7	1.26	1.58	13.5
6-18	do	.....	.....	.....	.0
7-22	do	15.3	1.54	2.00	23.6
8- 7	do	17.4	1.61	2.22	28.1
8-19	do	17.7	1.53	2.20	27.2
9-12	do	12.9	1.49	1.95	19.2
9-26	do	14.0	1.32	2.01	18.4
	MEGLEMRE CANAL—A-294, A-853				
	Diverted from Greenwood Creek—Sec. 3-18-50 W.				
	Measurements Made at Headgate				
4-18	A. C. Hilpert	3.5	0.49	.....	1.7
5- 9	do	.....	.....	.....	.0
6-19	do	.....	.....	.....	.0
7-10	do	3.9	.69	.....	2.7
7-28	do	.....	.....	.....	.0
8-14	do	1.3	.62	.....	.8
9- 2	do	1.5	.47	.....	.7
9-15	do	1.4	.43	.....	.6
9-30	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	MEREDITH-AMMER CANAL—D-876				
	Diverted from Pumpkinseed Creek—Sec. 23-19-50 W.				
	Measurements Made at Rating Flume				
10-10	J. P. Hansen	1.8	0.83	0.30	1.5
10-20	do	2.4	.54	.40	1.3
10-28	do	----	----	----	.0
11- 3	do	----	----	----	.0
4-18	A. C. Hilpert	2.4	.67	----	1.6
5- 9	do	1.4	.21	.05	.3
6- 3	do	2.0	.45	.10	.9
6-19	do	1.2	.33	.17	.4
7- 9	do	8.6	1.90	1.43	16.3
7-15	J. P. Hansen	6.6	1.39	1.08	9.2
7-28	A. C. Hilpert	----	----	----	.0
8-14	do	5.4	2.48	.86	13.4
9- 2	do	5.3	2.00	.85	10.6
9-15	do	2.6	1.54	.40	4.0
9-30	do	1.5	.93	.21	1.4
	MERIDIAN CANAL—D-459, A-469				
	Diverted from Niobrara River—Sec. 25-29-50 W.				
	Measurements Made at Headgate				
10-16	K. S. Essex	5.4	1.54	----	8.3
4-15	Hilpert-Rasmussen	----	----	----	.0
5-29	A. C. Hilpert	----	----	----	.0
6-15	do	----	----	----	.0
7- 3	do	----	----	----	.0
7-22	do	----	----	----	.0
8- 7	do	----	----	----	.0
8-26	do	----	----	----	.0
9-10	do	----	----	----	.0
9-24	do	----	----	----	.0
	METTLEN CANAL—A-292, A-1248, A-2244				
	Diverted from Niobrara River—Sec. 4-28-54 W.				
	Measurements Made at Headgate				
4-15	Hilpert-Rasmussen	----	----	----	0.0
5-29	A. C. Hilpert	----	----	----	.0
6-15	do	----	----	----	.0
7- 2	do	----	----	----	.0
7-20	do	----	----	----	.0
8- 6	do	----	----	----	.0
8-25	do	----	----	----	.0
9-10	do	----	----	----	.0
9-23	do	----	----	----	.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 1—A-2293, A-2678					
Diverted from Middle Loup River—Sec. 10-19-18 W.					
Measurements Made at Rating Flume—Sec. 14-19-18 W.					
6- 1	G. O. Travis	11.6	1.35	2.15	15.7
6-12	do	8.8	.58	1.64	5.1
7- 6	do	5.7	2.55	1.00	14.5
7-18	do	13.7	2.91	2.37	39.8
7-20	Olson-Travis	12.2	2.82	2.14	34.4
7-29	G. O. Travis	13.7	2.75	2.37	37.4
8- 3	do	14.0	2.59	2.42	36.2
8- 7	D. E. Olson	13.7	2.51	2.41	34.4
8-10	do	12.5	2.42	2.06	30.2
8-11	G. O. Travis	11.4	2.41	2.00	27.4
8-17	do	9.7	2.16	1.72	20.7
8-21	D. E. Olson	12.0	2.30	2.11	27.7
8-24	do	12.8	2.32	2.24	29.7
8-28	G. O. Travis	12.3	2.40	2.15	29.5
9- 1	D. E. Olson	11.4	2.24	1.90	25.5
9- 7	do	——	——	——	.0
9-18	do	——	——	——	.0
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 2—A-2293, A-2678					
Diverted from Middle Loup River—Sec. 10-19-18 W.					
Measurements Made at Rating Flume—Sec. 14-19-18 W.					
6- 1	G. O. Travis	12.2	1.19	1.45	14.3
6-12	do	9.3	1.27	1.33	11.7
7- 6	do	10.3	1.80	1.54	18.5
7-18	do	18.6	1.76	2.08	32.7
7-20	Olson-Travis	21.5	1.93	2.32	41.4
7-29	G. O. Travis	23.5	2.02	2.55	47.4
8- 3	do	23.6	2.02	2.55	47.8
8- 7	D. E. Olson	——	——	——	.0
8-10	do	——	——	.06	.0
8-21	do	20.7	1.97	2.30	40.8
8-24	do	21.8	1.83	2.27	39.8
8-28	G. O. Travis	20.7	1.73	2.18	35.9
9- 1	D. E. Olson	19.9	1.62	2.10	32.3
9- 7	do	——	——	——	.0
9-18	do	——	——	——	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 3—A-2293, A-2678 Diverted from Middle Loup River—Sec. 1-17-17 W. Measurements Made at Rating Flume—Sec. 6-17-16 W.					
10-21	G. O. Travis	26.4	0.45	1.94	12.0
5-19	do	14.2	1.50	1.39	21.1
5-26	do	8.7	.56	.99	4.8
7- 7	do	17.0	1.61	1.47	27.3
7-16	do	37.6	1.81	2.54	67.8
7-20	Olson-Travis	46.1	2.39	3.04	109.9
7-29	G. O. Travis	46.8	2.42	3.10	114.3
8- 3	do	46.4	2.38	3.04	110.4
8- 7	D. E. Olson	35.0	1.55	2.32	54.4
8-11	do	33.4	1.38	2.18	46.0
8-21	do	28.9	1.07	1.90	30.1
8-22	G. O. Travis	28.8	1.12	1.90	32.2
8-24	D. E. Olson	28.5	1.19	1.92	33.8
8-29	G. O. Travis	30.9	1.30	2.05	40.0
9- 1	D. E. Olson	30.2	1.35	1.99	40.9
9- 7	do	.....	.....	.....	.0
9-18	do	.....	.....	.....	.0
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, CANAL NO. 4—A-2293, A-2678 Diverted from Middle Loup River—Sec. 36-18-17 W. Measurements Made at Rating Flume—Sec. 31-18-16 W.					
10-21	G. O. Travis	19.7	0.66	1.68	13.1
5-19	do	15.4	1.14	1.43	17.5
5-26	do	13.6	.85	1.30	11.6
7- 7	do	21.0	1.26	1.75	26.4
7-16	do	37.1	1.82	2.79	67.3
7-20	Olson-Travis	50.3	2.09	3.79	105.0
7-29	G. O. Travis	51.8	2.05	3.90	105.9
8- 3	do	50.5	2.04	3.80	103.0
8- 7	D. E. Olson	37.7	1.76	2.89	66.4
8-11	do	29.3	1.52	2.22	44.5
8-21	do	29.3	1.63	2.20	47.6
8-22	G. O. Travis	29.3	1.62	2.22	47.3
8-24	D. E. Olson	29.3	1.17	2.18	48.8
8-29	G. O. Travis	27.9	1.48	2.08	41.1
9- 1	D. E. Olson	26.0	1.53	1.97	39.7
9- 7	do	.....	.....	.....	.0
9-18	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILLWAY 12.4 FROM CANAL NO. 1					
Returned to Middle Loup River via Spring Creek					
Measurements Made at Rating Flume—Sec. 27-18-17 W.					
8-21	D. E. Olson	11.8	0.36	2.45	4.3
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILLWAY FROM CANAL NO. 2					
Returned to Middle Loup River					
Measurements Made at Rating Flume—Sec. 11-18-17 W.					
8-10	D. E. Olson	10.5	0.21	0.25	2.2
8-11	do	.....	.....	.....	.0
8-21	do	18.4	1.60	3.25	29.4
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILLWAY FROM CANAL NO. 3					
Returned to Middle Loup River					
Measurements Made at Rating Flume					
8-11	D. E. Olson	14.9	0.93	0.82	13.8
8-25	do	14.2	.69	2.65	9.8
MIDDLE LOUP PUBLIC POWER & IRRIGATION DISTRICT, SPILLWAY FROM CANAL NO. 4					
Returned to Middle Loup River					
Measurements Made at Rating Flume					
8-11	D. E. Olson	21.3	0.85	0.81	18.0
8-25	do	19.8	.54	2.60	10.7
MIDLAND-OVERLAND CANAL—D-789, D-791, D-800R					
Diverted from North Platte River—Sec. 2-16-44 W.					
Measurements Made at Rating Flume					
10-15	J. P. Hansen	5.6	0.70	1.33	3.9
10-22	do	.....	.....	.....	.3
11- 1	do	.....	.....	.....	.0
4-21	E. S. Kimmel	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
7-23	do	16.7	1.21	2.36	19.6
7-31	do	17.1	1.27	2.39	21.7
8- 7	do	14.8	1.16	2.02	17.3
8-17	do	14.4	1.30	1.92	18.7
8-28	do	11.9	1.11	1.65	13.2
9- 3	do	14.0	1.21	1.94	17.0
9-11	do	11.8	1.21	1.76	14.3
9-17	do	7.7	1.18	1.38	9.1
9-25	do	9.1	.99	1.38	9.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	MINATARE CANAL—D-919				
	Diverted from North Platte River—Sec. 32-22-54 W.				
	Measurements Made at Rating Flume				
6- 2	J. P. Hansen	22.2	0.63	0.29	13.9
6-10	do	31.9	.87	.43	27.8
6-19	do	26.2	1.64	.98	43.0
7-22	do	13.1	3.80	.64	49.7
8- 4	do	23.8	2.09	.98	50.0
8-21	do	25.8	2.38	1.07	61.4
9- 2	do	23.4	2.67	1.00	62.5
9-23	do	20.9	1.53	.48	32.0
9-30	do	13.1	1.56	.34	20.4
	MINATARE CANAL SPILL				
	Near McGrew—Sec. 21-21-53 W.				
6- 2	J. P. Hansen	2.4	4.50	0.60	10.8
6- 9	do	4.0	6.10	.88	24.4
6-20	do	2.8	4.58	.62	12.8
7-14	do	4.8	6.63	.95	31.8
7-22	do	3.2	5.41	.74	17.3
7-28	do	———	———	———	.0
9- 1	do	———	———	———	.0
	MITCHELL CANAL—D-1052				
	Diverted from North Platte River—Sec. 10-23-60 W., Wyoming				
	Measurements Made at Rating Flume at Wyoming-Nebraska Line				
6- 5	J. P. Hansen	26.0	1.62	0.96	42.1
6-10	John Whiting, Jr.	———	———	1.06	50.7
6-13	J. P. Hansen	43.7	1.90	1.38	82.9
6-17	do	57.3	1.93	1.67	111.0
6-24	John Whiting, Jr.	———	———	1.51	92.8
7-17	J. P. Hansen	78.6	2.27	2.44	178.5
7-24	do	79.0	2.24	2.48	177.0
7-30	do	75.2	2.31	2.40	173.0
8- 4	John Whiting, Jr.	———	———	2.43	179.3
8- 7	J. P. Hansen	81.7	2.37	2.54	194.0
8-12	do	81.4	2.29	2.54	186.0
8-20	do	79.6	2.44	2.56	194.0
8-27	do	82.6	2.40	2.63	188.0
9- 3	John Whiting, Jr.	———	———	2.63	188.5
9- 4	J. P. Hansen	81.0	2.37	2.64	192.0
9- 8	do	77.6	2.45	2.62	191.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	MITCHELL FACTORY CANAL—A-1582				
	Diverted from Dry Spotted Tail Creek—Sec. 20-23-56 W.				
	Measurements Made in Sec. 21-23-56 W.				
10- 3	Ivan W. Bauer	17.7	1.59	.....	28.1
10-24	do	16.2	1.31	.....	21.2
11-21	J. P Hansen	11.0	1.37	.....	15.1
11-28	do	11.2	1.12	.....	12.5
7-31	do	2.4	1.06	.....	2.6
	MITCHELL FACTORY CANAL SPILL				
	Mitchell—Sec. 28-23-56 W.				
11-28	J. P. Hansen	5.25	1.58	.....	8.3
12-11	do	.....	.....	.....	1.0
	MONROE CANAL, BIG—D-506, A-2372				
	Diverted from Monroe Creek—Sec. 33-33-56 W.				
	Measurements Made at Headgate				
11-17	Ivan W. Bauer	1.74	0.69	.....	1.2
2-11	A. C. Hilpert	.....	.....	.....	.0
3- 9	do	.....	.....	.....	.0
4-13	Hilpert-Rasmussen	.....	.....	.....	.0
5-27	do	.....	.....	.....	.0
6-16	A. C. Hilpert	.....	.....	.....	.0
7- 7	do	1.2	1.00	.....	1.2
7-21	do	1.4	1.29	.....	1.8
8- 5	do	1.0	1.10	.....	1.1
8-24	do	1.6	.50	.....	.8
9- 9	do	1.6	.62	.....	1.0
9-22	do	1.3	.92	.....	1.2
	MONTAGUE CANAL—A-575				
	Diverted from Niobrara River—Sec. 27-29-48 W.				
	Measurements Made at Headgate				
10-16	K. S. Essex	.....	.....	.....	0.0
2-10	A. C. Hilpert	.....	.....	.....	.0
3- 3	do	.....	.....	.....	.0
4- 2	do	.....	.....	.....	.0
4-28	do	.....	.....	.....	.0
5- 8	do	.....	.....	.....	.0
6- 1	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
6-26	do	.....	.....	.....	.0
7- 8	do	.....	.....	.....	.0
7-16	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		MONTAGUE CANAL—Concluded			
7-28	A. C. Hilpert	.....	.....	.....	0.0
8- 3	do	.....	.....	.....	.0
8-13	do	.....	.....	.....	.0
8-20	do	.....	.....	.....	.0
8-31	do	.....	.....	.....	.0
9- 5	do	.....	.....	.....	.0
9-14	do	.....	.....	.....	.0
9-19	do	.....	.....	.....	.0
9-29	do	.....	.....	.....	.0
		MOODY PUMP—A-3157			
		Diverted from Mud (Beaver) Creek—Sec. 5-15-18 W.			
		Measurements Made at Pump Site			
8-26	D. E. Olson	.....	.....	.....	0.0
		MOORE CANAL—A-88			
		Diverted from Niobrara River—Sec. 9-28-53 W.			
		Measurements Made at Headgate			
3- 7	Hilpert-Rasmussen	.....	.....	.....	0.0
4-15	do	.....	.....	.....	.0
5-29	A. C. Hilpert	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0
7- 3	do	.....	.....	.....	.0
7-20	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9-10	do	7.6	0.45	.....	3.4
9-23	do	.....	.....	.....	.0
		MORRIS PUMP—A-3395			
		Diverted from Morris Reservoir—A-3394			
		Measurements Made at Pump Site—Sec. 9-15-18 W.			
8-26	D. E. Olson	.....	.....	.....	0.0
		MORTENSEN PUMP—A-2155			
		Diverted from North Loup River			
		Measurements Made at Pump Site—Sec. 5-19-14 W.			
8-27	D. E. Olson	.....	.....	.....	0.0
		MORTENSEN PUMP—A-3119			
		Diverted from Mud (Beaver) Creek—Sec. 34-13-15 W.			
		Measurements Made at Pump Site			
8-12	D. E. Olson	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		MOZETER CANAL—D-1014			
		Diverted from Spring Creek—Sec. 13-32-52 W.			
		Measurements Made at Headgate			
4-10	Hilpert-Rasmussen	.....	.....	.....	0.3
		MUTUAL CANAL—D-843			
		Diverted from Pumpkinseed Creek—Sec. 33-19-52 W.			
		Measurements Made at Rating Flume			
10-10	J. P. Hansen	.....	.....	0.50	0.1
10-20	do	5.4	0.24	.82	1.3
11- 3	do	.....	.....	.....	.0
4-20	A. C. Hilpert	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-11	do	3.8	.18	.87	.7
7-29	do	5.2	.52	1.06	2.7
8-14	do	4.0	.33	.86	1.3
9- 2	do	4.2	.67	.89	2.8
9-15	do	1.6	.37	.71	.6
9-30	do	2.8	.43	.84	1.2
		NAAB PUMP—A-2091			
		Diverted from North Loup River—Sec. 28-21-17 W.			
		Measurements Made at Pump Site			
8-28	D. E. Olson	.....	.....	.....	0.0
		NASLUND CANAL—A-661			
		Diverted from Lodgepole Creek—Sec. 1-12-45 W.			
		Measurements Made at Headgate			
6- 4	A. C. Hilpert	.....	.....	.....	0.0
6-23	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-18	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
		NEILL PUMP—A-3038			
		Diverted from White River—Sec. 30-33-49 W.			
		Measurements Made at Pump Site			
4-11	Hilpert-Rasmussen	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		NELSEN PUMP—A-3249			
		Diverted from Mud (Beaver) Creek—Sec. 36-16-19 W.			
		Measurements Made at Pump Site			
8-26	D. E. Olson	——	——	——	0.0
		NELSON, CHARLES, PUMP—A-3100			
		Diverted from Mud (Beaver) Creek—Sec. 11-14-17 W.			
		Measurements Made at Pump Site			
8-25	D. E. Olson	——	——	——	0.0
		NELSON CANAL—D-845			
		Diverted from Greenwood Creek—Sec. 33-18-50 W.			
		Measurements Made at Headgate			
4-18	A. C. Hilpert	1.5	0.48	——	0.7
5- 9	do	——	——	——	.0
6-19	do	——	——	——	.0
7-10	do	——	——	——	.0
7-28	do	——	——	——	.0
8-14	do	2.9	.92	——	2.7
9- 2	do	3.6	.84	——	3.0
9-15	do	4.1	.75	——	3.1
9-30	do	——	——	——	.0
		NEUMAN CANAL—A-611, A-1445			
		Diverted from Lodgepole Creek—Sec. 26-13-45 W.			
		Measurements Made at Headgate			
6- 4	A. C. Hilpert	——	——	——	0.0
6-23	do	——	——	——	.0
7-13	do	——	——	——	.0
7-30	do	——	——	——	.0
8-18	do	——	——	——	.0
9- 4	do	——	——	——	.0
9-17	do	——	——	——	.0
		NEUMAN CANALS, NO. 1 AND NO. 2—A-565			
		Diverted from Lodgepole Creek—Sec. 36-13-45 W.			
		Measurements Made at Headgate			
6- 4	A. C. Hilpert	——	——	——	0.0
6-23	do	——	——	——	.0
7-13	do	——	——	——	.0
7-30	do	——	——	——	.0
8-18	do	——	——	——	.0
9- 4	do	3.4	0.62	——	2.1
9-17	do	——	——	——	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	NEWTON CANAL—A-2263, A-2863, A-2927				
	Diverted from North Loup River—Sec. 35-23-21 W.				
	Measurements Made at North Line of Sec. 32-23-20 W.				
5-12	D. E. Olson	----	-----	-----	0.0
7- 7	do	5.6	1.11	1.25	6.3
7-22	do	14.0	1.93	2.08	27.0
8-14	do	17.6	1.52	2.32	26.8
9-17	do	6.2	1.18	1.32	7.3
	NEWTON CANAL—A-2263, A-2863, A-2927				
	Diverted from North Loup River—Sec. 36-23-21 W.				
	Measurements Made 1 Mile below Spillway				
6-16	D. E. Olson	13.5	.78	-----	10.5
7- 7	do	8.9	.75	-----	6.7
7-22	do	34.5	.89	-----	30.7
8-14	do	36.9	.81	-----	30.0
9-17	do	11.6	.64	-----	7.4
	NIEHUS CANAL—A-550				
	Diverted from Lawrence Fork—Sec. 11-18-52 W.				
	Measurements Made at Headgate				
4-20	A. C. Hilpert	----	-----	-----	0.0
5-14	do	----	-----	-----	.0
6-19	do	----	-----	-----	.0
7-10	do	-----	-----	-----	.0
7-15	J. P. Hansen	2.4	0.58	-----	1.4
7-16	do	6.8	.43	0.80	3.0
7-21	do	-----	-----	-----	.0
7-29	A. C. Hilpert	3.9	.59	-----	2.3
8-14	do	1.7	.65	-----	1.1
9- 2	do	3.6	.44	-----	1.6
9-15	do	1.0	.80	-----	.8
9-30	do	1.3	.72	-----	.9
	NINE MILE CANAL—D-925				
	Diverted from North Platte River—Sec. 13-21-54 W.				
	Measurements Made at Rating Flume				
6- 9	J. P. Hansen	16.0	1.64	2.13	26.2
6-20	do	22.6	1.40	2.53	31.6
7-14	do	29.7	1.49	2.90	44.3
7-22	do	29.4	2.21	2.93	65.1
7-28	do	26.0	2.59	2.74	67.3
8-18	do	17.6	3.15	2.24	55.4
8-25	do	19.2	3.42	2.33	65.7
9- 1	do	16.0	3.59	2.20	57.4
9-11	do	12.8	3.81	2.10	48.7
9-29	do	8.0	4.60	2.00	36.8

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	NORMAN CANAL—A-1614, A-1704, A-1952				
	Diverted from Indian Creek—Sec. 16-32-50 W.				
	Measurements Made at Headgate				
4-11	Hilpert-Rasmussen	.....	.....	.....	0.0
	NORMAN-BARRON CANAL—A-1953, A-2024				
	Diverted from East Ash Creek—Sec. 32-32-50 W.				
	Measurements Made at Headgate				
10-15	K. S. Essex	.....	.....	.....	0.0
4- 3	A. C. Hilpert	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
7- 6	do	1.8	0.72	.....	1.3
7-18	do	.....	.....	.....	.0
6- 8	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0
	NORMAN SUPPLY CANAL—A-1953				
	Diverted from Indian Creek—Sec. 28-32-50 W.				
	Measurements Made at Headgate				
4-11	Hilpert-Rasmussen	.....	.....	.....	0.0
	NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT,				
	BURWELL-SUMTER CANAL—A-2312				
	Diverted from North Loup River—Sec. 14-21-16 W.				
	Measurements Made at Rating Flume—Sec. 19-21-15 W.				
10- 4	G. O. Travis	32.5	0.77	3.01	25.1
10-11	do	32.5	.85	3.06	27.6
10-18	do	33.7	.92	3.12	31.0
10-25	do	33.5	.91	3.13	30.5
6-13	do	17.1	.95	1.83	16.2
7-14	do	34.2	.75	3.72	25.6
7-22	Travis-Olson	32.0	.55	3.51	17.7
7-30	G. O. Travis	39.1	1.99	4.26	78.0
8- 5	D. E. Olson	40.5	2.26	4.48	91.7
8- 7	G. O. Travis	37.6	2.32	4.17	87.3
8-10	D. E. Olson	41.6	2.27	4.53	94.6
8-20	do	39.7	2.19	4.38	86.4
8-21	G. O. Travis	40.6	2.36	4.40	95.9
8-24	D. E. Olson	41.0	2.26	4.50	92.8
8-31	G. O. Travis	39.4	2.27	4.30	89.7
9- 1	D. E. Olson	39.5	2.33	4.32	92.2
9- 7	do	12.7	.71	1.59	9.0
9-16	do	11.8	.65	1.47	7.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, ORD-NORTH LOUP CANAL—A-2312					
Diverted from North Loup River—Sec. 27-19-14 W.					
Measurements Made at Rating Flume—Sec. 36-19-14 W.					
10- 4	G. O. Travis	13.0	1.20	1.21	15.6
10-11	do	9.8	1.10	.98	10.8
10-18	do	10.4	1.00	1.00	10.3
10-25	do	8.9	.94	.90	8.4
4-27	do	18.8	1.18	1.53	22.2
7-11	do	32.2	.79	2.39	25.4
7-17	do	67.4	1.17	4.48	79.0
7-22	Travis-Olson	78.6	1.28	5.13	100.2
7-31	G. O. Travis	78.3	1.37	5.06	107.3
8- 5	D. E. Olson	77.9	1.35	5.07	105.0
8- 7	G. O. Travis	65.7	1.46	4.35	96.0
8-10	D. E. Olson	77.7	1.37	5.11	107.0
8-20	do	57.3	1.39	3.86	79.8
8-21	G. O. Travis	58.8	1.42	3.97	83.7
8-24	D. E. Olson	57.4	1.36	3.90	78.0
8-31	G. O. Travis	37.2	1.38	2.76	51.6
9- 1	D. E. Olson	37.4	1.38	2.71	51.7
9- 7	do	8.0	1.64	1.00	13.0
9-16	do	.....	.....	.....	.0
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, TAYLOR-ORD CANAL—A-2312, A-2417					
Diverted from North Loup River—Sec. 13-21-19 W.					
Measurements Made at Rating Flume—Sec. 20-21-18 W.					
10- 4	G. O. Travis	46.1	1.39	3.28	64.2
10-11	do	38.8	1.10	2.91	42.6
10-18	do	42.1	1.32	3.14	55.6
10-25	do	37.3	.94	2.84	35.1
6- 1	do	53.2	1.85	3.56	98.2
7- 6	do	36.1	1.02	2.74	36.8
7-16	do	60.8	2.11	4.04	128.4
7-22	Travis-Olson	70.8	2.24	4.41	158.6
8- 3	G. O. Travis	70.0	2.28	4.40	158.9
8- 5	D. E. Olson	71.6	2.21	4.44	158.0
8-10	do	54.1	1.85	3.69	99.8
8-11	G. O. Travis	52.4	1.63	3.54	85.7
8-20	D. E. Olson	50.6	1.68	3.53	84.7
8-21	G. O. Travis	52.8	1.74	3.66	92.2
8-24	D. E. Olson	64.6	1.83	4.19	118.0
8-28	G. O. Travis	69.8	1.94	4.37	135.1
9- 1	D. E. Olson	70.1	1.97	4.43	138.0
9- 7	do	.....	.....	.....	.0
9-16	do	32.2	.22	2.25	6.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILLWAY 24.90 FROM BURWELL-SUMTER CANAL					
Measurements Made above Weir—Sec. 20-19-13 W.					
8-10	D. E. Olson	.....	.....	.....	0.01
8-20	do	.....	.....	.....	.0
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILLWAY 16.69 FROM ORD-NORTH LOUP CANAL					
Returned to North Loup River					
Measurements Made below Weir—Sec. 8-17-12 W.					
8-10	D. E. Olson	0.16	0.31	0.02	0.05
8-20	do	.....	.....	.....	.0
NORTH LOUP RIVER PUBLIC POWER & IRRIGATION DISTRICT, SPILLWAY 33.90 FROM TAYLOR-ORD CANAL					
Returned to North Loup River via Dane Creek					
Measurements Made below Weir—Sec. 16-19-14 W.					
8-10	D. E. Olson	1.37	2.11	0.55	2.9
8-20	do	.....	.....	.....	.1
NORTH PLATTE CANAL—D-635					
Diverted from North Platte River—Sec. 13-14-34 W.					
Measurements Made at Rating Flume					
10- 3	J. P. Hansen	15.0	2.62	0.50	39.4
10-16	do	.....	.....	.....	.0
10-24	do	.....	.....	.....	.0
4-17	E. S. Kimmel	.....	.....	.....	.0
4-24	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
5-28	do	57.1	1.56	.70	89.2
6- 4	do	56.6	1.08	.57	61.2
6-11	do	60.6	1.12	.60	67.7
6-19	do	59.2	1.03	.58	60.8
6-26	do	59.3	1.00	.56	59.2
7- 2	do	19.5	2.49	.55	48.5
7-16	do	37.1	4.95	1.06	183.4
7-30	do	37.8	5.25	1.18	198.0
8- 5	do	42.9	5.18	1.38	222.5
8-12	do	27.9	4.54	.88	126.4
8-19	do	39.9	5.12	1.22	204.5
8-26	do	37.2	5.36	1.14	199.2
9- 2	do	14.3	2.02	.41	28.9
9-10	do	11.7	1.60	.30	18.8
9-16	do	14.8	2.28	.46	33.8
9-24	do	15.6	2.26	.44	35.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		NORTH PLATTE CANAL SPILL			
		To Scout Creek—Sec. 24-14-31 W.			
10- 8	Melvin Kleen	1.8	1.28	0.31	2.3
5-28	do	3.6	1.69	.60	6.1
6- 8	do	4.2	2.07	.71	8.7
6-16	Fred Hervert	4.2	2.02	.70	8.5
6-19	Melvin Kleen	5.2	2.24	.86	11.6
7- 1	do	4.8	2.20	.79	10.6
7-22	do	.9	.89	.17	.8
7-29	do	5.4	2.33	.90	12.4
8- 3	do	.....	.....	.....	.2
8-11	do	.....	.....	.....	.0
8-19	do	1.8	1.22	.29	2.2
8-26	do	.....	.....	.07	.1
9-18	do	.....	.....	.12	.0
9-26	do	.....	.....	.....	.0
		NORTH PLATTE CANAL SPILL			
		Cook Spillway—Sec. 26-14-31 W.			
5-28	Melvin Kleen	3.7	1.48	.....	20.2
6- 9	do	8.3	1.28	0.90	10.6
6-16	Fred Hervert	9.5	1.32	.96	12.5
6-19	Melvin Kleen	.....	.....	.03	.0
7- 1	do	2.1	1.32	.45	2.8
7-22	do	1.2	.83	.32	1.0
7-29	do	9.5	1.24	.91	11.7
8-11	do	12.8	1.41	1.39	18.0
8-19	do	1.2	1.17	.32	1.4
8-26	do	.....	.....	.....	.0
9-18	do	11.0	1.26	1.01	13.9
9-26	do	14.0	1.34	1.24	18.8
		NORTH PLATTE CANAL SPILL			
		North Platte—Sec. 29-14-30 W.			
10- 8	Melvin Kleen	2.6	1.15	0.80	3.0
5-28	do	11.8	1.44	1.57	17.0
6- 9	do	7.2	1.29	1.21	9.3
6-19	do	6.2	1.28	1.22	7.9
7- 1	do	4.0	1.10	1.11	4.4
7-22	do	.8	.50	.80	.4
7-29	do	10.5	1.33	1.62	14.0
8- 3	do	4.6	1.22	1.19	5.6
8-11	do	14.9	1.64	1.97	24.5
8-19	do	.....	.....	.....	.1
8-26	do	2.3	1.30	.91	3.0
9-18	do	9.2	1.48	1.38	13.6
9-26	do	15.2	1.64	1.82	24.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	OBERFELDER CANAL—D-306				
	Diverted from Lodgepole Creek—Sec. 31-14-46 W.				
	Measurements Made at Headgate				
4-26	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-18	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
	OBERFELDER CANAL—D-333				
	Diverted from Lodgepole Creek—Sec. 31-14-46 W.				
	Measurements Made at Headgate				
4-26	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
	OBERMILLER PUMP—A-2139				
	Diverted from Middle Loup River—Sec. 28-13-12 W.				
	Measurements Made at Pump Site				
8-28	D. E. Olson	.....	.....	.....	0.0
	O'DONNELL CANAL—A-432, A-2036				
	Diverted from Big Bordeaux Creek—Sec. 9-34-48 W.				
	Measurements Made at Headgate				
3- 4	A. C. Hilpert	.....	.....	.....	0.0
4- 4	Hilpert-Rasmussen	.....	.....	.....	.0
4-29	A. C. Hilpert	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.9
6-27	do	.....	.....	.....	.2
7-17	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 8	do	0.87	0.23	.....	.2
	ORCHARD-ALFALFA CANAL—D-627				
	Diverted from Platte River—Sec. 9-10-24 W.				
	Measurements Made at Rating Flume				
10-10	Melvin Kleen	15.6	0.81	1.07	12.7
10-14	do	23.5	1.07	1.64	25.1
10-24	do	30.3	1.23	2.15	37.3
11- 6	do	15.9	1.33	1.07	21.1
11-13	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		ORCHARD-ALFALFA CANAL—Concluded			
4-17	Melvin Kleen	.....	.....	.....	0.0
5-14	do	.....	.....	.19	.1
5-23	do	.....	.....	.....	.0
6-17	do	27.4	1.23	1.91	33.6
7-10	do	.....	.....	.13	.6
7-17	do	.....	.....	.15	1.1
7-24	do	32.4	1.59	2.33	51.5
7-28	do	32.2	1.46	2.30	47.0
7-31	do	46.4	1.66	3.34	77.0
8- 4	do	43.3	1.64	3.09	71.1
8- 8	do	39.4	1.53	2.79	60.3
8-12	do	34.4	1.43	2.45	49.0
8-25	do	27.9	1.22	1.99	34.0
8-28	do	39.2	1.37	2.77	53.8
9-11	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0
		OSHKOSH CANAL—D-797, A-243			
		Diverted from North Platte River—Sec. 33-17-44 W.			
		Measurements Made at Rating Flume			
4- 6	E. S. Kimmel	.....	.....	.....	0.0
4-21	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-28	do	.....	.....	.....	.0
9-11	do	.....	.....	.....	.0
9-18	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
		OTTER CREEK CANAL—D-1032, A-1, A-1198, A-1240			
		Diverted from Otter Creek—Sec. 5-15-40 W.			
		Measurements Made at Headgate			
6-24	E. S. Kimmel	.....	.....	.....	0.0
8-11	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
		OWASCO CANAL—D-347, A-725			
		Diverted from Lodgepole Creek—Sec. 29-15-55 W.			
		Measurements Made at Rating Flume			
4-21	A. C. Hilpert	.....	.....	.....	0.0
6- 6	do	.....	.....	.....	.0
6-25	do	4.1	1.65	0.30	6.8
7-15	do	5.5	1.11	.50	6.1

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		OWASCO CANAL—Concluded			
8- 1	A. C. Hilpert	4.0	1.67	0.58	6.7
8-15	Hilpert-Hanna	3.5	1.56	.50	5.5
9- 3	do	3.0	1.63	.46	4.9
9-16	A. C. Hilpert	3.0	1.72	.32	5.2
		OWASCO CANAL (BAY STATE LATERAL)—D-347R			
		Diverted from Lodgepole Creek—Sec. 29-15-55 W.			
		Measurements Made out of Owasco Canal			
4-24	Hilpert-Hanna	----	----	----	0.0
6- 6	A. C. Hilpert	----	----	----	.0
6-25	do	----	----	----	.0
7-15	do	1.2	1.24	0.30	1.4
8- 1	do	1.8	1.32	.30	2.3
8-15	Hilpert-Hanna	2.2	1.09	.30	2.4
9- 3	do	2.6	1.12	.30	2.9
9-16	A. C. Hilpert	----	----	----	.0
		OX YOKE CANAL—D-477			
		Diverted from Ash Creek—Sec. 29-32-50 W.			
		Measurements Made at Headgate			
10-15	K. S. Essex	----	----	----	0.0
4-11	Hilpert-Rasmussen	----	----	----	.0
5-23	A. C. Hilpert	----	----	----	.0
6-13	do	----	----	----	.0
7- 6	do	----	----	----	.0
7-18	do	----	----	----	.0
8- 8	do	----	----	----	.0
8-22	do	----	----	----	.0
9-21	do	----	----	----	.0
		PAISLEY CANAL—D-800, A-515, A-1738			
		Diverted from Blue Creek and Crescent Lake, A-1575—Sec. 28-17-42 W.			
		Measurements Made at Rating Flume			
4- 4	Melvin Kleen	----	----	----	0.0
4-22	E. S. Kimmel	----	----	----	.0
6-16	do	----	----	----	.0
6-23	do	----	----	----	.0
7-14	do	----	----	----	.0
7-28	do	8.9	1.15	1.12	10.2
8- 3	do	----	----	----	.0
8-10	do	9.4	1.35	1.19	12.7
8-17	do	----	----	----	.0
8-24	do	5.9	1.24	.75	7.3
8-31	do	5.7	1.17	.73	6.7

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		PAISLEY CANAL—Concluded			
9- 8	E. S. Kimmel	7.8	1.42	1.00	11.1
9-14	do	6.8	1.36	.88	9.2
9-21	do	9.6	1.54	1.20	14.7
9-29	do	4.4	1.38	.62	6.1
		PARKS CANAL—A-1202, A-1444, A-1555 Diverted from Republican River—Sec. 20-1-39 W. Measurements Made at Headgate			
11-20	D. B. Ender	.....	.....	.....	1.0
11-26	do	.....	.....	.....	.0
4- 2	do	.....	.....	.....	.0
4-17	do	.....	.....	.....	.0
4-29	do	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
5-28	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-23	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-19	do	5.3	0.98	.....	5.2
9-11	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0
		PAXTON-HERSHEY CANAL—D-653 Diverted from North Platte River—Sec. 18-14-33 W. Measurements Made at Rating Flume			
10-16	J. P. Hansen	.....	.....	.....	0.0
10-24	do	.....	.....	.....	.0
4- 9	E. S. Kimmel	1.45	0.76	0.04	1.1
4-24	do	.....	.....	.....	.0
5- 9	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
5-28	do	26.7	1.81	.80	48.4
6- 4	do	9.2	1.21	.30	11.1
6-11	do	22.1	1.65	.68	36.5
6-19	do	16.8	1.46	.53	24.5
6-26	do	12.1	1.21	.43	14.6
7- 2	do	30.3	1.78	.95	53.9
7-16	do	41.2	2.04	1.22	83.9
7-30	do	32.2	1.62	.91	52.0
8- 5	do	49.2	1.71	1.36	84.3
8-12	do	15.9	4.19	.97	66.6
8-19	do	25.4	3.93	1.44	99.9
8-26	do	22.2	4.30	1.32	95.4
9- 2	do	24.0	3.97	1.33	95.2
9-10	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
9-24	do	7.6	.46	.15	3.5

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		PAXTON-HERSHEY CANAL SPILL			
		Sec. 14-14-32 W.			
10- 8	Melvin Kleen	12.0	1.02	0.35	12.2
6- 2	do	18.0	1.90	.78	34.3
6- 8	do	15.6	1.23	.49	19.2
6-16	Fred Hervert	6.4	4.39	.61	28.1
6-19	Melvin Kleen	2.8	.50	.04	1.4
7-11	do	2.6	.62	.06	1.6
7-22	do	15.2	1.39	.52	21.1
7-29	do	7.3	5.29	.79	38.6
8- 3	do	.....	.....	-.04	.3
8-14	do	6.4	4.53	.72	29.2
8-26	do	6.8	.80	.18	5.4
9-26	do	11.2	.86	.30	9.7
		PEMBERTON PUMP—A-2790			
		Diverted from North Loup River—Sec. 2-16-12 W.			
		Measurements Made at Pump Site			
8-27	D. E. Olson	----	----	----	0.0
		PERRY PUMP—A-2620			
		Diverted from Mud (Beaver) Creek—Sec. 3-12-15 W.			
		Measurements Made at Pump Site			
8-12	D. E. Olson	----	----	.....	0.0
		PERSINGER CANAL—D-297			
		Diverted from Lodgepole Creek—Sec. 33-14-46 W.			
		Measurements Made at Headgate			
4-26	A. C. Hilpert	----	----	----	0.0
6- 5	do	----	----	----	.0
6-23	do	3.0	0.37	----	1.1
7-14	do	----	----	----	.0
7-30	do	----	----	----	.0
8-18	do	----	----	----	.0
9- 4	do	----	----	----	.0
9-17	do	----	----	----	.0
		PETER CANAL—D-913			
		Diverted from Pumpkinseed Creek—Sec. 2-19-56 W.			
		Measurements Made at Headgate			
4-21	A. C. Hilpert	----	----	----	0.0
5-14	do	----	----	----	.0
6-20	do	----	----	----	.0
7-11	do	3.2	0.48	----	1.5
7-29	do	.6	.20	----	.1
8-14	do	.7	.78	----	.5

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
PHELPS COUNTY CANAL—A-2355					
Diverted from Platte River through Maxwell Diversion—Sec. 8-13-29 W.					
Measurements Made in Sec. 2-8-21 W.					
1-22	Fred Hervert	.....	.....	0.76	75.6
3- 9	Melvin Kleen	92.0	1.62	1.11	150.0
3-13	Fred Hervert	.....	.....	2.34	481.4
3-14	Fred Hervert	.....	.....	1.09	149.0
3-18	do	.....	.....	1.13	141.0
3-18	Melvin Kleen	144.0	1.18	1.29	169.3
4-13	Fred Hervert	.....	.....	2.22	487.0
4-22	do	268.0	2.30	5.35	615.0
4-23	do	.....	.....	4.95	448.0
4-28	do	.....	.....	3.20	313.0
4-30	do	.....	.....	3.35	303.0
5- 5	do	.....	.....	3.35	328.0
5-13	do	.....	.....	1.82	126.0
5-18	Melvin Kleen	75.0	1.40	.87	104.0
5-25	do	2.4	1.17	.13	2.8
5-28	Fred Hervert	.....	.....	1.40	214.0
6- 1	do	177.0	2.15	2.07	380.0
6- 4	Melvin Kleen	1.0	.90	.....	.9
6- 9	Fred Hervert	.....	.....	2.68	519.0
6-11	Melvin Kleen	113.0	1.47	1.16	166.0
6-30	Fred Hervert	.....	.....	.61	58.4
7-11	Fred Hervert	.....	.....	1.08	128.9
7-14	Melvin Kleen	84.3	1.67	1.21	141.0
7-18	Fred Hervert	.....	.....	1.90	315.0
7-23	Melvin Kleen	220.8	2.15	2.33	474.0
7-30	do	277.0	2.00	2.62	583.0
8- 7	do	263.0	2.28	2.60	599.0
8-11	Fred Hervert	.....	.....	2.97	632.0
8-17	Melvin Kleen	218.0	2.16	2.33	473.0
8-22	do	184.0	2.20	2.17	405.0
9- 9	do	19.0	1.20	.54	22.7
9-22	do	93.8	1.28	1.01	120.0
9-29	do	93.0	1.32	1.03	123.0
PIONEER CANAL, NORTH—D-442a					
Diverted from Niobrara River—Sec. 36-29-51 W.					
Measurements Made at Headgate					
10-16	K. S. Essex	.....	.....	.....	0.0
11-20	Ivan W. Bauer	.....	.....	.....	.0
4-15	Hilpert-Rasmussen	.....	.....	.....	.0
5-29	A. C. Hilpert	.....	.....	.....	.0
6-15	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	PIONEER CANAL, NORTH—Concluded				
7- 3	A. C. Hilpert				0.0
7-22	do	9.1	0.45		4.1
8- 7	do	5.7	.53		3.0
8-26	do	5.0	.43		2.2
9-24	do	3.2	.58		1.8
	PIONEER CANAL, SOUTH—D-442b				
	Diverted from Niobrara River—Sec. 31-29-50 W.				
	Measurements Made at Headgate				
10-16	K. S. Essex				0.0
5-29	A. C. Hilpert				.0
6-15	do				.0
7- 3	do				.0
7-22	do	5.6	0.30		1.7
8- 7	do	11.7	.34		3.4
8-26	do	9.1	.19		1.7
9-24	do	6.4	.14		.9
	PLUNKETT RESERVOIR CANAL—A-2031				
	Diverted from Prairie Dog Creek—Sec. 25-33-56 W.				
	Measurements Made at Headgate				
3- 5	Hilpert-Rasmussen				0.0
4-13	do				.0
	POTMESIL CANAL—A-2566				
	Diverted from Niobrara River—Sec. 26-29-48 W.				
	Measurements Made at Headgate				
10-16	K. S. Essex				0.0
2-10	A. C. Hilpert				.0
3- 3	do				.0
4- 2	do				.0
4-28	do				.0
6- 1	do				.0
6- 8	do				0
6-26	do				.0
7-16	do				.0
8- 3	do				.0
8-20	do				.0
9- 5	do				.0
9-19	do				.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		PREMIER CANAL—D-340			
		Diverted from Lodgepole Creek—Sec. 3-14-58 W.			
		Measurements Made at Headgate			
4-22	Hilpert-Hanna	.....	.....	.....	0.0
6- 6	A. C. Hilpert	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8- 1	do	.....	.....	.....	.0
8-15	Hilpert-Hanna	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
9-16	A. C. Hilpert	.....	.....	.....	.0
		PRINGLE CANAL—A-824			
		Diverted from Horse Creek—Sec. 14-1-39 W.			
		Measurements Made at Headgate			
4- 3	D. B. Ender	.....	.....	.....	0.0
		RADCLIFFE CANAL NO. 1—D-1034a			
		Diverted from Cedar Creek—Sec. 28-18-48 W.			
		Measurements Made below Headgate			
7- 2	E. S. Kimmel	3.7	1.19	.....	4.4
		RALTON CANAL—A-882			
		Diverted from Lodgepole Creek—Sec. 36-13-45 W.			
		Measurements Made at Headgate			
6- 4	A. C. Hilpert	.....	.....	.....	0.0
6-23	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-18	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
		RAMSHORN CANAL—D-918R, D-945			
		Diverted from North Platte River—Sec. 18-23-57 W.			
		Measurements Made at Rating Flume—Sec. 19-23-57 W.			
6-18	J. P. Hansen	10.0	0.17	0.10	1.7
7-23	do	9.6	1.21	.79	11.6
8-13	do	10.0	.45	.20	4.5
8-27	do	6.0	.89	.50	5.3
9- 9	do	18.4	.45	.33	8.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		RANDALL CANAL—A-1100			
		Diverted from Lawrence Fork—Sec. 21-18-52 W.			
		Measurements Made at Headgate			
4-20	A. C. Hilpert				0.0
5-14	do				.0
6-19	do				.0
7-10	do				.0
7-15	J. P. Hansen	3.2	0.94		3.0
7-16	do	2.1	.52	0.50	1.1
7-21	do				.0
7-29	A. C. Hilpert				.0
8-14	do	3.6	1.14		4.1
9- 2	do				.0
9-15	do				.0
9-30	do				.0
		RANKIN CANAL—A-2477			
		Diverted from Middle Loup River—Sec. 4-21-23 W.			
		Measurements Made at Headgate			
6-16	D. E. Olson				0.0
7- 7	do				.0
7-23	do				.0
8-15	do				.0
9-17	do				.0
		RASHER CANAL—D-467, A-456, A-534			
		Diverted from White River—Sec. 19-32-51 W.			
		Measurements Made at Headgate			
10-15	K. S. Essex				0.0
4-10	Hilpert-Rasmussen				.0
5- 6	A. C. Hilpert				.0
5-23	do				.0
6-13	do				.0
7- 6	do				.0
7-18	do				.0
8- 7	do				.0
8-21	do				.0
9- 8	do				.0
9-21	do				.0
		RASHER-FORBES CANAL—A-1128			
		Diverted from White River—Sec. 19-32-51 W.			
		Measurements Made at Headgate			
4-10	Hilpert-Rasmussen				0.0
5- 6	A. C. Hilpert				.0
5-23	do				.0
6-13	do				.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		RIVERSIDE CANAL—D-156			
		Diverted from Republican River—Sec. 29-1-37 W.			
		Measurements Made near Headgate			
7-24	D. B. Ender	----	----	----	0.0
8- 7	do	----	----	----	.0
8-19	do	----	----	----	.0
9-12	do	----	----	----	.0
9-25	do	----	----	----	.0
		RIVERSIDE CANAL—D-18, A-1674			
		Diverted from Frenchman River—Sec. 33-4-32 W.			
		Measurements Made near Headgate			
4- 3	D. B. Ender	----	----	----	0.0
4-17	do	----	----	----	.0
5- 1	do	----	----	----	.0
5-23	do	7.9	1.02	----	8.0
6- 4	do	10.1	1.26	1.79	12.8
7- 1	do	8.4	1.16	1.51	9.8
7-10	do	6.0	1.12	----	6.7
7-28	do	11.2	1.19	----	13.4
8-14	do	9.2	1.21	1.61	11.2
8-27	do	11.7	.96	2.00	11.2
9-17	do	8.6	.90	1.42	7.7
		ROGERS PUMP—A-2107			
		Diverted from Elm Creek—Sec. 25-19-14 W.			
		Measurements Made at Pump Site			
8-27	D. E. Olson	----	----	----	0.0
		ROUND HOUSE ROCK CANAL—D-884			
		Diverted from Pumpkinseed Creek—Sec. 28-19-51 W.			
		Measurements Made at Rating Flume			
10-10	J. P. Hansen	----	----	----	0.0
4-20	A. C. Hilpert	----	----	----	.0
5-14	do	----	----	----	.0
6-19	do	----	----	----	.0
7-10	do	----	----	----	.0
7-29	do	----	----	----	.0
8-14	do	----	----	----	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		ROUND HOUSE ROCK CANAL—Concluded			
9- 2	A. C. Hilpert	.....	.....	....	0.0
9-15	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	.0
		RUNGE CANAL NO. 1—D-339			
		Diverted from Lodgepole Creek—Sec. 20-14-50 W.			
		Measurements Made near Headgate			
4-23	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-15	do	1.4	1.29	.....	1.8
7-31	do	1.2	.58	.....	.7
8-17	do	.....	.....	.....	.0
9- 3	do	1.4	.76	.....	1.1
9-16	do	1.6	.71	.....	1.1
		RUTTNER CANAL—A-906			
		Diverted from Lodgepole Creek—Sec. 30-14-47 W.			
		Measurements Made at Headgate			
4-26	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.2
8-17	do	0.6	0.33	.....	.2
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
		RUTTNER CANAL, NEW—D-350R, A-727, A-857, A-869			
		Diverted from Lodgepole Creek—Sec. 36-15-57 W.			
		Measurements Made at Headgate			
4-22	Hilpert-Hanna	1.2	1.83	0.35	2.2
6- 6	A. C. Hilpert	1.8	.94	.28	1.7
6-25	do	.....	.....	.....	.0
7-15	do	1.8	.47	.45	2.7
8- 1	do	1.6	.38	.44	.6
8-15	Hilpert-Hanna	2.0	.50	.49	1.0
9- 3	do	1.2	.50	.30	.6
9-16	A. C. Hilpert	1.4	.50	.34	.7
		SCHAEFER RESERVOIR SUPPLY CANAL—A-2306			
		Diverted from Sow Belly Creek—Sec. 7-32-55 W.			
		Measurements Made at Headgate			
7- 7	A. C. Hilpert	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		SCHILT CEDAR CREEK CANAL—D-507			
		Diverted from Cedar Creek—Sec. 35-33-56 W.			
		Measurements Made at Headgate			
2-11	A. C. Hilpert	.....	.....	.....	0.0
3- 5	Hilpert-Rasmussen	0.4	0.94	.....	.3
4-13	do	.....	.....	.....	.0
5-27	do	.....	.....	.....	.0
6-16	A. C. Hilpert	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.1
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
		SCHILT-MONROE CANAL—D-509			
		Diverted from Monroe Creek—Sec. 27-33-56 W.			
		Measurements Made at Headgate			
6-16	A. C. Hilpert	.....	.....	.....	0.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	0
		SCHILT-PRAIRIE DOG CANAL—D-508			
		Diverted from Prairie Dog Creek—Sec. 35-33-56 W.			
		Measurements Made at Headgate			
2-11	A. C. Hilpert	0.4	0.42	.....	0.2
3- 5	Hilpert-Rasmussen	.9	.47	.....	.4
4-13	do	.5	.38	.....	.2
5-27	do	.6	.73	.....	.4
6-16	A. C. Hilpert	.2	.79	.....	.2
7- 7	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	1
8- 5	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
		SCHULZ PUMP—A-3205			
		Diverted from Mud (Beaver) Creek—Sec. 7-12-14 W.			
		Measurements Made at Pump Site			
8-11	D. E. Olson	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		SCOTT CANAL—A-711			
		Diverted from Pumpkinseed Creek—Sec. 7-19-55 W.			
		Measurements Made at Headgate			
4-21	A. C. Hilpert	3.4	0.65	———	2.2
5-14	do	———	———	———	.0
6-20	do	2.0	.57	———	1.1
7-11	do	1.7	.69	———	1.2
7-29	do	1.8	.61	———	1.1
8-14	do	1.0	.58	———	.6
		SCRIPTER CANAL—A-2288			
		Diverted from Clear Creek—Sec. 32-16-41 W.			
		Measurements Made at Headgate			
6- 3	E. S. Kimmel	———	———	———	0.5
6-24	do	———	———	———	.0
7-15	do	5.2	0.42	0.82	2.1
7-27	do	———	———	.22	.0
8-11	do	1.8	.12	.28	.2
8-25	do	4.6	.23	.70	1.1
9- 9	do	———	———	.25	.1
9-23	do	———	———	.34	.2
		SEEGRIST CANAL—A-1569			
		Diverted from Indian Creek—Sec. 3-31-50 W.			
		Measurements Made at Headgate			
4-11	Hilpert-Rasmussen	———	———	———	0.0
		SEEGRIST CANAL—A-1823			
		Diverted from Renfro Reservoir, A-1822—Sec. 3-31-50 W.			
		Measurements Made at Headgate			
4-11	Hilpert-Rasmussen	———	———	———	0.0
		SHELDON CANAL—A-493			
		Diverted from East Ash Creek—Sec. 30-32-50 W.			
		Measurements Made at Headgate			
4-11	Hilpert-Rasmussen	———	———	———	0.0
9-21	A. C. Hilpert	———	———	———	.0
		SHEPHERD CANAL—A-1965			
		Diverted from Squaw Creek—Sec. 36-34-57 W.			
		Measurements Made at Headgate			
11-18	Ivan W. Bauer	———	———	———	0.0
3- 9	A. C. Hilpert	———	———	———	.0
4-14	Hilpert-Rasmussen	1.8	1.13	———	2.0
5-27	do	———	———	———	.0
8- 6	A. C. Hilpert	.3	.64	———	.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		SHERBECK PUMP—A-1894			
		Diverted from Mud (Beaver) Creek—Sec. 4-16-17 W.			
		Measurements Made at Pump Site			
8-26	D. E. Olson	.....	.....	.....	0.0
		SHERBECK PUMP—A-2884			
		Diverted from Mud (Beaver) Creek—Sec. 5-16-17 W.			
		Measurements Made at Pump Site			
8-26	D. E. Olson	.....	.....	.....	0.0
		SHERBECK PUMP—A-2884			
		Diverted from Mud (Beaver) Creek—Sec. 5-15-18 W.			
		Measurements Made at Pump Site			
8-26	D. E. Olson	.....	.....	.....	0.0
		SHERBECK PUMP—A-3090			
		Diverted from Mud (Beaver) Creek—Sec. 15-15-18 W.			
		Measurements Made at Pump Site			
8-25	D. E. Olson	1.1	1.84	.....	2.0
		SHERIDAN-WILSON CANAL—D-710			
		Diverted from North Platte River—Sec. 20-14-35 W.			
		Measurements Made at Rating Flume			
4-17	E. S. Kimmel	.....	.....	.....	0.0
4-23	do	.....	.....	.....	.0
5- 8	do	.....	.....	.....	.0
6- 4	do	.....	.....	.....	.0
6-11	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7- 1	do	.....	.....	.....	.0
7-16	do	20.0	0.80	1.19	16.0
7-29	do	23.2	.29	.55	6.8
8- 5	do	21.5	.72	1.12	15.4
8-12	do	14.4	.60	.51	8.6
8-19	do	6.0	.96	.18	5.8
8-26	do	10.8	.81	.57	8.8
9- 3	do	1.0	.78	.00	.7
9-10	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	0
9-24	do	.....	.....	.....	.0
9-30	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		SHORT LINE CANAL—D-946			
		Diverted from North Platte River—Sec. 25-21-53 W.			
		Measurements Made at Rating Flume			
6- 2	J. P. Hansen	.....	.....	.....	0.0
6- 9	do	.....	.....	.....	.0
7- 8	do	6.0	0.85	0.20	5.1
7-21	do	7.9	2.37	.50	18.7
7-28	do	5.7	.96	.11	5.5
8-11	do	5.1	1.73	.27	8.8
8-22	do	.....	.....	.....	.0
8-25	do	7.0	1.71	.42	12.0
9-22	do	5.5	1.02	.20	5.6
9-29	do	5.4	1.38	.38	7.4
		SIGNAL BLUFF CANAL—D-807			
		Diverted from North Platte River—Sec. 16-16-43 W.			
		Measurements Made at Rating Flume			
4-22	E. S. Kimmel	.....	.....	.....	0.0
6-30	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
		SIMONS CANAL—A-2363			
		Diverted from Little Cottonwood Creek—Sec. 9-32-51 W.			
		Measurements Made at Headgate			
10-15	K. S. Essex	.....	.....	.....	0.0
2-23	Hilpert-Rasmussen	.....	.....	.....	.0
3- 4	A. C. Hilpert	1.5	0.58	.....	.9
4- 3	do	.8	.73	.....	.6
5-23	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
7-17	do	2.4	.63	.....	1.5
8- 4	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0
		SIX MILE CANAL—D-680			
		Diverted from Platte River and Sutherland Reservoir—Sec. 11-11-26 W.			
		Measurements Made at Rating Flume			
10- 9	Melvin Kleen	1.0	0.30	0.21	0.3
10-17	do	.....	.....	.....	.0
4-17	do	1.3	.62	.23	.8
5-23	do	3.6	.89	.46	3.2
5-27	do	2.4	.62	.29	1.5
6- 5	do	.....	.....	.07	.1

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		SIX MILE CANAL—Concluded			
6-17	Melvin Kleen	3.0	0.63	0.34	1.9
7-10	do	1.5	.60	.24	.9
7-17	do	.....	.....	.....	.0
7-25	do	7.2	1.26	.91	9.1
7-31	do	10.0	1.23	1.26	12.3
8- 8	do	5.2	1.17	.64	6.1
8-12	do	2.9	.79	.36	2.3
8-20	do	.....	.....	.26	.8
8-25	do	5.3	1.19	.66	6.3
9-11	do	.....	.....	.15	.2
9-24	do	.....	.....	.....	.0
		SKOCHDOPOLE PUMP—A-1871			
		Diverted from Mud (Beaver) Creek—Sec. 1-12-15 W.			
		Measurements Made at Pump Site			
8-12	D. E. Olson	.....	.....	.....	0.0
		SLATTERY CANAL—D-543, A-1683			
		Diverted from Jim Creek and Caladonia Reservoir, A-1680—Sec. 13-33-57 W.			
		Measurements Made at Headgate			
3- 9	A. C. Hilpert	0.4	0.80	.....	0.3
4-14	Hilpert-Rasmussen	.....	.....	.....	.0
7- 7	A. C. Hilpert	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
		SLATTERY CANAL—A-749, A-2021			
		Diverted from Dead Horse Creek—Sec. 32-33-49 W.			
		Measurements Made at Headgate			
4-11	Hilpert-Rasmussen	.....	.....	.....	0.0
5-28	A. C. Hilpert	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.1
9-21	do	.....	.....	.....	.0
		SLOTE PUMP—A-2391			
		Diverted from Mud (Beaver) Creek—Sec. 33-14-16 W.			
		Measurements Made at Pump Site			
8-12	D. E. Olson	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	SMITH PUMP—A-2154				
	Diverted from Haskell Creek—Sec. 9-19-14 W.				
	Measurements Made at Pump Site				
8-27	D. E. Olson	.....	.....	.....	0.0
	SMITH-WHEELER CANAL—D-842				
	Diverted from Pumpkinseed Creek—Sec. 26-19-51 W.				
	Measurements Made at Headgate				
10-10	J. P. Hansen	.....	.....	0.80	0.1
4-20	A. C. Hilpert	1.6	0.60	1.07	1.0
5-14	do	.....	.....	.....	.0
6- 3	do	.8	.38	.94	.3
6-19	do	.7	.15	1.02	.1
7-10	do	1.0	.23	1.16	.2
7-29	do	.8	.47	.78	.4
8-14	do	.6	.51	.82	.3
9- 2	do	.7	.57	.90	.4
9-15	do	.6	.32	.80	.2
9-30	do	.5	.16	.95	.1
	SMOCK CANAL—D-465				
	Diverted from Trunk Butte Creek—Sec. 26-32-50 W.				
	Measurements Made at Headgate				
4-11	Hilpert-Rasmussen	.....	.....	.....	0.0
	SODERQUIST CANAL—A-1237, A-1420				
	Diverted from Lodgepole Creek—Sec. 36-13-45 W.				
	Measurements Made at Headgate				
6- 4	A. C. Hilpert	.....	.....	.....	0.0
6-23	do	.....	.....	.....	.0
7-13	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-18	do	.....	.....	.....	.0
9- 4	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
	SORENSEN PUMP—A-1884				
	Diverted from Mud (Beaver) Creek—Sec. 21-16-19 W.				
	Measurements Made at Pump Site				
8-26	D. E. Olson	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		SOUTHER LAKE—A-915			
		Diverted from Hooker Creek—Sec. 30-32-51 W.			
4-10	Hilpert-Rasmussen	.....	.....	.....	0.0
		SOW BELLY CANAL, OLD—D-533			
		Diverted from Sow Belly Creek—Sec. 7-32-55 W.			
		Measurements Made at Headgate			
4-14	Hilpert-Rasmussen	.....	.....	.....	0.0
6-16	A. C. Hilpert	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
		SOW BELLY SUPPLY CANAL, OLD—A-2306			
		Diverted from Sow Belly Creek—Sec. 5-32-55 W.			
		Measurements Made near Headgate			
4-14	Hilpert-Rasmussen	.....	.....	.....	0.0
6-16	A. C. Hilpert	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
		SPOHN CANAL—D-801			
		Diverted from North Platte River—Sec. 13-17-45 W.			
		Measurements Made at Rating Flume			
6- 2	E. S. Kimmel	.....	.....	.....	0.0
8- 3	do	.....	.....	.....	.0
8- 7	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
8-20	do	5.4	1.32	1.35	7.1
8-21	do	6.0	1.08	1.50	6.5
8-28	do	6.2	1.16	1.57	7.2
9- 4	do	5.4	1.28	1.37	7.0
9-11	do	5.8	.63	1.45	3.6
9-18	do	.....	.....	.....	.0
9-25	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	SPRING BRANCH CANAL—D-862, D-893, A-669				
	Diverted from Lawrence Fork—Sec. 11-18-52 W.				
	Measurements Made at Headgate				
4-20	A. C. Hilpert	0.6	0.62		0.4
5-14	do				.0
6-19	do	.4	.42		2
7-10	do	2.6	1.27		3.4
7-21	J. P. Hansen	.4	1.14		.5
7-29	A. C. Hilpert	3.0	1.17		3.5
8-14	do	1.6	.74		1.2
9- 2	do	1.7	.81		1.4
9-15	do	.4	.66		.2
9-30	do	.3	.57		2
	SPRING CREEK CANAL—D-532				
	Diverted from Sow Belly Creek—Sec. 7-32-55 W.				
	Measurements Made at Headgate				
4-14	Hilpert-Rasmussen				0.2
	SPRING CREEK CANAL NO. 1—D-473				
	Diverted from Spring Creek, Tributary to Little Cottonwood Creek				
	Measurements Made at Headgate				
2-23	Hilpert-Rasmussen				0.0
3- 4	A. C. Hilpert				.0
4- 3	do				.0
5-23	do				.0
6- 9	do				.0
7- 6	do				.0
7-17	do				.0
8- 4	do				.0
8-21	do				.0
9- 8	do				.0
9-21	do				.0
	SQUAW CREEK CANAL—D-466				
	Diverted from Spring Creek—Sec. 13-32-52 W.				
	Measurements Made at Headgate				
4-10	Hilpert-Rasmussen				0.0
	STEWART PUMP—A-2158				
	Diverted from North Loup River—Sec. 9-19-15 W.				
	Measurements Made at Pump Site				
8-27	D. E. Olson				0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
STUART BROTHERS CANAL, NORTH—A-8					
Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.					
Measurements Made at Headgate					
3- 6	Hilpert-Rasmussen				0.0
4-10	do				.0
5-23	A. C. Hilpert				.0
6- 9	do				.0
7- 6	do				.0
7-17	do				.0
8- 4	do				.0
8-21	do				.0
9- 8	do				.0
9-21	do				.0
STUART BROTHERS CANAL, SOUTH—A-8					
Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.					
Measurements Made at Headgate					
3- 6	Hilpert-Rasmussen	1.5	0.39		0.6
4-10	do				.0
5-23	A. C. Hilpert				.0
6- 9	do				.0
7- 6	do				.0
7-17	do				.0
8- 4	do				.0
8-21	do				.0
9- 8	do				.0
9-21	do				.0
STUART-MAPLE CANAL—A-656					
Diverted from Little Cottonwood Creek—Sec. 3-32-52 W.					
Measurements Made near Headgate					
4-10	Hilpert-Rasmussen				0.0
STUART, THOMAS, CANAL—(See Thomas Stuart Canal)					
STUMPH CANAL—D-447R, D-1023½					
Diverted from East Ash Creek—Sec. 31-32-50 W.					
Measurements Made at Headgate					
10-15	K. S. Essex				0.0
4-11	Hilpert-Rasmussen				.0
5-23	A. C. Hilpert				.0
6-14	do				.0
7- 6	do				.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		STUMPH CANAL—Concluded			
7-18	A. C. Hilpert	.....	.....	.....	0.0
8- 8	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0
		SUBURBAN CANAL—D-662			
		Diverted from North Platte River—Sec. 12-14-33 W.			
		Measurements Made at Rating Flume			
10- 8	Melvin Kleen	9.8	1.20	0.18	11.8
10-18	do	1.5	.77	.02	1.2
4- 3	do	2.2	.95	.09	2.1
5-15	do	4.3	.64	.00	2.8
6- 2	do	18.0	1.50	.44	27.0
6- 8	do	17.2	1.32	.40	22.7
6-19	do	19.1	1.16	.39	22.1
6-27	do	20.2	1.19	.41	24.0
7-11	do	16.8	1.19	.35	20.0
7-22	do	35.3	1.88	.91	66.3
7-29	do	44.5	2.09	1.15	93.4
8- 3	do	56.5	2.07	1.35	117.4
8-11	do	33.6	2.04	.76	68.5
8-14	do	28.7	2.21	.70	63.3
8-19	do	31.0	2.19	.74	67.9
8-26	do	32.2	2.27	.82	73.1
9-10	do	6.0	.66	.18	4.0
9-18	do	5.4	.65	.14	3.5
		SUBURBAN CANAL—D-662 (O. D. A-2648)			
		Diverted from Lincoln County Drain No. 1—Sec. 29-14-31 W.			
		Measurements Made below Headgate			
10- 8	Melvin Kleen	6.1	0.56	1.26	3.4
10-11	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
8-11	do	.....	.....	.....	.0
		SUBURBAN CANAL—D-662			
		Diverted from Lincoln County Drain No. 1A—Sec. 25-14-32 W.			
		Measurements Made below Headgate			
10- 2	Melvin Kleen	10.5	1.07	.....	11.2
10-11	do	.....	.....	.....	.0
5-15	do	.....	.....	.....	.0
7-22	do	.....	.....	.....	.0
8-11	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SUTHERLAND RESERVOIR SUPPLY CANAL—					
A-2350, A-2352, A-2353, A-2361					
Diverted from North Platte River—Sec. 7-14-37 W.					
Measurements Made at Gaging Station					
10- 2	J. P. Hansen	474	2.75	10.45	1300
10- 8	do	305	2.40	7.47	730
12-13	Hahn-Hervert	409	2.61	9.30	1070
12-18	Melvin Kleen	463	2.87	10.31	1330
12-22	Hervert-Hahn	468	2.82	10.34	1310
12-27	Fred Hervert	399	2.60	9.13	1040
1-15	do	.....	.....	.....	18
2-28	do	.....	.....	.....	16
3-16	do	157	1.71	4.32	269
3-24	Melvin Kleen	174	1.65	4.67	287
3-30	Fred Hervert	176	1.77	4.74	312
4- 8	E. S. Kimmel	157	1.84	4.74	320
4-14	Fred Hervert	174	1.72	4.69	300
4-15	E. S. Kimmel	169	1.78	4.68	300
4-22	do	83	.70	.....	58
5-15	do	.....	.....	.....	0
5-20	do	.....	.....	.....	0
6- 3	do	199	.98	5.26	394
6- 6	Fred Hervert	169	1.62	4.60	274
6-13	E. S. Kimmel	295	2.21	7.15	652
6-17	do	301	2.34	7.35	705
6-25	do	275	2.37	6.85	652
6-29	Fred Hervert	267	2.34	6.73	626
7- 1	E. S. Kimmel	266	2.35	6.65	625
7-13	Fred Hervert	298	2.40	7.31	717
7-15	E. S. Kimmel	344	2.53	8.12	871
7-21	Fred Hervert	538	2.81	11.38	1510
7-27	E. S. Kimmel	556	2.79	11.74	1550
8- 2	Fred Hervert	563	2.72	11.78	1530
8- 4	E. S. Kimmel	584	2.79	12.12	1630
8- 6	Paul Hahn	575	2.80	11.98	1600
8-12	E. S. Kimmel	589	2.84	12.20	1672
8-14	Paul Hahn	581	2.75	12.08	1600
8-17	do	592	2.80	12.24	1650
8-18	Fred Hervert	597	2.78	12.31	1660
8-25	E. S. Kimmel	592	2.68	.....	1580
9- 1	do	591	2.78	.....	1640
9- 9	do	540	2.76	.....	1490
9-15	do	541	2.77	.....	1500
9-18	Fred Hervert	206	2.81	10.90	1420
9-23	E. S. Kimmel	348	2.43	.....	846
9-30	do	355	2.49	.....	882

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		SUTTON PUMP—A-1962			
		Diverted from Clear Creek—Sec. 36-16-17 W.			
		Measurements Made at Pump Site			
8-26	D. E. Olson	.....	.....	.....	0.0
		TALBOT PUMP—A-3210			
		Diverted from Mud (Beaver) Creek—Sec. 17-16-19 W.			
		Measurements Made at Pump Site			
8-26	D. E. Olson	.....	.....	.....	0.0
		THIRTY MILE CANAL—A-1853, A-1976, A-2077			
		Diverted from Platte River and Sutherland Reservoir—Sec. 30-12-26 W.			
10- 9	Melvin Kleen	31.0	2.55	1.52	79.0
10-17	do	32.0	2.65	1.58	84.8
10-24	do	34.0	2.70	1.68	91.6
10-30	do	37.0	2.70	1.83	100.0
11- 6	do	37.0	2.78	1.82	102.7
11-15	do	26.0	2.08	1.26	54.1
11-21	do	26.0	2.24	1.32	58.3
12- 2	do	2.8	.61	.29	1.7
4- 2	do	2.0	.90	.30	1.8
5-20	do	14.0	1.65	.73	23.0
5-27	do	22.0	2.26	1.11	49.7
6- 5	do	23.0	2.35	1.16	54.1
6-18	do	38.0	2.67	1.87	101.3
7- 2	do	27.6	2.28	1.38	62.9
7- 9	do	24.4	2.30	1.22	56.0
7-25	do	33.6	2.50	1.68	84.1
7-31	do	69.0	2.83	3.46	195.2
8- 6	do	74.0	2.91	3.70	215.4
8-12	do	69.0	2.82	3.45	194.6
8-20	do	64.4	2.90	3.22	187.0
8-25	do	60.0	2.84	3.00	170.7
9-11	do	19.0	1.81	.95	34.4
9-19	do	22.0	1.85	1.10	40.8
9-24	do	21.6	1.86	1.08	40.2
		THIRTY MILE CANAL SPILL, LITTLE SPILLWAY			
		Sec. 35-11-25 W.			
10- 7	Melvin Kleen	2.5	0.52	-0.10	1.3
10-24	do	.....	.....	- .46	.2
11- 6	do	1.6	.51	- .11	.5
11-21	do	2.4	.67	- .09	1.6
5-23	do	5.2	.94	1.20	4.9
6-17	do	6.8	1.32	1.54	9.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
THIRTY MILE CANAL SPILL, LITTLE SPILLWAY—Concluded					
7-10	Melvin Kleen	7.4	1.15	1.49	8.5
7-17	do	2.4	.83	.70	2.0
7-24	do	.....	.....	.....	.0
8- 4	do	.8	.50	.34	.4
8-12	do	.....	.....	.19	.0
8-25	do	4.4	1.23	1.19	5.4
8-28	do	2.2	1.09	.78	2.4
9-11	do	4.4	1.27	1.21	5.6
9-17	do	4.4	1.32	1.19	5.8
9-24	do	.....	.....	.19	.0
THIRTY MILE CANAL SPILL, MIDDLE SPILLWAY Sec. 7-10-24 W.					
10-14	Melvin Kleen	0.6	0.67	0.52	0.4
10-24	do	6.8	1.74	1.56	11.8
11-21	do	4.3	1.44	1.16	6.2
5-23	do	.....	.....	.38	.1
6-17	do	8.4	1.71	1.93	14.4
7-10	do	4.2	1.33	1.18	5.6
7-17	do	4.7	1.49	1.27	7.0
7-24	do	.....	.....	.....	.0
8- 4	do	.....	.....	.36	.0
8-12	do	.....	.....	.....	.0
8-25	do	4.6	1.58	1.25	7.3
8-28	do	2.4	1.25	.81	3.0
9-11	do	.....	.....	.....	.0
9-17	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0
THIRTY MILE CANAL SPILL, HENDERSON SPILLWAY Sec. 8-10-24 W.					
10- 7	Melvin Kleen	7.8	0.92	0.67	7.2
10-24	do	8.0	.86	.63	6.9
11- 6	do	8.2	1.18	.75	9.7
11-21	do	.6	1.00	.32	.6
5-23	do	9.8	1.42	.83	13.9
6-17	do	9.0	1.69	.82	15.2
7-10	do	6.2	.65	.49	4.0
7-17	do	4.0	.65	.41	2.6
7-24	do	.....	.....	.....	.0
8- 4	do	.2	.50	.22	.0
8-12	do	.....	.....	.....	.0
8-25	do	7.0	.67	.48	4.7
8-28	do	1.8	1.22	.43	2.2
9-11	do	5.6	1.16	.60	6.5
9-17	do	.....	.....	.....	.0
9-24	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		THIRTY MILE CANAL SPILL, DARR SPILLWAY			
		Sec. 8-9-22 W.			
10-10	Melvin Kleen	2.4	1.00	1.03	2.4
10-21	do	3.2	1.31	1.15	4.2
11- 1	do	.....	.....	.72	.0
12- 1	do	.....	.....	.74	.0
5-26	do	.....	.....	1.99	18.6
6- 4	do	6.4	1.91	1.68	12.2
6-12	do	9.4	1.92	1.81	18.0
7-15	do	5.4	1.26	1.37	6.8
7-24	do	.....	.....	.69	.0
8- 8	do	.....	.....	.68	.0
8-18	do	3.2	1.41	1.19	4.5
8-22	do	4.3	1.58	1.30	6.8
9- 1	do	.....	.....	.....	.0
9-14	do	7.3	1.93	1.56	14.1
9-21	do	7.6	1.67	1.46	12.7
9-28	do	5.9	2.00	1.42	11.7
		THOMAS CANAL—A-2057			
		Diverted from East Ash Creek—Sec. 19-32-50 W.			
		Measurements Made at Headgate			
10-15	K. S. Essex	.....	.....	.....	1.0
4-11	Hilpert-Rasmussen	.....	.....	.....	.0
5-23	A. C. Hilpert	.....	.....	.....	.0
6-13	do	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0
		THOMAS CANAL—A-1748			
		Diverted from Big Bordeaux Creek—Sec. 34-34-48 W.			
		Measurements Made at Headgate			
3- 4	A. C. Hilpert	.....	.....	.....	0.1
4- 3	do	.....	.....	.....	.0
4-29	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.1
6-27	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	THOMAS STUART CANAL—D-425				
	Diverted from Little Cottonwood Creek—Sec. 8-32-52 W.				
	Measurements Made at Headgate				
2-23	A. C. Hilpert	.....	.....	.....	0.0
4-10	Hilpert-Rasmussen	2.0	1.05	.....	2.1
6- 9	A. C. Hilpert	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0
	TOBIN CANAL—D-330				
	Diverted from Lodgepole Creek—Sec. 28-14-47 W.				
	Measurements Made at Headgate				
4-26	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	.0
7-14	do	1.9	0.53	.....	1.0
7-30	do	.....	.....	.....	.0
8-17	do	3.2	.59	.....	1.9
9- 4	do	1.4	.29	.....	.4
9-17	do	.....	.....	.....	.1
	TODD CANAL—A-520				
	Diverted from East Ash Creek—Sec. 5-31-50 W.				
	Measurements Made at Headgate				
4-11	Hilpert-Rasmussen	.....	.....	.....	0.0
6-13	A. C. Hilpert	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
7-18	do	.....	.....	.....	.0
8- 8	do	.....	.....	.....	.0
8-22	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0
	TRACY CANAL—A-870				
	Diverted from Lodgepole Creek—Sec. 12-14-59 W.				
	Measurements Made at Headgate				
2- 9	J. P. Hansen	1.3	1.08	.....	1.4
2-26	A. C. Hilpert	1.1	.55	.....	.6
3-20	do	.....	.....	.....	.0
4-22	do	.....	.....	.....	.0
5-13	do	.....	.....	.....	.0

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		TRACY CANAL—Concluded			
6- 6	A. C. Hilpert	1.6	0.62	.....	1.0
6-25	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8- 1	do	.....	.....	.....	.0
8-15	Hilpert-Hanna	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
		TRACY PUMP—A-2079			
		Diverted from Mud (Beaver) Creek—Sec. 32-15-17 W.			
		Measurements Made at Pump Site			
8-25	D. E. Olson	.....	.....	.....	0.0
		TRAILS END CANAL—A-3453			
		Diverted from Pumpkinseed Creek—Sec. 30-19-52 W.			
		Measurements Made at Headgate			
10-10	J. P. Hansen	7.2	0.25	1.22	1.8
10-20	do	7.5	.32	1.30	2.4
11- 3	do	7.1	.38	1.39	2.7
4-20	A. C. Hilpert	.....	.....	.....	.0
5-14	do	.....	.....	.....	.0
6-20	do	.....	.....	.....	.0
7-11	do	.....	.....	.....	.0
7-29	do	.....	.....	.....	.0
8-14	do	.....	.....	.....	.0
9- 2	do	.....	.....	.....	.0
9-15	do	.....	.....	.....	.0
		TRAVELERS INSURANCE COMPANY PUMP—A-2973			
		Diverted from Mud (Beaver) Creek—Sec. 1-13-16 W.			
		Measurements Made at Pump Site			
8-12	D. E. Olson	.....	.....	.....	0.0
		TRI-COUNTY SUPPLY CANAL, A-2351, A-2354, A-2355			
		Maxwell Diversion from Platte River—Sec. 8-13-29 W.			
		Discharge through Flume—NE¼NW¼ Sec. 28-13-29 W.			
				Ha / Hb	
10- 3	Melvin Kleen	93	5.50	2.52 / 0.18	512
10-16	do	100	5.54	2.62 / .20	554
10-24	Fred Hervert	104	5.49	2.65 / .72	570
10-30	Melvin Kleen	108	5.66	2.81 / 1.04	612
11-13	do	108	5.80	2.81 /	626
11-18	do	112	5.81	2.90 / .26	651

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height Ha	Gage Height Hb	Discharge Sec.-ft.
		TRI-COUNTY SUPPLY CANAL—Concluded				
11-28	Fred Hervert	123	5.85	3.18	2.28	719
12- 3	Hervert-Mesmer	118	5.88	3.04	1.45	694
12- 6	Melvin Kleen	115	5.84	2.98	1.46	671
12-19	do	123	6.04	3.17	1.80	743
12-20	Fred Hervert	120	6.17	3.19	1.77	741
1- 6	do	272	3.81	7.30	7.12	1040
1-12	do	136	4.28	3.66	3.54	583
1-19	do	193	4.06	5.19	5.10	784
2- 2	do	181	6.30	4.82	4.31	1140
2- 4	Bauer-Hilpert	152	6.32	3.92	2.63	961
2-27	Fred Hervert	149	4.55	4.00	3.82	677
3-10	do	177	7.00	4.55	3.40	1240
3-18	do	201	7.36	5.23	4.12	1480
3-21	do	251	7.52	6.61	5.86	1890
3-27	do	151	6.55	3.78	2.42	990
3-31	do	238	7.77	6.13	5.12	1850
4- 2	Melvin Kleen	234	7.52	6.16	5.32	1760
5- 8	do	167	6.95	4.38	3.18	1160
5-12	Fred Hervert	218	7.75	5.63	4.52	1690
5-16	Melvin Kleen	268	7.54	7.00	6.28	2020
5-25	Fred Hervert	158	6.83	4.12	2.90	1080
5-29	do	260	8.00	6.76	5.96	2080
6- 1	do	264	7.76	6.94	6.28	2050
6- 4	do	——	——	6.44	5.71	1920
6- 6	Melvin Kleen	257	7.70	6.73	6.01	1980
6-15	do	171	6.79	4.52	3.65	1160
7- 8	do	61	3.56	1.60	1.42	217
7-21	do	235	7.75	6.16	5.06	1820
8- 5	do	253	8.10	6.54	5.12	2050
8-15	do	253	7.75	6.63	5.55	1960
8-21	Fred Hervert	251	7.68	6.60	5.60	1930
8-26	do	236	7.88	6.24	5.18	1860
8-27	Melvin Kleen	235	7.84	6.19	5.00	1840
9-12	do	192	7.50	5.02	3.59	1440
9-14	Fred Hervert	158	7.34	4.08	2.00	1160
9-18	Melvin Kleen	160	7.19	4.22	2.24	1150
9-26	do	184	7.60	4.80	3.08	1400
		TRI-COUNTY RETURN, JEFFREY POWER PLANT				
		To Platte River—Sec. 25-12-27 W.				
		Measurements Made at Bridge ½ Mile Downstream From				
		20-foot Parshall Flume				
10- 2	Melvin Kleen	176	1.91	2.38		337
10- 9	do	143	1.70	2.02		243

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
TRI-COUNTY RETURN, JEFFREY POWER PLANT—Concluded					
10-13	Hervert-Ball	159	1.84	2.21	293
10-16	Melvin Kleen	169	1.97	2.50	333
10-21	Fred Hervert	169	1.96	2.50	331
10-30	Melvin Kleen	155	1.85	2.15	288
11- 7	do	150	1.86	2.12	280
11-12	Fred Hervert	96	1.43	1.45	137
11-13	Melvin Kleen	90	1.33	1.34	120
11-21	do	122	1.50	1.72	182
12- 2	do	104	1.06	1.32	110
12- 8	Fred Hervert	103	1.12	1.35	116
12-19	Melvin Kleen	84	.92	1.04	77
1-12	Fred Hervert	49	3.41	1.71	167
5-20	Melvin Kleen	2	.90	.18	2
6-10	do	27	1.88	.86	51
6-18	do	1	1.08	.30	1
7- 9	do	.....	.....	.25	0
7-17	Fred Hervert	155	1.81	2.30	281
7-20	Melvin Kleen	270	2.62	3.85	710
7-23	Fred Hervert	264	.....	3.85	691
8-13	do	53	3.70	1.82	196
8-13	Melvin Kleen	40	2.30	1.17	93
8-17	Fred Hervert	252	2.58	3.70	650
8-21	Melvin Kleen	227	2.39	3.30	543
8-25	do	210	2.28	3.08	479
8-28	Fred Hervert	195	2.15	2.78	421
9-24	Melvin Kleen	21	1.46	.63	31
TRI-COUNTY SPILL, BELOW JOHNSON POWER PLANT NO. 2					
Returned to Platte River					
Measurements Made—Sec. 3-8-21 W.					
2-13	Melvin Kleen	178	2.20	.....	392
3-20	do	169	2.40	.....	407
TRINNIER CANAL—D-849, A-1551					
Diverted from Greenwood Creek—Sec. 28-18-50 W.					
Measurements Made at Headgate					
4-18	A. C. Hilpert	.....	.....	.....	0.0
5- 9	do	.....	.....	.....	.0
6-19	do	1.4	0.57	.....	.8
7-10	do	.8	.87	.....	.7
7-28	do	1.6	.75	.....	1.2
8-14	do	5.3	1.19	.....	6.3
9- 2	do	5.6	1.16	.....	6.5
9-15	do	5.8	1.36	.....	7.9
9-30	do	5.0	1.08	.....	5.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
TRI-STATE CANAL—D-918, A-660, A-768					
Diverted from North Platte River and Pathfinder Reservoir—Sec. 3-23-58 W.					
Measurements Made at Rating Station—Sec. 18-23-57 W.					
10- 2	Ivan Bauer	129	1.94	3.97	250
5-22	J. P. Hansen	160	2.18	4.46	348
5-28	do	256	2.50	5.98	641
6- 4	do	314	2.59	6.78	813
6-13	do	306	2.56	6.72	781
6-18	do	245	2.55	6.02	624
7- 1	Hansen-Essex	261	2.26	6.05	588
7- 9	J. P. Hansen	378	2.59	7.88	981
7-17	do	419	2.62	8.39	1100
7-23	do	415	2.47	8.18	1020
7-30	do	393	2.36	7.82	928
8- 6	do	392	2.29	7.59	897
8-12	do	383	2.28	7.51	873
8-19	do	386	2.23	7.56	862
8-26	do	390	2.13	7.65	893
9- 4	do	354	3.33	7.43	825
9- 9	do	344	2.28	7.28	784
9-14	do	323	2.18	6.82	703
9-25	do	172	1.83	4.62	314
TRI-STATE CANAL, LATERAL NO. 1—D-918, A-660					
Diverted from North Platte River and Pathfinder Reservoir—Sec. 3-23-58 W.					
Measurements Made at Lateral Headgate—Sec. 13-23-58 W.					
6-13	J. P. Hansen	4.0	1.62	0.95	6.5
6-18	do	3.2	1.47	.78	4.7
7- 9	do	6.0	.95	1.40	5.7
7-17	do	4.8	1.08	1.15	5.1
8- 7	do	4.4	.99	1.13	4.4
8-19	do	4.8	.90	1.22	4.4
8-27	do	5.4	.66	1.36	3.6
9- 9	do	4.8	3.60	1.28	3.0
TRI-STATE CANAL, LATERAL NO. 2—D-918, A-660					
Diverted from North Platte River and Pathfinder Reservoir—Sec. 3-23-58 W.					
Measurements Made at Lateral Headgate—Sec. 18-23-57 W.					
6-13	J. P. Hansen	6.0	2.01	1.52	12.2
6-18	do	4.6	1.40	1.12	6.5
7- 9	do	7.2	.94	1.78	6.8
7-17	do	7.8	.68	1.96	5.3
8- 7	do	6.3	.69	1.65	4.3

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
TRI-STATE CANAL, LATERAL NO. 2—Concluded					
8-19	J. P. Hansen	5.5	0.78	1.80	4.4
8-27	do	7.0	.75	1.78	5.2
9- 9	do	6.9	.71	1.80	4.9
TRI-STATE CANAL, LATERAL NO. 3—D-918, A-660					
Diverted from North Platte River and Pathfinder Reservoir—Sec. 3-23-58 W.					
Measurements Made at Lateral Headgate—Sec. 18-23-57 W.					
6-13	J. P. Hansen	——	——	——	0.0
6-18	do	——	——	——	.0
7-17	do	2.8	1.46	——	4.1
8- 7	do	2.5	.96	——	2.4
8-19	do	1.8	1.57	——	2.8
8-26	do	——	——	——	.0
9- 9	do	2.2	.72	——	1.5
TRI-STATE CANAL—D-918, A-660					
Diverted from Akers Draw—Sec. 12-23-57 W.					
Measurements Made at Intersection with Tri-State Canal					
10- 9	Ivan W. Bauer	6.3	1.53	——	9.7
2- 3	J. P. Hansen	4.7	2.03	——	9.5
2-18	do	5.0	1.46	——	7.3
3-12	do	5.9	1.26	——	7.4
4- 8	do	6.4	1.20	——	7.7
4-16	do	5.8	1.23	——	7.2
4-23	do	6.3	1.31	——	8.3
5- 4	do	5.9	1.37	——	8.1
5-14	do	6.9	1.32	——	9.1
5-22	do	6.8	1.31	——	8.9
5-28	do	6.4	1.12	——	7.1
6- 4	do	10.3	.84	——	8.6
6-12	do	10.2	.92	——	9.4
6-18	do	6.8	1.12	——	7.6
7- 9	do	17.4	.46	——	8.0
7-31	do	20.0	.49	——	9.8
8- 5	do	19.2	.52	——	10.0
8-20	do	17.3	.68	——	11.8
9- 4	do	16.3	.77	——	12.6
9-25	do	6.3	1.92	——	12.1
TRI-STATE CANAL—D-918, A-660					
Diverted from Sheep Creek—Sec. 8-23-57 W.					
Measurements Made at Headgate of Feeder Canal					
7- 7	J. P. Hansen	25.4	1.88	2.02	47.9
7-10	do	30.4	1.60	2.04	48.6

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		TRI-STATE CANAL—Concluded			
7-23	J. P. Hansen	26.5	1.97	2.06	52.1
7-30	do	24.4	2.61	2.24	63.8
8- 6	do	25.8	2.61	2.26	67.4
8-14	do	27.0	2.83	2.44	76.2
8-20	do	33.8	2.21	2.41	74.7
8-27	do	26.5	2.94	2.50	77.8
9- 4	do	26.8	3.10	2.58	83.0
9- 9	do	27.3	3.06	2.57	83.6
		TRI-STATE CANAL—D-918, A-660 Diverted from Dry Spotted Tail Creek—Sec. 9-23-56 W. Measurements Made at North Line of Sec. 9-23-56 W.			
5-27	J. P. Hansen	——	——	——	0.0
6- 4	do	——	——	——	.0
6-12	do	——	——	——	.0
6-16	do	——	——	——	.0
7-23	do	——	——	——	.0
8- 5	do	——	——	——	.0
8-20	do	——	——	——	.0
		TRI-STATE CANAL—D-918, A-660 Diverted from Wet Spotted Tail Creek—Sec. 10-23-56 Measurements Made at South Line of Sec. 3-23-56 W.			
10- 9	Ivan W. Bauer	12.1	2.13	1.97	25.8
6- 4	J. P. Hansen	8.1	1.77	1.30	14.3
6-12	do	6.5	1.39	1.03	9.0
6-16	do	4.5	1.20	.89	5.4
7-10	do	4.1	1.56	1.00	6.4
7-22	do	6.0	1.60	1.18	9.6
8- 5	do	9.7	2.05	1.52	19.9
8-20	do	9.4	1.93	1.41	18.1
9- 3	do	10.1	2.13	1.60	21.5
9-24	do	14.0	2.55	2.00	35.7
		TRI-STATE CANAL—D-918, A-660 Diverted from Tub Springs—Sec. 27-23-55 W. Measurements Made at Sec. 27-23-55 W.			
5-27	J. P. Hansen	——	——	——	0.0
6-11	do	——	——	——	.0
7- 6	do	12.2	1.97	1.03	24.0
7-10	do	12.8	1.94	1.04	24.8
7-23	do	13.4	2.05	1.15	27.5
8- 5	do	14.4	2.42	1.20	34.8
8-20	do	13.6	2.42	1.12	32.7
9- 3	do	15.0	2.30	1.16	34.5
9-24	do	14.9	2.30	1.31	34.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	TRI-STATE CANAL, TOOHEY SPILLWAY				
	To River—Sec. 19-23-56 W.				
10- 2	Ivan W. Bauer	19.8	1.53	.....	30.2
5- 4	J. P. Hansen	7.1	1.09	.....	7.8
5-14	do	.....	.....	.....	.0
5-22	do	.....	.....	.....	.0
5-28	do	.....	.....	.....	.0
6- 4	do	.....	.....	.....	.0
6-12	do	.....	.....	.....	.0
6-18	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0
	TRI-STATE CANAL, MITCHELL SPILLWAY				
	To River—Sec. 35-23-56 W.				
10- 1	Ivan W. Bauer	33.3	1.67	0.77	55.4
3-13	J. P. Hansen	5.3	1.11	.....	5.9
4- 8	do	5.2	.79	.....	4.1
4-15	do	4.3	.74	.....	3.2
4-22	do	5.1	.85	.....	4.3
5- 5	do	22.0	.70	.24	15.4
5-20	do	9.2	1.17	.23	10.7
5-29	do	2.3	1.38	.06	3.2
6- 4	do	2.1	1.36	.03	2.8
6-12	do	21.0	2.30	.65	48.3
6-18	do	1.6	1.18	.06	1.9
	TURNER RESERVOIR CANAL—A-1676				
	Diverted from Antelope Creek—Sec. 26-34-57 W.				
	Measurements Made at Headgate				
4-14	Hilpert-Rasmussen	.....	.....	.....	0.0
	TURNER CANAL—D-537, A-1677				
	Diverted from Antelope Creek and A-1676—Sec. 26-34-57 W				
	Measurements Made at Headgate				
4-14	Hilpert-Rasmussen	1.1	0.82	.....	0.9
	UNION CANAL—D-763				
	Diverted from Blue Creek and Crescent Lake, A-1575—				
	Sec. 18-16-42 W.				
	Measurements Made at Rating Flume				
10-22	J. P. Hansen	.....	.....	.....	2.0
4- 4	Melvin Kleen	.....	.....	.....	.0
4-22	E. S. Kimmel	.....	.....	.....	.0
7-14	do	14.7	0.75	1.64	11.1
7-28	do	15.2	1.02	1.84	15.5

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DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		UNION CANAL—Concluded			
8- 3	E. S. Kimmel	15.8	1.12	1.80	17.7
8-10	do	10.6	.99	1.23	10.5
8-17	do	13.8	1.18	1.60	16.3
8-24	do	13.4	1.02	1.56	13.7
8-31	do	14.1	1.24	1.62	17.5
9- 8	do	7.7	.83	1.03	6.4
9-14	do	12.9	1.08	1.59	14.0
9-21	do	8.6	.84	1.23	7.2
9-29	do	8.9	.43	1.20	3.9
		URBACH CANAL—D-308, A-723			
		Diverted from Lodgepole Creek—Sec. 15-14-51 W.			
		Measurements Made at Headgate			
4-23	A. C. Hilpert	.....	.....	.....	0.0
6- 5	do	.....	.....	.....	.0
6-24	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
7-31	do	.....	.....	.....	.0
8-17	do	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
		VAN DIEST CANAL—A-2874			
		Diverted from North Loup River—Sec. 24-21-17 W.			
		Measurements Made at Pump Site			
8-28	D. E. Olson	.....	.....	.....	0.0
		VANSANT PUMP—A-1880			
		Diverted from Mud (Beaver) Creek—Sec. 33-17-20 W.			
		Measurements Made at Pump Site			
8-26	D. E. Olson	.....	.....	.....	0.0
		VANSANT-SCOTT PUMP—A-2900			
		Diverted from Cedar Creek—Sec. 27-17-18 W.			
		Measurements Made at Pump Site			
8-26	D. E. Olson	.....	.....	.....	0.0
		VICTORIA CANAL NO. 1—D-210, D-212, A-1843			
		Diverted from Victoria Creek—Sec. 1-19-21 W.			
		Measurements Made at Headgate			
7- 7	D. E. Olson	.....	.....	.....	0.0
7-23	do	.....	2.28	.....	4.1
7-28	do	.....	.....	.....	.0
8-15	do	.....	.....	.....	.9
9-17	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
VICTORIA CANAL NO. 2—A-1943, A-2023					
Diverted from Victoria Creek—Sec. 6-19-20 W.					
Measurements Made at Headgate					
7- 7	D. E. Olson	----	----	----	0.0
7-23	do	----	----	----	.0
7-28	do	4.0	0.75	----	3.0
8-15	do	----	----	----	.0
9-17	do	----	----	----	.0
WARBONNET CANAL					
Below D-548 and A-892					
Diverted from Warbonnet Creek—Sec. 21-33-56 W.					
Measurements Made at Headgate					
8-24	A. C. Hilpert	0.5	0.80	----	0.4
WARBONNET CANAL—D-548					
Diverted from Warbonnet Creek—Sec. 21-33-56 W.					
Measurements Made at Headgate					
2-20	Hilpert-Rasmussen	----	----	----	0.0
3- 9	A. C. Hilpert	----	----	----	.0
4-13	Hilpert-Rasmussen	----	----	----	.0
5-27	do	----	----	----	.0
6-16	A. C. Hilpert	----	----	----	.0
7- 7	do	----	----	----	.0
7-21	do	----	----	----	.0
8- 5	do	----	----	----	.0
8-24	do	2.2	0.18	----	.4
9- 9	do	1.8	.34	----	.6
9-22	do	2.0	.30	----	.6
WARBONNET CANAL NO. 2—A-892					
Diverted from Warbonnet Creek—Sec. 20-33-56 W.					
Measurements Made at Headgate					
11-18	Ivan W. Bauer	----	----	----	0.0
2-20	Hilpert-Rasmussen	----	----	----	.0
3- 9	A. C. Hilpert	----	----	----	.0
4-13	Hilpert-Rasmussen	2.1	1.62	----	3.4
5-27	do	----	----	----	.0
6-16	A. C. Hilpert	----	----	----	.1
7- 7	do	----	----	----	.0
7-21	do	----	----	----	.0
8- 5	do	----	----	----	.0
8-24	do	----	----	----	.0
9- 9	do	----	----	----	.0
9-22	do	----	----	----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		WARNEKE CANAL—D-505			
		Diverted from Niobrara River—Sec. 27-31-57 W.			
		Measurements Made at Headgate			
4-15	Hilpert-Rasmussen	.....	.....	.....	0.0
5-29	A. C. Hilpert	.....	.....	.....	.0
6-17	do	.....	.....	.....	.0
7- 2	do	.....	.....	.....	.0
7-20	do	.....	.....	.....	.0
8- 6	do	.....	.....	.....	.0
8-25	do	.....	.....	.....	.0
9-10	do	.....	.....	.....	.0
9-23	do	.....	.....	.....	.0
		WEARIN CANAL—A-1864			
		Diverted from Lodgepole Creek—Sec. 8-14-58 W.			
		Measurements Made at Rating Flume			
4-22	Hilpert-Hanna	.....	.....	.....	0:0
6- 6	A. C. Hilpert	.....	.....	.....	.0
6-25	do	.....	.....	.....	.0
7-15	do	.....	.....	.....	.0
8- 1	do	.....	.....	.....	.0
8-15	Hilpert-Hanna	.....	.....	.....	.0
9- 3	do	.....	.....	.....	.0
9-16	do	.....	.....	.....	.0
		WEGNER-KREBS PUMP—A-3032			
		Diverted from North Loup River—Sec. 22-17-12 W.			
		Measurements Made at Pump Site			
8-27	D. E. Olson	5.0	0.62	.....	3.1
		WELLS PUMP—A-2455			
		Diverted from North Loup River—Sec. 20-21-18 W.			
		Measurements Made at Pump Site			
8-28	D. E. Olson	.....	.....	.....	0.0
		WESTERN CANAL—A-393, A-1804			
		Diverted from South Platte River—Sec. 14-12-43 W.			
		Measurements Made at Headgate			
4-25	A. C. Hilpert	.....	.....	.....	0.0
5-12	do	.....	.....	.....	.0
6- 4	do	.....	.....	.....	.0
6-23	do	.....	.....	.....	.0
7-13	do	68.0	1.82	.....	124.0
8-18	do	29.6	1.58	0.42	46.7
9- 4	do	37.1	1.72	.49	64.0
9-17	do	64.6	1.92	.77	126.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	WHITE RIVER CANAL—D-477				
	Diverted from White River—Sec. 34-32-52 W.				
	Measurements Made at Rating Flume				
10-15	K. S. Essex	.....	.....	.....	0.0
2-23	Hilpert-Rasmussen	.....	.....	.....	.0
3- 4	A. C. Hilpert	.....	.....	.....	.0
3- 6	Hilpert-Rasmussen	.....	.....	.....	.0
4- 3	A. C. Hilpert	.....	.....	.....	.0
5- 7	do	.....	.....	.....	.0
5-23	do	.....	.....	.....	.0
6- 9	do	.....	.....	.....	.0
7- 6	do	.....	.....	.....	.0
7-17	do	.....	.....	.....	.0
8- 4	do	.....	.....	.....	.0
8-21	do	.....	.....	.....	.0
9- 8	do	.....	.....	.....	.0
9-21	do	.....	.....	.....	.0
	WHITE RIVER CANAL, SOUTH BRANCH—A-936				
	Diverted from White River—Sec. 25-32-52 W.				
	Measurements Made at Headgate				
4-10	Hilpert-Rasmussen	.....	.....	.....	0.0
	WHITE-LARNED CANAL—D-150				
	Diverted from Republican River—Sec. 22-1-40 W.				
	Measurements Made at Headgate				
12-17	D. B. Ender	.....	.....	.....	0.0
	WICKERSHAM CANAL—A-701, A-2182, A-2204				
	Diverted from Boggy Creek—Sec. 31-33-54 W.				
	Measurements Made at Headgate				
11-17	Ivan W. Bauer	1.1	0.55	.....	0.6
2-20	Hilpert-Rasmussen	.....	.....	.....	.5
3- 9	A. C. Hilpert	.....	.....	.....	.0
4-14	Hilpert-Rasmussen	.....	.....	.....	.0
5-27	do	.....	.....	.....	.0
6-16	A. C. Hilpert	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WICKERSHAM RESERVOIR CANAL—A-2203					
Diverted from Boggy Creek and Wickersham Reservoir, A-2182—Sec. 30-33-54 W.					
Measurements Made below Reservoir					
4-14	Hilpert-Rasmussen	.....	.....	.....	0.0
WICKERSHAM SUPPLY CANAL—A-2182					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements Made at Headgate					
3- 9	A. C. Hilpert	1.2	1.25	.....	1.5
4-14	Hilpert-Rasmussen	.7	.72	.....	.5
5-27	do	1.5	1.13	.....	1.7
6-16	A. C. Hilpert	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0
WIEGAND CANAL—A-563					
Diverted from Lodgepole Creek—Sec. 17-13-45 W.					
Measurements Made at Headgate					
6- 5	A. C. Hilpert	.....	.....	.....	0.0
6-23	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-18	do	1.0	0.90	.....	.9
9- 4	do	.....	.....	.....	.0
9-17	do	4.0	1.02	.....	4.1
WIEGAND CANAL NO. 2—A-1323					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurements Made at Headgate					
6- 5	A. C. Hilpert	.....	.....	.....	0.0
6-23	do	.....	.....	.....	.0
7-14	do	.....	.....	.....	.0
7-30	do	.....	.....	.....	.0
8-18	do	.....	.....	.....	.1
9- 4	do	.....	.....	.....	.0
9-17	do	1.4	0.29	.....	.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WIEGAND CANAL NO. 3—A-1322					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurements Made at Headgate					
6- 5	A. C. Hilpert	——	——	——	0.0
6-23	do	——	——	——	.0
7-14	do	——	——	——	.0
7-30	do	——	——	——	.0
8-18	do	——	——	——	.0
9- 4	do	——	——	——	.0
9-17	do	1.0	0.20	——	.2
WILDS CANAL, NORTH—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements Made at Headgate					
4-26	A. C. Hilpert	——	——	——	0.0
6- 5	do	——	——	——	.0
6-23	do	——	——	——	.0
7-14	do	——	——	——	.0
7-30	do	——	——	——	.0
8-18	do	——	——	——	.0
9- 4	do	——	——	——	.0
9-17	do	——	——	——	.0
WILDS CANAL, SOUTH—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements Made at Headgate					
4-26	A. C. Hilpert	——	——	——	0.0
6- 5	do	——	——	——	.0
6-23	do	——	——	——	.0
7-14	do	——	——	——	.0
7-30	do	——	——	——	.0
8-18	do	——	——	——	.0
9- 4	do	——	——	——	.0
9-17	do	——	——	——	.0
WILLIAMS PUMP—A-3015					
Diverted from Mud (Beaver) Creek—Sec. 31-16-18 W.					
Measurements Made at Pump Site					
8-26	D. E. Olson	——	——	——	0.0
WILLOUGHBY PUMP—A-1896					
Diverted from Mud (Beaver) Creek—Sec. 34-15-17 W.					
Measurements Made at Pump Site					
8-25	D. E. Olson	——	——	——	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		WILSON PUMP—A-1879			
		Diverted from Mud (Beaver) Creek—Sec. 14-14-17 W.			
		Measurements Made at Pump Site			
8-25	D. E. Olson	----	----	----	0.0
		WINTERS CREEK CANAL—D-952			
		Diverted from North Platte River—Sec. 17-22-55 W.			
		Measurements Made at Rating Flume			
5- 6	J. P. Hansen	4.7	1.20	0.14	5.6
5-27	do	7.0	1.91	.64	13.4
6- 3	do	9.3	1.02	.85	9.5
6-11	do	17.3	.88	1.40	15.2
6-18	do	17.3	.51	1.40	8.8
7-22	do	13.9	2.27	1.12	31.6
8- 4	do	31.0	1.85	3.12	57.3
8-14	do	11.7	2.33	1.00	26.8
8-19	do	12.4	2.05	.98	25.4
8-28	do	13.0	1.50	1.02	19.5
9- 4	do	11.3	.93	.98	10.5
9-10	do	14.5	1.03	1.16	14.9
9-24	do	----	----	----	1.0
		WINTERS CREEK CANAL—D-952 (O. D. A-1446)			
		Diverted from Winters Creek—Sec. 19-22-54 W.			
		Measurements Made at Rating Flume			
10- 3	Ivan W. Bauer	21.2	1.63	2.48	34.6
10-10	do	21.4	1.49	2.25	31.8
6- 3	J. P. Hansen	18.7	1.44	2.07	27.0
6-11	do	15.9	1.15	1.79	18.3
6-18	do	24.6	1.13	2.64	27.9
7-22	do	29.8	1.53	3.03	45.6
8-18	do	29.3	1.96	3.06	57.5
8-28	do	24.3	1.79	2.53	43.7
9- 2	do	24.1	1.76	2.50	42.5
9-10	do	21.9	1.67	2.64	36.5
9-23	do	19.4	1.59	2.28	30.7
9-30	do	----	----	----	.0
		WINTERS CREEK LATERAL—D-952 (O. D. A-1446)			
		Diverted from Winters Creek—Sec. 19-22-54 W.			
		Measurements Made near Headgate			
10- 3	Ivan W. Bauer	12.2	2.40	1.60	29.3
10-10	do	11.7	2.56	1.55	30.0

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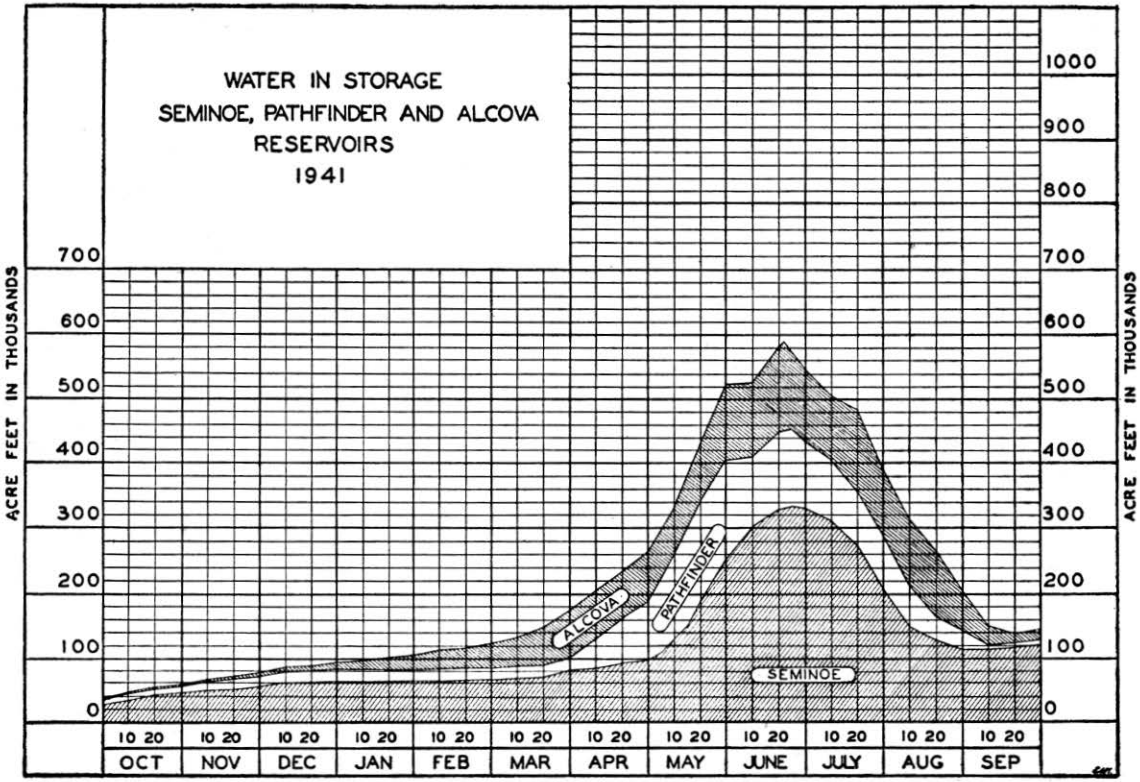
DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
	WINTERS CREEK LATERAL—Concluded				
6-11	J. P. Hansen	8.7	1.47	1.20	12.8
6-18	do	7.7	1.50	1.08	11.6
7-22	do	5.3	1.41	.68	7.5
8- 4	do	4.2	1.24	.55	5.3
8-18	do	7.5	1.76	1.12	13.2
8-28	do	5.2	1.48	.90	7.8
9- 2	do	4.0	2.63	1.10	10.5
9-23	do	2.4	2.37	.65	5.7
9-30	do	4.9	1.91	.85	9.4
	WINTERS CREEK CANAL SPILL				
	To Winters Creek—Sec. 19-22-54 W.				
5-27	J. P. Hansen	3.5	1.49	.....	5.2
	WOLFE CANAL—D-813				
	Diverted from Lodgepole Creek—Sec. 18-13-45 W.				
	Measurements Made at Headgate				
6- 5	A. C. Hilpert	.....	.....	.....	0.0
6-23	do	.....	.....	.....	.0
7-14	do	9.6	0.70	.....	6.7
7-30	do	.....	.....	.....	.0
8-18	do	6.3	.89	.....	5.6
9- 4	do	.....	.....	.....	.0
	WOODRUFF CANAL—D-536				
	Diverted from Jim Creek—Sec. 14-33-57 W.				
	Measurements Made at Headgate				
11-18	Ivan W. Bauer	.....	.....	.....	0.0
3- 9	A. C. Hilpert	.....	.....	.....	.0
4-14	Hilpert-Rasmussen	.....	.....	.....	.0
8- 5	A. C. Hilpert	.....	.....	.....	.0
	YANDA PUMP—A-3213				
	Diverted from Mud (Beaver) Creek—Sec. 8-12-14 W.				
	Measurements Made at Pump Site				
8-12	D. E. Olson	.....	.....	.....	0.0
	YANDA PUMP—A-1920				
	Diverted from Mud (Beaver) Creek—Sec. 9-12-14 W.				
	Measurements Made at Pump Site				
8-12	D. E. Olson	.....	.....	.....	0.0

DISCHARGE MEASUREMENTS OF CANALS— Concluded
Year Ending September 30, 1942

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
		ZERBST CANAL—A-2003			
		Diverted from Little Red Creek—Sec. 34-33-56 W.			
		Measurements Made at Headgate			
11-18	Ivan W. Bauer	0.2	0.83	.....	0.2
3- 5	Hilpert-Rasmussen	.2	.60	.....	.1
4-13	do	.3	.66	.....	.2
5-27	do	.3	1.00	.....	.3
6-16	A. C. Hilpert	.3	.66	.....	.2
7- 7	do	.3	.67	.....	.2
7-21	do	.3	1.00	.....	.3
8- 5	do	.3	1.00	.....	.3
8-24	do	.3	1.00	.....	.3
9- 9	do	.3	.66	.....	.2
9-22	do	.3	.66	.....	.2
		ZERBST CANAL—D-551			
		Diverted from Little Red Creek—Sec. 25-33-56 W.			
		Measurements Made at Headgate			
4-13	Hilpert-Rasmussen	.....	.....	.....	0.0
5-27	do	.....	.....	.....	.0
6-16	A. C. Hilpert	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
8-24	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
		ZIMMERMAN CANAL—A-532			
		Diverted from Sow Belly Creek—Sec. 34-33-55 W.			
		Measurements Made at Headgate			
11-17	Ivan W. Bauer	2.6	0.58	.....	1.5
3- 9	A. C. Hilpert	.....	.....	.....	.0
4-14	Hilpert-Rasmussen	1.5	.60	.....	.9
5-27	do	.....	.....	.....	.0
6-16	A. C. Hilpert	.....	.....	.....	.0
7- 7	do	.....	.....	.....	.0
7-21	do	.....	.....	.....	.0
8- 5	do	.....	.....	.....	.0
9- 9	do	.....	.....	.....	.0
9-22	do	.....	.....	.....	.0


WATER IN STORAGE
SEMINOE, PATHFINDER AND ALCOVA
RESERVOIRS
1941
ACRE FEET IN THOUSANDS
0
100
200
300
400
500
600
700
800
900
1000
ALCOVA
PATHFINDER
SEMINOE
10 20
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUNE
JULY
AUG
SEP

SEMINOE STORAGE RESERVOIR
Daily Contents in Acre-feet
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28470	45680	55210	61660	63130	65240	82460	101020	262140	333140	201450	114770
2	28310	46050	55900	61940	63210	66100	83160	103860	266740	331450	194050	114530
3	30370	46430	56310	61860	63440	66920	83850	106420	270370	329600	186550	114370
4	31480	46900	56620	61620	63360	67360	84990	109340	273440	327570	179080	114370
5	31900	46920	57310	61490	63260	67720	85900	112820	276530	326730	173700	114260
6	32600	47110	57870	61710	63210	68010	86600	117900	279930	324570	168060	114260
7	33330	47330	58410	61490	63210	68240	87590	123560	283870	322910	163480	114490
8	33670	47680	58760	61340	63260	68480	87770	127610	287510	320510	168120	114650
9	33830	48070	59450	61300	63410	68760	87830	129320	292510	316490	153780	115050
10	34150	48450	59980	61220	63680	68890	87800	130690	297090	312670	149800	115210
11	35090	49020	60240	61270	63760	68810	87740	132640	301940	308400	146760	115410
12	36060	49210	60580	61220	63730	68600	87830	136510	307200	304320	143390	115620
13	37140	49000	60480	61270	63710	68370	87000	141130	311350	300840	140760	115700
14	37940	49000	60480	61080	63660	68290	88550	147340	314700	298420	138130	116510
15	38800	49020	60670	60820	63680	68320	89400	155500	317540	294350	136060	117090
16	39370	49230	60670	60600	63680	68320	90340	164300	320340	290510	134080	117370
17	39950	49520	60460	60720	64110	68550	91400	171870	322410	286600	132640	117780
18	40490	50030	60220	60890	64010	68660	92470	178970	324730	282430	132010	117940
19	40860	50520	60190	61010	63930	69290	93910	184070	327150	278220	131080	118350
20	41040	50680	60260	61300	63830	70320	94600	191640	329510	274030	130820	118640
21	41490	51220	60310	61340	63880	71860	95030	197670	331370	270080	130160	118720
22	41840	51500	60410	61620	63830	73270	94740	202520	332970	266600	128530	119210
23	42230	52020	60620	61690	64010	74780	94040	208180	334570	263000	126360	119540
24	42590	52460	60530	61890	64440	76000	94210	212940	335080	256670	124600	119830
25	42960	52880	60550	62010	64510	76520	94040	217650	335240	249970	121840	120250
26	43360	53350	61010	62180	64590	77550	93940	223340	335420	243060	118880	120550
27	43760	53460	61130	62480	64860	78640	94180	229070	336020	236020	116520	120710
28	44240	53860	61150	62620	65070	79620	95220	236110	335850	229520	115450	121170
29	44590	54230	61150	62700	.....	80420	97440	242790	335420	222450	115370	121680
30	44970	54760	61590	62850	.....	81370	98820	249900	334740	215550	114890	121650
31	45280	.....	61690	62990	.....	82100	.....	257020	.....	208300	114730	.....

Record furnished by the United States Bureau of Reclamation.

PATHFINDER STORAGE RESERVOIR
Daily Contents in Acre-feet
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5260	9650	20410	20320	19600	19770	20960	95520	145100	101270	79320	17530
2	5660	9820	20350	20420	19650	19750	23740	99050	140050	98560	79060	15560
3	5960	10030	20300	20200	19690	19740	26180	102490	135910	96560	79200	13960
4	6160	10250	20560	20320	19680	19720	28460	106030	131880	96000	79650	12280
5	6110	10730	20620	20460	19990	19950	30420	109560	127420	94480	78320	10840
6	6300	11360	20560	20590	20200	20250	32490	113340	122820	93600	75750	9390
7	6450	11970	20380	20200	20350	20490	34790	116970	117740	92450	73460	8050
8	6700	12260	20380	20260	20430	20700	37330	120570	112900	92260	72060	6540
9	7100	12520	20360	20350	20280	20700	39580	124980	111840	92420	69410	5880
10	7800	12720	20020	20440	20100	20700	42250	129670	113080	93320	66310	5480
11	8220	12940	19870	20470	19800	20950	44750	134280	116650	92880	63870	5540
12	8150	12940	19750	20370	19930	20910	46880	137740	120250	90270	61060	5760
13	8020	13450	19460	20260	20070	20970	49400	142150	123760	86370	58380	5940
14	7870	13950	19410	20220	20130	20920	52470	146650	125310	81490	55390	6160
15	7720	14430	19200	20370	20250	20670	54790	148060	126580	81610	51980	6200
16	7580	14970	18990	20520	20200	20140	57100	149540	125920	82090	48680	6100
17	7630	15420	18840	20280	20160	19620	59470	150770	125920	82770	45130	6210
18	7700	15870	19130	19980	19900	19390	61440	152090	126200	83180	41300	6360
19	7810	16230	19320	19530	20160	19630	62860	152090	126440	83790	38480	6600
20	8070	16820	19520	19080	20410	19830	64960	153980	126580	84470	35740	6760
21	8350	17220	19660	18520	20580	19930	67070	155360	126910	84400	33350	7260
22	8410	17740	19870	18410	20470	19920	69650	156530	124740	82650	31580	7770
23	8520	17880	20060	18530	20370	19810	72410	158070	121540	81020	30860	7860
24	8640	18200	19920	18670	20280	19690	74880	159480	119560	80320	30060	7900
25	8760	18500	20140	18740	19930	19650	77150	160150	117510	80200	29480	7940
26	8860	18950	20370	18910	20080	19530	79690	159530	115620	80320	29520	7950
27	8970	19600	20000	19080	19860	19470	82240	158750	113380	80320	29290	7990
28	9100	20260	20080	19010	19800	19490	84850	157040	110520	79950	28190	8070
29	9100	20280	20240	19170	.....	19450	88360	155460	107240	79650	25610	8100
30	9230	20440	20420	19400	.....	19240	91990	152550	102820	79500	22870	8520
31	9450	.....	20210	19540	.....	19020	.....	149240	.....	79540	20320	.....

Record furnished by the United States Bureau of Reclamation.

ALCOVA RESERVOIR
Daily Contents in Acre-feet
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2130	3130	3280	13250	26000	40800	74060	74300	106530	108020	103100	66160
2	2210	3210	3510	13650	26330	41570	74050	74300	106300	106090	102050	63260
3	2200	3290	3760	14030	26670	42360	73960	74300	106000	105430	100350	59960
4	2190	3390	4020	14430	27000	43090	73930	74330	105700	104270	100490	56330
5	2180	3480	4310	14820	27340	43840	73870	74490	105320	103000	100230	52400
6	2170	3570	4580	15210	27630	44570	73870	74470	104930	101690	99890	48260
7	2160	3660	4910	15640	27980	45320	73960	74450	104530	100360	99390	43880
8	2150	3750	5250	16100	28360	46090	73920	74390	104010	99230	98860	39760
9	2200	3850	5490	16560	28800	46900	73900	74390	104910	97920	98250	34980
10	2240	3950	5950	17030	29260	47720	73500	74410	106540	96810	97530	29880
11	2290	4040	6280	17520	29720	48590	73900	74390	106780	95270	96980	26420
12	2330	4140	6630	18020	30180	49600	73840	74390	106890	94780	95960	24630
13	2370	4150	6980	18510	30690	50660	73900	74390	106920	100070	99590	22700
14	2410	4060	7330	19030	31160	51750	74140	74370	108830	106460	103540	20760
15	2460	3970	7640	19590	31700	52900	74170	77000	111110	110920	107320	18860
16	2510	3860	7960	20120	32230	54140	74190	79870	114240	114910	108300	17390
17	2550	3760	8270	20710	32770	55430	74220	82790	117770	118840	106950	15900
18	2600	3670	8560	21310	33300	56690	74200	85650	121350	122860	105120	14520
19	2630	3580	8880	21900	33840	58050	74150	88400	123680	124980	103060	14040
20	2660	3490	9190	22510	34330	59300	74140	91260	126320	125530	100580	13580
21	2710	3410	9510	23110	34930	60610	74140	94070	129070	124030	97840	13130
22	2750	3330	9820	23580	35640	61920	74120	96840	130430	122780	94780	12530
23	2780	3250	10130	23850	36380	63220	74150	99610	129770	119860	91600	12340
24	2820	3170	10460	24050	37150	64530	74150	102380	127580	117500	88270	12450
25	2860	3110	10790	24280	37880	65800	74170	104690	125180	115210	84570	12580
26	2890	3020	11140	24500	38620	67130	74170	104750	122680	113070	81000	12700
27	2930	2940	11470	24740	39360	68440	74190	104880	120190	111220	78370	12790
28	2960	2860	11810	24970	40080	69780	74200	105410	117450	109440	75960	12900
29	3010	2890	12140	25200	.....	71110	74270	106000	113660	107370	73350	12960
30	3060	2980	12500	25420	.....	72460	74280	106670	110810	105780	71220	13070
31	3100	.....	12860	25670	.....	73810	.....	106670	.....	104450	68750	.....

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER OUTFLOW OF ALCOVA RESERVOIR
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	105	90	64	50	38	15	3	3	4340	4300	4760	2980
2	108	70	66	50	38	15	3	3	4320	4300	4740	3020
3	108	70	68	50	38	15	3	3	4320	3390	4740	2990
4	105	70	68	50	38	15	3	3	4320	2850	4290	3020
5	108	70	66	50	38	15	3	3	4320	2820	4250	3020
6	108	70	62	50	66	15	3	3	4700	2800	4250	2990
7	108	70	70	50	46	15	3	3	4740	2790	4250	3070
8	105	70	70	50	44	15	3	3	4740	2790	4230	3020
9	74	70	70	50	44	15	3	3	1950	2780	4230	2960
10	78	70	72	50	44	15	3	3	752	2760	4230	3040
11	78	70	72	70	44	15	3	3	337	3420	4250	2060
12	78	70	50	70	44	15	3	3	333	4140	4230	1170
13	78	70	50	70	44	15	3	3	349	1680	1810	1200
14	82	70	50	50	44	15	3	3	341	938	1510	1230
15	78	70	50	50	17	15	3	3	337	305	1520	1200
16	78	70	52	50	17	15	3	3	305	288	2860	1020
17	78	70	50	50	17	15	3	3	187	288	3940	1000
18	78	70	52	50	17	15	3	3	139	288	4010	980
19	78	70	50	50	17	15	3	3	722	1350	3990	513
20	78	70	50	50	17	15	3	3	568	2150	3980	518
21	78	70	50	50	17	15	3	17	535	3620	3940	369
22	78	70	50	50	22	15	3	30	2270	4320	3980	357
23	78	70	50	60	11	15	3	30	3470	5040	3980	242
24	78	70	50	60	9	15	3	30	4190	5300	4080	220
25	78	70	50	48	11	15	3	833	4340	5200	4070	220
26	78	68	52	48	12	15	3	1780	4230	5140	4050	220
27	78	72	50	48	14	15	3	2720	4340	5060	3580	220
28	78	70	50	48	15	15	3	2820	4940	5000	3470	223
29	78	70	50	48	...	15	3	2840	5550	5140	3440	223
30	78	74	50	54	...	14	3	3520	5140	4880	3020	223
31	78	...	50	38	...	12	..	3540	.....	4760	2990	.....
Mean	86	71	56	52	29	15	3	588	2704	3223	3764	1451
Max.	108	90	72	54	66	15	3	3540	5550	5300	4760	3070
Min.	74	68	50	38	9	12	3	3	139	288	1510	220
A. F.	5250	4210	3480	3200	1630	920	180	36140	160910	198120	231450	86320

Total acre-feet 731810.
Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
INFLOW OF GUERNSEY RESERVOIR
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	331	190	232	194	158	182	168	3250	3040	4870	4610	2200
2	350	189	191	223	163	272	146	4020	3270	4630	4540	2950
3	437	210	192	162	152	297	178	3870	3640	4120	4550	3000
4	472	176	263	152	177	256	203	3970	3860	4120	4390	2960
5	416	216	233	169	162	251	253	4330	4070	3590	4450	2930
6	300	186	291	152	177	219	360	4220	4110	3060	4140	2950
7	265	237	287	136	129	220	293	5410	4090	2870	4050	2960
8	267	251	242	148	174	200	235	4420	4530	2710	5630	2940
9	243	186	257	128	167	228	359	3300	4480	2780	4280	2920
10	238	185	190	130	186	160	292	2560	5220	2670	4000	3050
11	245	90	185	158	182	148	267	2290	5150	2630	4040	3000
12	220	61	84	144	198	76	248	2320	2800	3140	6250	2970
13	222	77	36	215	184	75	282	2310	2390	3630	8150	2790
14	225	53	63	153	229	79	601	2310	1520	5050	5420	2180
15	201	104	66	200	175	108	2315	2140	1300	3390	3370	1640
16	211	105	88	172	246	126	1811	2340	1190	2050	2260	1490
17	174	161	55	189	167	142	1227	2080	1100	1580	1910	1490
18	236	177	76	176	198	196	1263	1870	971	1190	2220	1380
19	194	159	115	167	256	208	1409	1540	889	883	4120	1210
20	200	206	112	158	147	249	1199	1330	797	744	5230	1090
21	192	218	95	174	197	208	1094	1270	710	687	4650	1000
22	201	217	131	145	165	162	1034	1420	587	689	4190	809
23	188	211	143	146	205	161	575	1010	900	1900	4120	547
24	190	140	166	144	141	161	592	963	837	3320	4060	819
25	199	129	137	172	149	211	546	838	2290	4400	3970	786
26	189	99	191	152	118	177	572	820	3760	5190	4060	721
27	180	141	242	157	167	191	727	765	4030	5080	4060	659
28	166	120	197	172	138	168	1725	600	4050	4920	4030	608
29	208	184	213	157	.....	196	2078	1760	4140	4840	3860	566
30	189	228	238	168	.....	189	2277	2720	4330	4820	3520	624
31	166	.....	209	172	.....	132	.....	2930	.....	4800	3390	.....
Mean	242	164	169	164	175	182	811	2419	2802	3237	4247	1876
Max.	472	251	287	223	256	297	2315	5410	5220	5190	8150	3200
Min.	166	61	36	128	118	75	146	600	587	687	1910	547
A. F.	14910	9730	10350	10090	9730	11200	48260	148710	166720	199050	260870	111630

Total acre-feet 1001250.
Record furnished by the United States Bureau of Reclamation.

GUERNSEY STORAGE RESERVOIR
Daily Contents in Acre-feet
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18980	22360	23490	25170	27950	29880	34140	50060	23450	29640	23680	40810
2	19120	22430	23600	25370	28040	30210	34180	49950	22340	31770	24550	40700
3	19420	22500	23720	25470	28100	30590	34300	49950	22170	33210	25550	40570
4	19660	22560	23980	25550	28210	30870	34480	49490	22290	35550	26300	40100
5	19930	22620	24180	25630	28290	31140	34770	48800	22760	37100	26950	39520
6	20040	22540	24480	25690	28380	31340	35530	47140	23150	37160	26900	39020
7	20170	22740	24800	25710	28380	31560	35870	47350	23450	36630	26570	38360
8	20260	22960	25010	25770	28470	31740	36120	47010	25240	35670	29600	37760
9	20500	23060	25250	25790	28540	31970	36610	47840	29670	34890	27820	37410
10	20770	23170	25330	25820	28640	32090	36980	48250	37430	33640	27930	37570
11	20760	23100	25420	25900	28740	32150	37300	48750	45960	31720	28030	37670
12	20850	22860	25250	25570	28890	32090	37570	49350	49740	32090	32260	37800
13	20930	22690	25000	26140	29020	32010	37990	49540	50570	36670	38970	37670
14	21000	22490	24780	26210	29240	31870	38890	49600	50640	45100	40340	36460
15	21030	22440	24590	26350	29360	31850	42800	49600	50730	48710	37710	34280
16	21150	22370	24480	26450	29620	31890	45320	48890	50640	49120	32960	31740
17	21190	22440	24260	26590	29730	31950	46170	48430	50320	48250	29030	29190
18	21360	22470	24090	26690	29900	32110	46890	47870	50540	45310	25840	26270
19	21440	22530	24020	26800	30180	32280	47870	46750	50800	41060	26320	23240
20	21540	22660	23920	26910	30250	32540	48360	45320	50130	36280	29090	20930
21	21650	22810	23810	27050	30430	32710	48550	43810	48190	30470	30550	18480
22	21720	22970	23780	27140	30530	32670	48680	42450	43430	24230	31550	15710
23	21780	23110	23780	27220	30720	32940	47840	40180	38990	19820	32760	12450
24	21850	23110	23780	27290	30790	33120	47050	37800	33940	17690	34000	10620
25	21940	23110	23830	27370	30830	33310	46170	35210	30450	17540	35030	9280
26	22010	23050	24010	27430	30830	33450	45300	32590	29290	18830	35960	7890
27	22060	23080	24240	27500	30920	33600	44700	29120	28400	19650	37000	6410
28	22140	22980	24390	27600	30960	33700	46080	25270	27300	20450	38460	5510
29	22240	23110	24590	27670	.....	33860	48140	23710	26870	21040	39800	5630
30	22300	23300	24840	27770	.....	34000	50320	24340	27440	21960	40420	6480
31	22320	.....	25020	27870	.....	34040	.....	24410	.....	22970	40740	.....

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
OUTFLOW OF GUERNSEY RESERVOIR
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	240	170	136	118	118	106	118	3380	3510	3740	4230	3150
2	280	154	136	122	118	106	126	4110	3840	3550	4030	3040
3	285	174	132	112	122	106	118	3860	3720	3380	4030	3060
4	351	146	132	112	122	115	112	4190	3820	2920	4050	3170
5	280	186	132	129	122	115	112	4660	3820	2790	4090	3200
6	245	226	140	122	132	118	78	5030	3910	3020	4150	3190
7	199	136	126	126	129	109	21	5280	3930	3110	4190	3280
8	222	140	136	118	129	109	109	4570	3630	3170	4090	3220
9	122	136	136	118	132	112	112	2910	2250	3150	5160	3090
10	103	129	150	115	136	100	106	2340	1310	3280	3930	2960
11	250	126	140	118	132	118	106	2020	862	3580	3970	2940
12	174	182	170	109	122	106	112	2000	878	2960	4110	2880
13	182	162	162	129	118	115	70	2200	1900	1320	4750	2840
14	190	154	174	118	118	150	146	2250	1470	792	4700	2790
15	186	129	162	129	115	118	334	2110	1240	1550	4680	2720
16	150	140	143	122	115	106	541	2680	1220	1830	4640	2760
17	154	126	166	118	112	112	799	2290	1240	2000	3890	2760
18	150	162	162	126	112	115	900	2120	841	2650	3820	2840
19	154	129	150	112	115	122	915	2080	736	3020	3870	2730
20	150	140	162	103	112	118	952	2050	1110	3140	3820	2240
21	136	143	150	103	106	122	998	2020	1660	3600	3890	2230
22	166	136	146	100	115	182	968	2060	2970	3820	3670	2200
23	158	140	143	106	109	25	998	2140	3120	4110	3500	2190
24	154	140	163	109	106	70	990	2140	3360	4380	3430	1740
25	154	129	112	132	129	115	990	2130	4030	4460	3440	1460
26	154	129	100	122	118	106	1010	2120	4340	4530	3580	1420
27	154	126	126	122	122	115	1030	2500	4460	4660	3530	1400
28	126	170	122	122	118	118	1030	2510	4590	4510	3270	1060
29	158	118	112	122	.....	115	1040	2540	4340	4530	3190	503
30	158	132	112	118	.....	118	1170	2390	4030	4340	3190	194
31	158	.....	118	122	.....	112	.....	2880	.....	4280	3200	.....
Mean	185	147	140	118	120	112	537	2825	2738	3296	3938	2442
Max.	351	226	174	132	136	182	1170	5280	4590	4660	5160	3280
Min.	103	118	100	100	106	25	21	2000	736	792	3190	194
A. F.	11390	8750	8640	7250	6650	6890	31960	173730	162920	202660	242160	145300

Total acre-feet 1008300.
Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT WYOMING-NEBRASKA LINE
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	506	196	318	250	284	294	150	624	939	1150	1280	1110
2	462	204	324	267	284	284	164	2090	1100	1040	1280	1040
3	490	209	312	267	294	294	156	2240	1100	1040	1190	993
4	514	214	336	250	289	284	122	2340	1080	1030	1100	1010
5	530	218	318	245	306	278	156	2680	1070	930	975	1070
6	514	196	312	260	306	278	204	2750	1060	984	1170	1090
7	462	218	318	294	295	256	196	3060	1110	1050	1150	1070
8	384	209	318	318	312	256	180	2640	1460	1020	1160	1060
9	348	200	324	289	289	278	176	1450	1950	912	1450	1070
10	354	250	330	262	289	272	164	759	2590	840	1260	1000
11	336	354	324	256	306	250	176	530	1380	930	957	948
12	366	336	330	272	306	278	156	441	1060	1880	1140	912
13	324	384	300	262	294	256	188	360	1070	1720	1310	939
14	330	384	245	272	294	272	222	336	1180	1010	1440	966
15	348	378	250	262	289	262	250	245	894	777	1450	867
16	342	360	270	272	278	262	227	300	768	813	1540	885
17	300	342	290	289	284	245	200	579	750	849	1370	957
18	278	330	330	294	289	236	192	642	651	903	1360	1000
19	278	336	390	289	284	256	196	588	498	966	1320	1060
20	284	318	448	289	306	250	214	606	414	957	1330	1010
21	250	278	330	289	284	262	196	579	384	1020	1420	912
22	218	289	306	289	324	262	209	562	554	1110	1410	957
23	232	318	278	284	294	294	192	597	1040	1090	1330	1000
24	236	300	306	284	312	294	180	651	1060	1120	1260	903
25	214	294	318	270	318	284	168	642	1100	1120	1250	786
26	209	300	294	280	294	284	164	570	1180	1170	1290	750
27	204	262	289	294	306	262	196	669	1230	1200	1460	741
28	214	300	289	318	300	267	204	705	1350	1180	1420	714
29	209	366	272	306	.....	262	188	759	1320	1320	1240	660
30	200	366	272	284	.....	267	200	795	1230	1360	1140	705
31	218	.....	267	278	.....	245	.....	822	.....	1320	1130	.....
Mean	328	290	310	279	297	269	186	1052	1086	1091	1277	940
Max.	530	384	448	318	324	294	250	3060	2590	1880	1540	1110
Min.	200	196	245	245	278	236	122	245	384	777	957	660
A. F.	20140	17270	19060	17130	16480	16510	11080	64680	64610	67060	78510	55900

Total acre-feet 448400.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT MITCHELL
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	130	169	496	456	495	461	376	218	159	235	257	242
2	133	169	482	442	480	466	394	1060	228	221	239	228
3	130	166	461	461	476	461	389	1700	366	211	221	225
4	130	160	461	447	476	452	317	1790	366	326	188	211
5	325	154	468	432	480	456	313	2150	348	308	168	208
6	680	151	461	452	480	456	394	2080	276	232	165	211
7	755	148	447	466	471	456	385	2340	280	221	168	211
8	732	151	440	480	456	456	304	2120	413	218	172	211
9	601	148	440	495	461	456	296	1080	1060	175	181	250
10	496	151	428	480	456	442	296	385	3920	162	339	276
11	454	290	416	480	456	432	292	296	2540	159	214	257
12	447	390	360	480	466	413	288	246	1350	313	191	225
13	434	400	320	471	456	408	284	201	1040	1360	197	201
14	428	435	280	476	452	413	300	175	1250	490	260	204
15	428	470	240	471	456	432	317	159	1100	317	366	208
16	434	490	260	466	456	423	371	156	855	268	428	201
17	295	470	300	452	456	418	353	141	715	264	530	197
18	310	390	500	442	447	404	353	123	630	239	408	211
19	295	440	555	471	452	413	317	120	456	246	476	232
20	280	404	530	466	437	404	300	117	423	235	399	239
21	272	392	500	476	442	399	272	114	380	221	452	225
22	268	375	505	466	437	404	276	114	284	178	505	276
23	268	370	495	471	452	418	268	114	264	159	495	296
24	264	365	500	476	437	408	250	117	272	159	423	366
25	222	340	495	452	423	408	235	111	485	159	389	339
26	208	350	490	447	442	432	232	111	288	156	376	335
27	193	410	471	466	471	442	225	111	264	162	442	357
28	190	440	476	480	466	428	235	105	260	175	510	380
29	184	510	466	490	.....	413	235	105	260	197	385	399
30	181	531	461	495	.....	404	221	111	257	292	330	471
31	175	.....	461	490	.....	408	.....	114	.....	288	304	.....
Mean	334	328	441	468	458	429	303	577	694	269	328	263
Max.	755	531	555	495	495	466	394	2340	3920	1360	530	471
Min.	130	148	240	432	423	399	221	105	159	156	165	197
A. F.	20510	19500	27100	28750	25460	26350	18030	35470	41310	16550	20190	15650

Total acre-feet 294900.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT MINATARE
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	433	407	653	557	659	624	556	446	62	333	238	337
2	421	415	637	543	655	621	547	591	105	308	209	288
3	409	414	636	552	635	608	559	1560	192	319	207	256
4	406	403	626	564	628	608	525	1930	254	366	177	214
5	451	397	629	562	633	615	533	2140	273	446	148	210
6	674	395	611	579	634	627	589	2370	274	393	128	212
7	885	411	601	589	634	631	612	2360	257	354	124	250
8	901	451	609	593	640	609	545	2530	468	282	120	303
9	851	440	604	589	626	584	499	2150	1200	222	115	352
10	791	479	596	588	623	570	494	1070	2890	171	143	379
11	753	518	600	591	648	551	501	576	4090	147	197	384
12	708	623	581	612	673	538	494	416	2700	315	140	375
13	701	673	381	613	671	546	537	317	1910	853	121	365
14	676	713	406	608	639	552	613	225	1680	1050	122	397
15	707	714	375	620	618	564	586	223	1660	620	173	397
16	717	731	460	626	611	568	609	226	1380	456	310	346
17	661	729	633	619	598	556	591	142	1120	388	440	309
18	617	691	704	619	617	560	637	105	946	336	576	300
19	584	698	820	632	631	553	595	101	760	315	518	303
20	564	729	770	625	626	559	549	109	572	297	494	341
21	549	697	721	629	621	561	514	95	486	245	452	383
22	544	668	691	631	603	582	506	82	423	188	500	440
23	530	647	662	618	617	575	507	76	368	147	596	612
24	529	648	642	630	607	595	492	72	347	131	561	662
25	522	634	623	628	605	572	462	74	305	115	523	654
26	486	645	612	640	617	601	432	61	370	104	473	634
27	476	657	592	642	622	642	440	49	271	117	471	645
28	471	630	569	637	632	640	458	45	292	145	541	685
29	437	651	569	656	.....	630	484	45	376	151	516	740
30	420	673	568	673	.....	603	462	46	342	170	411	784
31	416	.....	552	669	.....	581	.....	49	.....	228	348	.....
Mean	590	586	604	611	629	588	531	654	879	313	326	419
Max.	901	731	820	673	673	642	637	2530	4090	1050	596	784
Min.	406	395	375	543	598	538	432	45	62	104	115	210
A. F.	36280	34870	37160	37560	34950	36150	31590	40230	52310	19260	20020	24910

Total acre-feet 405300.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT BRIDGEPORT
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	686	686	900	874	822	874	874	614	119	370	449	576
2	626	638	926	822	810	874	835	604	119	416	372	527
3	626	638	913	798	822	874	772	976	100	529	380	475
4	614	662	952	798	798	810	748	2070	132	492	285	425
5	579	662	926	760	785	785	686	2460	169	512	227	354
6	722	686	913	735	810	785	698	2600	176	566	173	366
7	939	698	874	748	798	798	748	2800	210	531	163	302
8	1100	686	861	822	772	810	760	2820	422	475	164	447
9	1090	710	848	874	822	822	722	2980	1600	368	140	490
10	992	698	822	874	822	785	674	2400	3750	299	126	526
11	952	400	822	861	822	772	674	1090	4510	280	102	555
12	913	200	772	861	822	760	674	678	4950	302	130	524
13	887	250	450	861	822	798	735	525	3400	469	151	572
14	887	300	400	861	822	772	760	432	2220	1080	135	569
15	939	500	500	848	822	722	822	383	2000	1030	127	598
16	952	800	564	848	835	760	887	425	2200	726	143	566
17	952	1200	580	798	835	772	798	328	1810	587	273	476
18	926	1050	600	722	835	760	939	258	1420	501	778	442
19	900	952	700	835	810	735	887	209	1130	457	763	427
20	874	965	800	887	748	760	798	210	903	424	716	439
21	848	965	750	900	735	760	748	191	716	407	671	482
22	822	913	750	900	735	772	710	165	584	312	744	632
23	798	900	800	887	748	798	674	186	481	180	799	885
24	798	887	1000	887	760	823	638	182	381	168	895	909
25	798	874	1090	913	772	848	626	150	329	128	842	979
26	772	887	1050	887	874	861	602	134	355	120	770	990
27	760	887	992	900	874	874	650	126	367	129	780	960
28	760	887	1020	900	874	926	662	105	319	116	722	989
29	760	874	952	874	.....	913	638	105	372	110	727	1040
30	760	887	939	874	.....	900	650	127	412	114	673	1140
31	722	.....	900	848	.....	887	.....	122	.....	164	597	.....
Mean	831	745	818	847	807	813	736	853	1189	399	452	622
Max.	1100	1200	1090	913	874	926	939	2980	4950	1080	895	1140
Min.	579	200	400	722	735	722	602	105	100	110	102	302
A. F.	51080	44310	50310	52080	44840	49960	43810	52470	70720	24520	27800	37020

Total acre-feet 548900.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT LISCO
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	728	742	936	936	1300	1300	985	884	177	431	142	594
2	728	714	968	845	1080	1230	1020	819	160	412	248	583
3	686	714	952	770	968	925	925	858	177	594	296	520
4	658	700	1000	770	955	910	940	1250	177	793	278	450
5	644	672	1020	650	940	910	940	1910	270	594	195	402
6	700	658	968	700	940	897	940	2120	384	530	154	374
7	756	658	952	750	925	897	970	2220	330	550	177	384
8	890	714	952	800	897	910	925	2340	540	480	142	460
9	1050	756	952	900	884	940	897	2370	910	402	131	490
10	1030	905	890	1000	884	897	819	2520	1910	321	113	540
11	952	680	920	1100	897	845	780	2080	2900	232	99	572
12	920	600	700	1050	940	793	884	897	4060	412	95	649
13	890	450	600	1100	910	806	1270	616	4660	572	95	672
14	860	500	500	1100	897	819	1030	510	3590	649	75	696
15	860	560	600	1060	884	819	985	500	2340	1200	71	672
16	936	600	650	905	871	806	1060	605	2030	1090	75	696
17	952	650	750	936	897	806	1140	561	2100	793	99	649
18	952	800	900	700	910	832	1440	412	1700	638	262	583
19	890	850	1100	750	800	845	1340	346	1420	510	672	540
20	830	1000	1320	1000	750	819	1230	346	1140	470	720	530
21	800	1130	1300	950	750	832	1110	330	925	450	720	561
22	785	1030	1250	900	850	910	985	287	756	393	732	940
23	728	1020	1200	800	900	925	897	232	638	287	1270	1160
24	800	968	1200	600	900	985	871	189	520	183	910	1290
25	815	952	1150	550	950	1160	845	171	490	136	858	1200
26	800	920	1120	600	1100	1060	806	160	460	127	858	1140
27	785	875	1130	500	950	1080	884	154	422	122	832	1160
28	742	905	1100	700	940	1140	910	177	480	108	858	1140
29	770	890	1000	900	.....	1140	910	210	490	67	780	1310
30	728	890	1000	1200	.....	1060	940	218	393	71	768	1320
31	700	.....	950	1450	.....	1000	.....	195	.....	75	672	.....
Mean	818	783	969	870	924	945	989	854	1218	442	432	743
Max.	1050	1130	1320	1450	1300	1300	1440	2520	4660	1200	1270	1320
Min.	644	450	500	500	750	793	780	154	160	67	71	374
A. F.	50310	46620	59560	53500	51310	58110	58870	52540	72490	27160	26570	44190

Total acre-feet 601200.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT OSHKOSH

Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	525	660	964	979	1420	1500	1020	652	191	402	89	676
2	692	633	946	900	1350	1300	1190	652	157	431	100	606
3	633	620	1000	850	1280	1170	1350	666	143	403	162	589
4	592	633	1040	780	1100	964	1300	682	146	677	197	590
5	606	633	1020	750	1000	946	1200	1320	520	646	189	520
6	646	633	982	750	856	964	1150	1810	484	494	158	459
7	692	633	910	750	756	1020	1130	2030	406	508	148	394
8	740	660	892	850	892	1000	1080	2130	427	427	160	440
9	838	676	964	1000	964	1000	1080	2210	698	418	143	441
10	928	680	928	1400	946	910	1060	2310	1080	330	102	489
11	928	680	928	1450	928	856	1100	2410	1810	298	93	502
12	874	660	850	1300	928	740	1190	1560	2850	370	90	527
13	946	600	700	1200	910	756	1540	970	4160	470	84	580
14	910	580	660	1160	928	756	1280	723	4120	568	82	594
15	772	620	720	1130	964	964	1040	593	2920	755	76	538
16	820	680	770	1040	1020	804	1040	754	1830	1160	76	562
17	874	750	850	920	964	804	1150	724	1810	867	91	576
18	874	850	950	800	964	772	1440	564	1590	624	162	523
19	820	1000	1050	850	850	740	1350	414	1270	504	312	448
20	788	1100	1250	869	780	708	1210	394	1070	468	678	422
21	788	1150	1350	900	780	772	1040	317	824	371	700	460
22	788	1100	1350	850	800	946	874	274	657	245	586	801
23	756	1050	1300	800	850	892	788	235	544	214	852	1060
24	756	946	1300	750	950	1000	708	211	417	192	921	1060
25	756	946	1250	650	1050	1280	620	186	359	144	822	1110
26	724	910	1200	600	1150	1300	552	198	390	112	852	1110
27	740	856	1180	700	1020	1260	620	235	319	109	838	1110
28	676	910	1150	850	1200	1300	633	242	303	119	792	1110
29	692	946	1120	1050	.....	1300	646	206	347	77	762	1160
30	676	964	1070	1400	.....	1150	692	209	325	90	714	1260
31	692	.....	1030	1460	.....	1080	.....	216	.....	90	708	.....
Mean	759	792	1022	959	986	999	1036	842	1072	406	379	691
Max.	946	1150	1350	1460	1420	1500	1540	2410	4160	1160	921	1260
Min.	525	580	660	600	756	708	552	186	143	77	76	394
A. F.	46690	47130	62820	58970	54740	61400	61630	51760	63800	24980	23280	41090

Total acre-feet 598300.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT LEWELLEN

Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.....	.....	1130	1210	1510	2100	1070	945	302	414	124	708
2	.....	.....	1130	1080	1490	1940	1160	931	522	477	89	696
3	.....	.....	1120	950	1450	1270	1220	917	281	420	113	637
4	.....	.....	1180	844	1360	1140	1120	896	242	500	159	606
5	.....	.....	1180	685	1280	1090	1070	1210	340	592	158	524
6	.....	.....	1180	679	1240	1050	1050	1740	1490	563	125	471
7	.....	.....	1150	721	1100	1050	1020	2090	638	540	117	396
8	.....	.....	1150	915	1100	1060	1080	2060	524	542	153	426
9	.....	.....	1150	1230	1120	1070	1060	2190	813	477	153	434
10	.....	.....	1150	1450	1170	1040	1020	2320	1110	425	121	484
11	.....	.....	1150	1390	1190	990	970	2480	1770	356	104	512
12	.....	.....	806	1400	1200	925	991	2000	2640	546	120	514
13	.....	.....	600	1320	1200	881	1210	1180	3800	548	105	581
14	.....	.....	450	1240	1190	908	1320	828	4620	626	102	579
15	.....	.....	300	1270	1190	994	1100	702	3920	682	81	592
16	.....	.....	370	1210	1190	970	1060	780	2660	1120	87	599
17	.....	.....	460	981	1160	941	1090	680	2030	1050	110	614
18	.....	.....	670	818	1040	986	1340	594	1890	769	147	628
19	.....	.....	760	682	897	998	1650	513	1540	599	245	592
20	.....	.....	830	889	582	978	1500	470	1230	508	507	582
21	.....	.....	900	1260	671	998	1370	398	1030	463	659	572
22	.....	.....	910	1210	845	1160	1210	378	867	414	629	872
23	.....	.....	970	970	1120	1110	1100	324	750	321	698	1220
24	.....	.....	1050	818	1120	1010	1030	265	598	216	955	1330
25	.....	.....	1270	779	1290	1130	990	232	523	147	829	1250
26	.....	.....	1200	895	1300	1460	959	242	495	112	887	1200
27	.....	.....	1190	892	1090	1400	983	224	464	106	878	1190
28	.....	.....	1130	901	1470	1290	1020	242	424	168	855	1270
29	.....	.....	984	1200	.....	1260	1000	274	416	136	849	1310
30	.....	1110	1040	1570	.....	1220	976	239	407	113	789	1540
31	.....	.....	1150	1500	.....	1140	.....	247	.....	115	737	.....
Mean	.....	.....	958	1063	1163	1147	1125	919	1278	454	377	764
Max.	.....	.....	1270	1570	1510	2100	1650	2480	4620	1120	955	1540
Min.	.....	.....	300	679	582	881	959	224	242	106	81	396
A. F.	*47000	*51000	58830	65370	64590	70530	66920	56530	76040	27900	23180	45480

Total acre-feet 653470.
*Estimated.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT KEYSTONE
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	198	376	12	8	10	*	*	*	*
2	*	*	*	179	356	12	8	12	*	*	*	*
3	*	*	*	83	317	11	7	13	*	*	*	*
4	*	*	*	25	257	12	7	14	*	*	*	*
5	*	*	*	14	183	11	7	28	*	*	*	*
6	*	*	*	11	126	10	7	23	*	*	*	*
7	*	*	*	11	48	9	6	17	*	*	*	*
8	*	*	*	11	18	10	6	12	*	*	*	*
9	*	*	*	11	11	11	6	12	*	*	*	*
10	*	*	*	15	10	15	6	12	*	*	*	*
11	*	*	*	230	10	7	7	12	*	*	*	*
12	*	*	*	286	10	8	8	12	*	*	*	*
13	*	*	*	198	10	7	9	12	*	*	*	*
14	*	*	*	198	10	7	17	12	*	*	*	*
15	*	*	*	126	10	7	7	12	*	*	*	*
16	*	*	*	122	10	6	6	12	*	*	*	*
17	*	*	*	174	7	6	7	12	*	*	*	*
18	*	*	*	33	8	7	9	*	*	*	*	*
19	*	*	*	14	7	7	10	*	*	*	*	*
20	*	*	*	14	6	6	9	*	*	*	*	*
21	*	*	*	14	7	7	8	*	*	*	*	*
22	*	*	*	14	10	7	7	*	*	*	*	*
23	*	*	*	29	9	7	7	*	*	*	*	*
24	*	*	*	12	9	6	7	*	*	*	*	*
25	*	*	*	13	12	6	7	*	*	*	*	*
26	*	*	*	12	9	8	7	*	*	*	*	*
27	*	*	*	11	9	8	8	*	*	*	*	*
28	*	*	*	12	11	8	8	*	*	*	*	*
29	*	*	390	14	---	8	10	*	*	*	*	*
30	*	*	324	33	---	8	9	*	*	*	*	*
31	*	....	258	224	....	8	---	*	....	*	*	....
Mean	*	*	*	76	67	9	8	14	*	*	*	*
Max.	*	*	*	286	376	15	17	28	*	*	*	*
Min.	*	*	*	11	6	6	6	10	*	*	*	*
A. F.	*	*	*	4640	3700	520	466	470	*	*	*	*

*No record.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT SUTHERLAND
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	163	120	140	200	474	441	89	160	17	160	51	24
2	152	60	127	120	624	225	154	138	14	340	21	21
3	232	43	94	70	518	132	218	143	14	380	13	20
4	420	45	120	60	420	138	160	138	12	267	11	14
5	465	43	88	100	390	132	116	132	14	154	9	10
6	465	43	82	100	350	172	110	110	195	132	7	6
7	232	43	94	90	303	202	103	100	143	103	7	5
8	163	41	120	90	210	172	106	51	41	86	6	6
9	134	39	108	90	172	160	100	31	37	78	6	8
10	127	54	101	100	154	160	96	27	43	37	6	12
11	120	20	108	80	121	143	110	20	25	14	6	9
12	114	15	51	120	110	78	96	18	39	195	6	12
13	108	10	43	270	106	126	143	17	39	350	6	154
14	140	10	63	260	100	180	154	13	21	92	6	43
15	220	20	86	250	100	202	143	13	19	33	6	12
16	163	40	92	280	103	165	121	72	21	18	7	11
17	174	70	96	140	89	132	100	100	27	12	8	12
18	174	90	100	240	86	132	249	20	23	10	10	11
19	163	110	110	260	31	106	249	11	18	8	12	11
20	120	120	150	260	11	96	225	11	12	11	25	78
21	134	110	160	240	110	86	180	11	9	15	27	92
22	140	120	154	190	120	148	154	35	165	13	24	232
23	140	110	160	120	130	126	132	37	89	12	25	330
24	140	110	180	120	120	103	116	25	17	12	20	312
25	127	120	170	110	90	126	106	51	63	11	20	190
26	120	130	180	100	90	195	103	180	240	12	48	96
27	120	120	190	150	280	160	126	276	225	420	116	54
28	120	150	180	160	370	126	126	165	78	1340	103	23
29	134	174	240	180	....	110	165	72	33	946	63	35
30	127	140	350	410	....	103	258	45	103	218	39	89
31	127	....	260	360	....	100	....	29	....	126	27	---
Mean	177	77	135	172	206	151	144	73	60	181	24	64
Max.	465	174	350	410	624	441	258	276	240	1340	116	330
Min.	108	10	43	60	11	78	89	11	9	8	6	5
A. F.	10870	4600	8320	10550	11470	9280	8540	4460	3560	11120	1470	3830

Total acre-feet 88170.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT NORTH PLATTE
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	336	336	410	320	500	645	284	550	192	228	336	182
2	440	336	400	300	680	590	430	390	178	400	206	230
3	410	345	363	280	820	354	590	363	132	760	152	218
4	400	318	410	250	790	363	510	381	102	634	133	176
5	570	318	372	240	689	345	430	381	102	410	110	142
6	760	309	354	254	580	390	381	345	252	336	82	142
7	580	309	345	270	480	420	345	284	440	318	88	147
8	430	309	363	280	420	420	327	268	268	292	66	194
9	372	318	336	320	410	420	309	252	372	300	68	244
10	363	260	292	370	410	327	327	284	318	284	66	237
11	327	252	300	400	390	300	327	268	300	228	63	194
12	327	292	206	450	390	228	300	228	284	560	52	176
13	327	336	150	480	381	206	345	192	309	977	52	251
14	309	430	120	500	336	236	363	164	292	784	47	372
15	354	500	180	460	381	318	327	164	244	420	50	230
16	381	570	200	410	400	309	345	345	213	318	68	161
17	318	656	250	340	381	268	318	460	150	237	77	165
18	309	645	280	300	400	300	590	284	126	200	102	170
19	309	510	300	350	171	300	736	178	114	156	113	156
20	336	429	320	450	126	300	530	228	90	165	133	170
21	345	470	333	481	276	276	500	192	120	293	129	230
22	345	450	330	450	336	327	390	213	309	251	113	480
23	336	420	350	400	345	390	336	244	276	258	120	712
24	318	400	370	400	327	268	300	157	114	133	124	784
25	327	420	350	380	276	300	284	185	73	147	133	580
26	327	440	350	350	228	354	252	363	309	161	206	460
27	327	460	320	400	390	410	268	470	410	194	318	381
28	327	420	350	450	520	363	318	440	354	700	309	309
29	327	410	320	420	.....	327	372	300	213	1460	230	354
30	327	450	300	450	.....	318	623	354	171	1100	170	500
31	327	.....	300	500	.....	292	.....	192	.....	440	170	.....
Mean	374	404	310	378	423	344	392	294	228	424	132	292
Max.	760	656	410	500	820	645	736	550	440	1460	336	784
Min.	309	252	120	240	126	206	252	164	73	133	47	142
A. F.	22990	24020	19090	23220	23470	21150	23320	18090	13540	26070	8100	17350

Total acre-feet 240100.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT JULESBURG, COLORADO
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	34	33	76	93	135	200	100	62	40	52	38	54
2	32	29	73	95	152	183	87	64	66	62	37	53
3	30	34	68	91	168	175	82	60	57	65	38	49
4	29	35	68	91	178	174	96	56	48	74	37	43
5	28	38	65	92	187	167	101	54	50	75	38	43
6	28	37	64	94	192	140	89	50	194	80	35	41
7	27	40	62	96	191	118	81	49	324	76	52	40
8	27	40	62	104	197	88	73	48	258	63	318	40
9	31	40	59	114	203	83	66	41	187	61	112	39
10	32	43	58	134	204	82	66	39	220	61	87	38
11	31	42	60	129	204	81	67	40	299	54	76	37
12	34	45	68	125	206	77	67	40	448	67	72	37
13	36	55	58	123	206	79	72	39	540	95	65	36
14	38	51	57	115	206	77	121	36	375	112	62	36
15	38	61	61	108	207	79	120	37	267	112	59	36
16	40	90	67	102	206	79	111	44	229	113	54	37
17	43	127	72	97	203	94	79	44	191	105	52	37
18	41	126	82	98	200	69	102	41	154	96	52	35
19	35	125	93	98	199	69	153	40	124	78	51	34
20	31	125	105	98	196	72	170	41	104	64	49	34
21	32	118	110	99	208	64	194	41	85	54	49	35
22	31	117	111	99	205	64	196	38	79	48	52	42
23	32	110	109	100	203	64	196	36	71	43	68	58
24	32	109	104	99	198	70	132	34	62	41	68	71
25	31	104	108	102	192	96	94	32	54	40	64	75
26	31	104	102	105	206	119	80	73	56	42	64	72
27	32	102	100	101	210	133	77	45	56	40	64	72
28	32	98	100	103	205	151	74	44	56	43	60	82
29	31	88	98	104	.....	147	69	45	54	41	67	96
30	31	84	95	106	.....	125	66	41	50	39	60	114
31	33	.....	92	109	.....	109	.....	40	.....	39	55	.....
Mean	33	75	81	104	195	107	103	45	160	66	66	51
Max.	43	127	111	134	210	200	196	73	540	113	318	114
Min.	27	29	57	91	135	64	66	32	40	39	35	34
A. F.	2020	4460	4970	6390	10840	6600	6110	2760	9520	4040	4080	3010

Total acre-feet 64800.
Record furnished by State of Colorado.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT PAXTON
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	14	87	124	142	242	88	147	60	62	51	7
2	7	14	76	122	142	242	94	136	84	71	38	7
3	8	15	70	140	151	226	112	129	92	90	30	6
4	9	15	72	146	160	212	108	123	75	90	28	5
5	10	17	70	146	165	212	100	121	67	90	24	4
6	11	17	67	133	172	220	96	116	80	90	21	4
7	11	17	63	151	180	210	96	110	104	92	21	5
8	10	17	67	184	184	210	96	106	116	84	19	6
9	10	18	56	155	184	200	92	106	142	73	18	7
10	10	16	63	148	196	200	88	100	163	65	16	8
11	10	8	67	146	204	160	84	88	177	62	15	10
12	10	7	59	153	220	120	80	80	177	88	14	14
13	10	7	20	144	220	100	84	73	184	98	14	17
14	10	7	15	142	226	130	88	65	206	98	14	15
15	10	7	30	144	220	150	80	71	253	100	13	13
16	10	10	42	146	231	180	82	71	267	102	12	12
17	10	26	58	162	231	140	96	60	305	106	12	11
18	10	56	61	162	231	130	121	56	258	108	10	10
19	10	76	85	142	178	127	149	53	231	102	10	10
20	10	83	95	148	178	121	160	51	211	98	10	8
21	11	93	111	140	204	102	167	47	186	94	11	8
22	11	99	118	140	188	94	170	44	163	82	12	14
23	11	107	142	146	208	86	177	41	145	67	12	19
24	12	107	160	148	226	76	189	35	123	54	12	25
25	12	107	151	162	151	80	196	32	102	46	13	25
26	12	109	142	162	170	84	196	36	92	41	13	25
27	12	111	135	153	212	100	189	44	88	39	12	26
28	12	113	133	155	212	108	174	67	75	44	12	60
29	12	103	129	137	.....	110	160	73	65	32	11	62
30	12	99	124	137	.....	112	156	67	58	32	10	71
31	14	.....	124	137	.....	106	.....	58	.....	98	8	.....
Mean	10	50	86	147	192	148	126	78	145	77	16	17
Max.	14	113	160	184	231	242	196	147	305	108	51	71
Min.	1	7	15	122	142	76	80	32	58	32	8	4
A. F.	631	2970	5340	9030	10680	9100	7470	4770	8630	4760	1000	1020

Total acre-feet 65400.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT NORTH PLATTE
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	48	130	149	234	340	186	359	132	114	107	65
2	50	48	122	152	226	359	204	306	122	130	102	63
3	50	48	117	149	208	330	275	275	119	166	90	60
4	45	48	112	152	208	306	250	238	130	183	81	58
5	50	48	112	162	208	302	208	226	141	172	72	56
6	81	48	110	162	204	316	200	226	162	166	67	55
7	71	50	105	159	183	340	197	215	166	162	58	55
8	65	50	100	155	186	369	193	200	162	152	55	55
9	62	52	100	169	200	335	190	190	230	138	52	55
10	60	52	98	197	211	258	186	179	226	127	48	52
11	58	52	98	218	218	234	183	162	215	119	44	52
12	58	50	90	222	222	200	183	132	218	197	42	50
13	55	45	80	242	215	176	183	112	246	344	40	50
14	55	40	70	242	208	193	183	100	258	271	41	50
15	53	50	90	242	218	208	176	98	262	215	44	50
16	53	60	100	242	222	234	162	130	254	186	47	48
17	52	65	100	183	218	197	159	138	262	172	53	48
18	52	67	105	146	222	190	215	132	271	152	58	47
19	50	67	107	152	169	190	320	119	271	149	63	45
20	50	76	112	162	90	208	302	119	226	149	67	42
21	50	88	119	208	100	208	280	114	204	159	69	42
22	47	100	130	183	120	204	284	112	325	144	67	95
23	47	110	141	159	200	197	311	112	238	124	63	105
24	44	112	135	169	293	186	306	112	200	110	67	146
25	45	122	152	162	280	186	297	112	166	100	69	132
26	44	124	159	149	300	190	284	119	197	95	69	124
27	45	117	149	152	300	197	280	119	197	107	67	124
28	45	130	146	166	320	197	266	119	159	119	69	127
29	47	135	132	215	.....	200	266	117	132	105	67	127
30	48	141	135	275	.....	200	369	119	117	105	63	146
31	50	.....	138	266	.....	197	.....	132	.....	98	67	.....
Mean	52	74	116	186	214	240	237	159	200	153	64	74
Max.	81	141	159	275	320	369	369	359	325	344	107	146
Min.	44	40	70	146	90	176	159	98	117	95	40	42
A. F.	3240	4460	7130	11430	11870	14770	14080	9800	11920	9380	3900	4410

Total acre-feet 106400.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT BRADY

Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	265	1000	638	292	220	189	147	204	132	5	41	5
2	361	971	482	285	276	164	242	204	76	8	32	66
3	436	959	1240	218	316	128	302	246	62	50	24	45
4	414	915	1160	225	301	147	264	222	50	107	18	26
5	528	902	977	250	238	133	243	198	48	80	14	14
6	860	902	543	325	132	154	229	182	57	71	15	9
7	869	887	325	315	72	167	214	164	52	65	14	11
8	606	858	424	365	101	148	211	163	54	52	11	17
9	598	898	365	300	107	146	201	158	77	33	12	18
10	649	841	335	385	98	126	187	156	77	28	23	15
11	580	630	478	275	63	130	182	151	72	23	13	14
12	493	575	711	235	64	88	166	142	65	106	6	12
13	458	520	515	434	64	129	344	142	61	120	3	13
14	422	615	460	442	65	262	311	137	56	71	12	13
15	433	820	625	362	63	185	240	137	49	76	15	13
16	502	860	590	341	59	142	235	164	43	67	6	12
17	518	950	630	467	56	158	208	136	40	50	14	12
18	568	998	542	440	57	159	352	116	30	40	11	12
19	644	1140	540	504	40	150	437	125	24	35	8	9
20	660	1130	459	524	60	141	406	196	21	29	8	8
21	726	1250	450	453	138	136	342	129	21	55	4	7
22	844	1160	395	346	127	144	276	118	49	45	0	83
23	956	1060	362	172	116	157	227	108	33	33	0	86
24	1080	655	350	280	108	149	191	100	25	19	0	239
25	1110	610	335	188	113	157	174	100	21	12	12	132
26	1140	1320	310	242	132	148	173	102	18	18	62	79
27	1120	1160	310	248	148	152	175	99	16	36	31	57
28	1080	1150	320	195	186	148	169	91	13	77	16	48
29	1030	1260	278	193	----	158	189	83	9	62	9	58
30	1000	615	273	208	----	159	189	71	7	121	5	97
31	961	----	258	206	----	152	----	119	----	57	4	----
Mean	707	920	506	313	126	152	241	144	45	53	14	41
Max.	1140	1320	1240	524	316	262	437	246	132	121	62	239
Min.	265	520	258	172	40	88	147	71	7	5	0	5
A. F.	43460	54770	31100	19270	6980	9330	14330	8850	2690	3270	879	2440

Total acre-feet 197400.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT COZAD

Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	265	399	392	617	390	302	301	177	89	8	6
2	7	275	396	372	547	350	460	274	203	132	10	18
3	12	298	346	410	512	471	785	277	141	156	8	21
4	28	355	758	420	405	404	645	335	111	93	8	75
5	48	329	1120	205	366	466	559	406	92	58	10	17
6	296	293	750	360	366	372	501	321	117	88	9	12
7	562	293	328	383	524	338	428	247	93	94	8	11
8	294	287	294	435	408	339	380	211	88	88	8	10
9	103	266	293	485	400	352	347	228	125	60	9	8
10	94	252	280	550	394	360	307	256	164	38	8	7
11	150	184	257	570	364	304	300	254	123	43	13	7
12	96	124	235	530	347	479	284	258	163	120	12	6
13	42	93	250	405	306	200	327	255	150	726	10	7
14	27	73	215	340	256	266	444	264	102	369	8	7
15	24	157	255	360	234	352	444	242	95	114	3	8
16	22	509	350	340	224	391	365	264	88	74	4	9
17	20	1160	500	350	209	330	403	266	76	55	4	8
18	19	1090	722	350	189	295	468	221	64	36	7	7
19	17	983	600	410	139	319	632	208	49	18	10	6
20	16	937	535	370	68	298	556	385	36	6	9	6
21	16	983	500	324	124	262	448	451	34	9	5	6
22	13	1190	445	467	160	288	395	265	95	10	5	479
23	10	1150	460	428	210	297	379	156	94	17	4	356
24	11	1010	420	440	250	308	326	127	60	8	4	390
25	17	856	395	390	270	322	274	122	50	5	4	268
26	15	744	365	430	300	302	234	120	45	5	10	177
27	39	1110	370	500	310	297	215	122	51	13	11	109
28	86	863	410	530	340	263	241	120	64	19	7	49
29	24	942	404	570	----	243	312	96	74	11	5	58
30	20	890	370	764	----	289	364	78	78	7	5	135
31	74	----	307	724	----	300	----	78	----	10	5	----
Mean	71	599	430	439	316	331	404	233	96	82	8	76
Max.	562	1190	1120	764	617	479	785	451	203	726	13	479
Min.	7	73	215	205	68	200	215	78	34	5	3	6
A. F.	4380	35630	26440	26980	17530	20320	24050	14300	5760	5100	458	4530

Total acre-feet 185500.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT OVERTON
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	594	300	1040	280	142	312	240	0	0	48
2	0	0	325	250	694	300	472	325	338	0	11	172
3	0	0	206	200	767	260	748	388	312	42	0	31
4	0	0	472	180	444	260	660	388	172	151	0	1
5	0	0	862	160	375	230	487	644	88	115	0	0
6	0	6	1020	170	502	288	429	444	160	3	97	0
7	0	183	562	170	550	400	375	325	133	0	151	0
8	0	229	350	230	290	502	362	252	172	11	172	0
9	0	300	288	250	350	458	312	312	362	70	79	0
10	0	362	288	300	390	338	206	300	444	0	79	0
11	0	183	170	350	440	325	206	300	312	6	70	0
12	0	20	170	470	410	312	172	218	206	11	70	0
13	0	14	70	420	410	275	264	194	194	264	70	0
14	0	64	95	360	260	388	414	218	172	414	70	0
15	0	628	140	370	250	414	375	240	151	502	64	0
16	0	1040	220	250	240	980	362	338	115	206	79	0
17	0	862	230	230	210	644	300	288	88	48	64	0
18	0	748	410	80	210	458	375	206	64	3	64	0
19	0	881	570	240	100	325	458	240	36	0	88	0
20	0	710	520	260	105	312	594	900	6	0	97	0
21	0	748	470	280	100	264	516	660	3	53	36	0
22	0	824	430	230	95	252	472	530	275	115	42	0
23	0	980	430	300	120	312	444	350	264	97	36	0
24	0	843	440	380	160	288	338	264	172	59	42	6
25	0	786	360	300	150	288	300	172	115	88	42	264
26	0	786	350	290	140	275	275	142	288	97	42	206
27	0	628	340	250	140	288	300	133	252	124	42	142
28	0	1040	340	580	190	264	312	97	106	218	8	106
29	0	660	300	640	---	172	312	59	25	362	11	106
30	0	900	350	720	---	218	338	142	0	594	36	172
31	0	---	320	900	---	172	---	124	---	206	11	---
Mean	0	481	377	326	326	340	377	307	176	124	54	42
Max.	0	1040	1020	900	1040	980	748	900	444	594	172	264
Min.	0	0	70	80	95	172	142	59	0	0	0	0
A. F	0	28610	23150	20050	18110	20910	22450	18850	10440	7650	3320	2490

Total acre-feet 176100.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT ODESSA
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	502	50	706	40	0	11	0	0	0	0
2	0	0	260	40	706	100	200	4	25	0	0	0
3	0	0	260	20	574	80	905	2	406	0	0	0
4	0	0	260	25	574	40	795	2	98	0	0	0
5	0	0	406	15	430	60	670	14	17	0	0	0
6	0	0	658	15	394	90	370	359	36	0	0	0
7	0	0	526	25	359	116	170	74	8	0	0	0
8	0	0	282	22	337	160	28	17	8	0	0	0
9	0	0	74	8	220	140	9	34	70	0	0	0
10	0	0	3	4	129	110	4	36	430	0	0	0
11	0	0	2	66	210	100	9	13	337	0	0	0
12	0	0	4	144	180	90	3	4	78	0	0	0
13	0	0	2	152	160	80	42	2	22	0	0	0
14	0	0	0	82	82	120	137	1	12	0	0	0
15	0	0	15	50	70	200	54	0	8	0	0	0
16	0	0	20	13	70	250	58	28	4	0	0	0
17	0	0	40	15	25	290	31	10	2	0	0	0
18	0	0	50	10	2	359	36	0	1	0	0	0
19	0	22	100	15	7	304	90	0	0	0	0	0
20	0	293	150	25	6	54	756	66	0	0	0	0
21	0	382	150	40	5	25	706	634	0	0	0	0
22	0	490	140	60	5	14	478	348	4	0	0	0
23	0	490	140	56	5	11	514	210	6	0	0	0
24	0	502	120	50	6	9	230	36	4	0	0	0
25	0	502	140	35	8	9	54	4	2	0	0	0
26	0	478	140	45	9	8	9	0	12	0	0	0
27	0	337	130	60	10	5	2	0	22	0	0	0
28	0	382	80	100	20	3	1	0	8	0	0	0
29	0	538	100	200	---	2	1	0	3	0	0	0
30	0	337	80	382	---	2	12	0	1	0	0	0
31	0	---	50	526	---	1	---	0	---	0	0	---
Mean	0	158	158	76	190	92	212	62	54	0	0	0
Max.	0	538	658	526	706	359	905	634	430	0	0	0
Min.	0	0	0	4	2	1	0	0	0	0	0	0
A. F.	0	9430	9690	4660	10530	5700	12640	3790	3220	0	0	0

Total acre-feet 59660.

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT GRAND ISLAND
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	450	350	20	245	460	138	28	0	0
2	0	0	0	250	900	40	259	416	102	3	0	0
3	0	0	0	190	1560	75	395	355	108	0	0	0
4	0	0	0	220	1650	110	416	307	184	0	0	0
5	0	0	0	75	1750	130	438	307	416	0	0	0
6	0	0	0	27	1800	140	653	291	355	0	0	0
7	0	0	0	12	1600	160	743	231	194	0	0	0
8	0	0	1	5	1400	200	575	205	323	0	0	0
9	0	0	1	2	1000	220	395	259	416	0	0	0
10	0	0	1	2	720	250	438	275	460	0	0	0
11	0	0	2	1	660	380	528	231	438	0	0	0
12	0	0	2	1	660	300	528	217	416	0	0	0
13	0	0	2	15	660	200	460	217	291	0	0	0
14	0	0	3	200	500	170	438	217	184	0	0	0
15	0	0	2	450	480	260	339	155	146	0	0	0
16	0	0	2	550	440	320	291	259	146	0	0	0
17	0	0	2	700	280	360	307	174	130	0	0	0
18	0	0	2	290	170	395	339	174	85	0	0	0
19	0	0	2	85	120	375	375	217	56	0	0	0
20	0	0	2	48	80	375	575	194	37	0	0	0
21	0	0	1	55	60	339	683	122	8	0	0	0
22	0	0	1	70	50	323	803	205	85	0	0	0
23	0	0	1	65	50	291	897	482	231	0	0	0
24	0	0	1	75	40	245	803	395	174	0	0	0
25	0	0	1	85	37	217	713	323	146	0	0	0
26	0	0	25	80	30	217	625	231	122	0	0	0
27	0	0	125	48	25	205	528	115	102	0	0	0
28	0	0	550	27	20	184	416	75	80	0	0	0
29	0	0	360	16	.....	184	307	34	75	0	0	0
30	0	0	330	20	.....	259	375	17	60	0	0	0
31	0	...	390	130	.....	275	...	13	.....	0	0	...
Mean	0	0	58	137	608	233	496	231	190	1	0	0
Max.	0	0	550	700	1800	395	897	482	460	28	0	0
Min.	0	0	0	1	20	20	245	13	8	0	0	0
A. F.	0	0	3590	8420	33780	14320	29530	14230	11320	61	0	0

Total acre-feet 115300.

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT DUNCAN
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	1	13	45	213	390	37	144	1	0
2	0	0	0	30	40	100	192	472	133	109	0	1
3	0	0	0	90	60	230	284	460	109	63	0	10
4	0	0	0	90	80	140	320	448	85	37	0	1
5	0	0	0	50	130	120	380	370	138	19	0	1
6	0	0	0	40	330	160	412	300	360	14	0	2
7	0	0	0	36	720	90	572	260	559	16	0	3
8	1	0	0	35	750	120	850	171	637	19	0	9
9	0	0	0	30	770	200	925	127	762	10	0	4
10	0	0	0	24	620	350	748	115	805	8	0	24
11	0	0	0	25	555	472	585	150	720	5	0	24
12	0	0	0	32	590	572	412	171	598	5	0	19
13	0	0	0	34	710	748	340	144	865	5	0	14
14	0	0	0	33	590	637	244	144	1010	5	0	9
15	0	0	0	33	460	533	171	127	865	3	0	26
16	0	0	0	37	380	472	164	133	520	3	0	26
17	0	3	0	90	320	424	199	300	380	3	0	16
18	0	1	0	90	300	380	252	284	244	2	0	11
19	0	0	3	95	185	424	292	171	127	1	0	8
20	0	0	40	92	160	350	484	199	70	1	0	6
21	0	0	15	90	110	340	664	171	44	1	0	4
22	0	0	10	64	84	350	664	121	44	1	0	4
23	0	0	8	43	75	300	585	144	56	1	0	3
24	0	0	3	28	62	236	762	244	178	0	0	3
25	0	0	1	20	50	252	748	598	292	0	0	4
26	0	0	1	15	48	260	624	460	268	0	0	3
27	0	0	1	12	46	252	508	310	472	0	0	2
28	0	0	0	10	53	252	400	178	292	0	0	2
29	0	0	0	9	.....	244	340	74	178	0	0	4
30	0	0	0	10	.....	244	370	34	109	1	0	4
31	0	...	0	12	.....	228	...	39	.....	1	0	...
Mean	0	0.1	2.6	42	266	307	457	236	365	15.4	0	8.2
Max.	1	3	40	95	770	748	925	598	1010	144	1	26
Min.	0	0	0	1	13	45	164	34	37	0	0	0
A. F.	2	7.9	163	2580	16440	18890	27180	14500	21730	946	2	490

Total acre-feet 102960.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT ASHLAND

Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1100	2860	3090	3250	2170	2100	3240	3310	1700	3130	387	1040
2	1270	2450	2430	2200	2470	2510	3900	3500	2690	3230	1350	1180
3	1320	2140	753	1500	2690	3160	4110	4040	7650	2680	1900	753
4	1200	1880	1470	1010	2930	3000	3900	4770	8990	1680	1430	1230
5	1300	1650	2230	1120	3350	3930	4260	4470	9340	2040	932	3120
6	1270	2090	2740	925	3820	4360	5290	4360	7820	2420	533	2900
7	1580	1720	3340	1360	4140	5030	4840	4440	5970	1950	519	5920
8	1680	1610	3050	1360	4720	5510	4040	3800	4360	1650	446	2900
9	1630	3020	3310	1890	5490	4730	5720	3440	5330	1680	342	2620
10	2770	3080	2620	1900	6080	8310	6090	3340	4620	1800	347	4040
11	2120	1450	2170	2070	5640	12500	6090	2800	4550	2090	404	3240
12	1800	570	2100	2100	6260	10600	5920	3180	5680	1880	369	1540
13	1850	470	1610	2620	6750	7380	5070	2600	6380	1800	477	1200
14	1160	540	1050	2540	8700	6860	4700	2800	4620	1610	398	2080
15	1290	580	940	3360	10200	5880	3900	2030	4180	1980	310	4260
16	2370	590	970	3780	12400	5880	6340	3210	3940	1900	270	3570
17	1390	640	740	3520	9880	4730	5180	2450	2930	1950	321	5070
18	1380	1390	770	2170	8930	4260	4880	2280	2740	2680	265	3110
19	2010	2000	880	1520	6730	5220	4700	2510	2280	3560	352	3470
20	1560	2650	770	1640	4300	4700	4290	3270	1950	2250	358	3500
21	1180	2680	791	2080	3520	5520	6210	6480	2060	1720	552	2310
22	819	3600	890	1420	3000	6340	7160	11700	1750	1500	646	2420
23	1330	3240	990	1190	2680	5600	6980	6640	4510	1290	434	2010
24	1670	4080	1400	1280	2460	4920	6210	5520	9030	1070	934	2140
25	1650	3940	1600	1130	2070	4010	5480	4400	5520	856	947	2370
26	1850	3800	2300	1220	1820	4440	4990	3500	4960	764	895	3180
27	2480	2900	2200	1430	1280	4150	4730	2860	3630	775	764	3840
28	1680	2620	2400	1440	1240	3730	4220	2340	2830	640	640	3670
29	1560	2700	2650	1760	.....	3570	3540	1780	2600	498	819	3020
30	1610	2250	3000	1840	.....	3670	3440	1650	3180	434	1240	2600
31	3020	.....	3850	1890	.....	3370	.....	1700	.....	464	819	.....
Mean	1642	2173	1871	1888	4847	5160	4981	3744	4593	1741	658	2810
Max.	3020	4080	3340	3780	12400	12500	7160	11700	9340	3560	1900	5920
Min.	819	470	740	925	1240	2100	3240	1650	1700	434	265	753
A. F.	101000	129300	115100	116100	269200	317300	296400	230200	273300	107000	40460	167200

Total acre-feet 2163000.

SEMINOE STORAGE RESERVOIR
Daily Contents in Acre-feet
Year Ending September 30, 1942

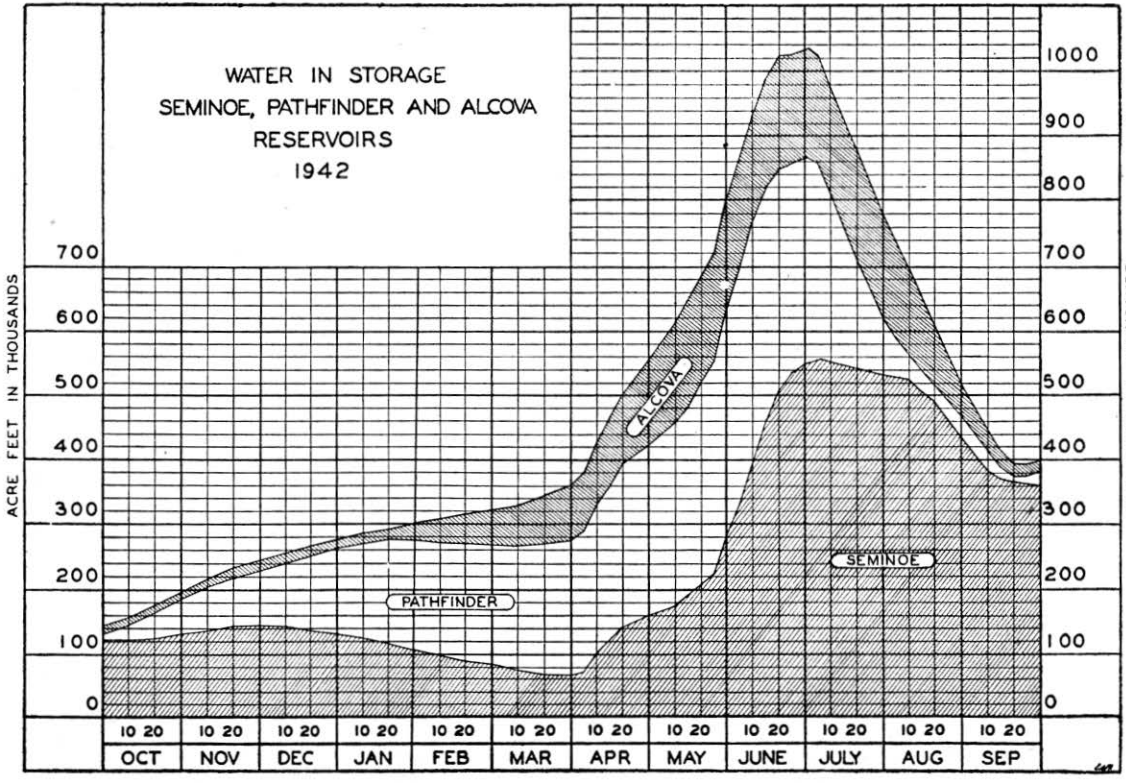
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	121720	132490	143480	131700	106650	82950	64280	162040	293960	552500	532210	433140
2	121420	133090	143720	131390	106120	82430	64640	163170	303610	553970	530680	427850
3	121470	133940	143720	130470	105100	81240	66000	164410	314050	554380	529730	421830
4	121380	134390	143860	129800	104160	79880	68450	166590	323580	555310	527480	416550
5	121420	134760	143810	129320	103260	78730	71800	168430	333810	556290	525480	411130
6	121460	134940	143720	128530	102240	77520	79150	170170	345250	556660	523270	405750
7	121300	135340	143250	127350	101350	76320	86060	172190	356430	555560	521520	400030
8	121230	135880	143250	126440	100440	75060	91700	173810	368380	554950	519660	394380
9	121050	136380	142820	125580	100030	74350	96540	175370	380040	553720	517790	389320
10	121090	136740	142400	124850	99110	73190	101280	177320	391990	552740	515930	383790
11	121130	137020	142070	124380	98110	72050	106460	180520	405170	552250	514070	380230
12	121130	137200	141640	124210	97430	71200	110920	184130	417430	551520	511900	377870
13	121340	137340	141310	123390	96300	70580	115490	188180	431000	550910	509500	374790
14	121380	137570	140670	122560	95290	70370	119750	192840	447120	550050	506870	373870
15	122180	138130	140670	121840	94480	70180	123780	196940	461020	548610	504690	372950
16	123350	138910	140110	120960	93980	70340	128080	199488	472880	547520	502300	371840
17	124160	139790	139970	119960	92940	69720	132050	202700	483450	545840	500510	370550
18	124720	140670	139050	119370	92170	69000	135610	206050	491490	544990	497360	369460
19	125410	141360	138220	118920	91310	68090	137900	208240	498930	543430	494100	368470
20	126010	142120	137710	117940	90730	67180	141170	210430	506520	543670	490750	367750
21	126140	142730	137290	116920	89790	66350	143060	212310	513960	543550	486550	366930
22	126360	142450	137290	116070	89000	65520	144620	214060	521400	543190	482460	366030
23	126490	142300	136920	115010	88360	65220	146470	216100	527600	542710	478630	365390
24	127050	142260	136150	113900	87580	64790	148010	219230	532330	541740	474940	364580
25	127560	142070	135570	112980	86470	64540	151800	224420	537060	540660	470280	363850
26	128390	142020	135390	112460	85580	64540	153870	230230	540660	539460	465250	363040
27	128970	141970	134850	111550	84770	64640	156710	238140	543550	538730	459920	362600
28	129720	142120	134240	110460	83730	64540	158480	248870	546080	537420	454660	362040
29	130380	142540	133640	109530	.....	64380	159840	260790	548730	536240	448980	361320
30	131220	142960	133040	108370	.....	64480	160850	272040	551030	535170	443390	360610
31	131960	.....	132230	107320	.....	64380	.....	283560	.....	533750	438430	.....

Record furnished by the United States Bureau of Reclamation.

PATHFINDER STORAGE RESERVOIR
Daily Contents in Acre-feet
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9030	54040	87280	131690	167950	184790	212200	262450	353670	314000	82910	30480
2	11170	55240	88240	132840	168320	185140	213200	262820	356660	313500	77800	30320
3	13020	56410	89370	134420	169130	186180	214540	263950	359570	310900	73110	30480
4	14400	57580	91010	135720	169730	187170	216340	263880	362210	306170	68150	30560
5	15800	59280	92450	136970	170430	188100	219140	265000	364850	299530	64160	30820
6	17000	60800	93920	138280	171240	189080	221960	268570	367410	290820	60270	30760
7	18670	62370	94960	139850	171940	190010	224630	271430	369520	282980	56650	30780
8	20230	63900	96000	141520	172370	190770	227050	274940	371460	274170	53110	30900
9	21930	65190	97000	143050	172750	191540	228080	278410	373500	265530	49820	30920
10	23580	66480	98440	144550	173560	192840	229170	281650	374260	256840	46380	30860
11	25140	67910	100120	145750	174340	193720	230070	283990	373590	247730	43530	28950
12	26490	69410	101770	146900	175000	194960	231590	286920	370440	238450	41230	26520
13	27690	70740	103410	148370	175820	196020	233110	290900	367500	228480	39170	23920
14	29330	72700	104880	150050	176540	197120	235880	294500	364300	219260	37630	19870
15	30840	73890	106380	151480	176920	197540	238330	297910	360750	210370	34900	16880
16	32380	74600	107840	153010	177310	197920	240780	301280	357380	201750	32360	14090
17	33930	75350	109690	154750	178170	198760	243630	305180	353490	193370	29820	11490
18	35280	76140	111180	156020	178740	199680	246580	307750	350340	185140	28510	9570
19	36610	76940	112940	157240	179120	200350	250120	311070	346560	176760	27640	9110
20	37760	77690	114680	158900	179290	201750	253630	314590	342910	167950	27050	8190
21	39170	78430	116250	160720	179850	202610	256470	317970	339170	159940	26770	7230
22	40760	78910	117780	160930	180410	203230	259040	321470	334220	151890	27100	8410
23	42320	79580	119280	161610	180970	204220	261410	324760	330000	143750	27140	10210
24	43900	80240	120890	162280	181590	205460	261630	328660	325370	135910	27370	12050
25	45130	81170	122180	162650	182370	206580	261780	330610	320960	128040	28080	13700
26	46270	82310	123480	163020	183040	207510	261710	333870	317970	120200	29160	14810
27	47560	83480	124840	163600	183720	208440	261630	337480	316780	112330	30300	16700
28	48840	84620	125970	164610	184390	209240	261710	340860	316440	105060	30680	17640
29	50220	85570	127100	165830	.....	209800	261490	344150	315350	99300	30540	18950
30	51580	86450	128710	166780	.....	210310	261930	347730	314590	93600	30380	20590
31	52850	.....	130390	167580	.....	211250	.....	350610	.....	88200	30560	.....

Record furnished by the United States Bureau of Reclamation.


WATER IN STORAGE
SEMINOE, PATHFINDER AND ALCOVA
RESERVOIRS
1942
ACRE FEET IN THOUSANDS
0
100
200
300
400
500
600
700
800
900
1000
ALCOVA
SEMINOE
PATHFINDER
10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20 10 20
OCT NOV DEC JAN FEB MAR APR MAY JUNE JULY AUG SEP

ALCOVA RESERVOIR
Daily Contents in Acre-feet
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13180	13390	14340	15050	26780	54950	87950	136590	165000	167930	156880	48580
2	13220	13420	14360	15090	27780	55960	88620	139810	165200	168090	155780	46480
3	13230	13460	14390	15110	28770	56960	89690	142870	165430	167970	154540	44440
4	13210	13490	14410	15140	29770	57980	90810	146020	165680	167990	152500	42470
5	13190	13540	14450	15160	30770	59030	91950	149300	165930	167680	150180	40570
6	13170	13570	14470	15190	31750	60040	93070	150490	166200	167400	147660	38980
7	13140	13600	14490	15220	32750	61080	94140	151600	166360	167150	145110	37290
8	13080	13640	14510	15230	33750	62120	95200	152650	166560	166990	142350	35700
9	13050	13670	14530	15270	34760	63160	96260	153620	166670	166830	139560	34200
10	13020	13700	14550	15290	35770	64170	97320	154600	166830	166720	136240	32870
11	12980	13730	14570	15310	36750	65320	98410	155590	166610	166540	132580	31690
12	12940	13770	14590	15330	37740	66460	99480	156600	166720	166520	128670	30310
13	12930	13870	14620	15360	38750	67470	100560	157670	166700	166430	124590	28820
14	12910	13940	14640	15390	39770	68550	101640	158710	166810	166520	120420	27300
15	12860	13950	14670	15430	40780	69620	102710	159710	166900	166760	117140	25430
16	12840	13970	14680	15450	41790	70710	103700	160750	166990	166850	112580	23400
17	12820	13990	14690	15480	42810	71770	104790	161260	166990	166810	107450	20850
18	12790	14030	14710	15500	43820	72830	105880	161710	167010	166670	102350	18190
19	12820	14050	14730	15520	44830	73920	107060	162200	167040	166400	97390	18000
20	12840	14080	14740	15550	45830	74990	108250	162710	167060	166090	92430	18030
21	12880	14110	14760	15580	46830	76040	109310	163000	167040	165610	87460	18060
22	12900	14120	14780	16650	47860	77090	110340	163210	166920	165070	82550	18060
23	12970	14150	14800	17780	48880	78160	111490	163390	166830	164420	77840	18050
24	13020	14180	14820	18820	49880	79260	114450	163590	166920	163720	73320	17990
25	13060	14200	14850	19830	50900	80340	117660	163770	166990	162440	68840	17990
26	13120	14220	14880	20850	51900	81380	120790	163970	167170	161150	64660	17990
27	13180	14250	14900	21850	52910	82440	123950	164150	167290	160710	60670	17990
28	13240	14270	14930	22870	53940	83460	127090	164300	167470	160190	57880	18000
29	13270	14200	14960	23860	.....	84470	130190	164510	167630	159640	55380	18000
30	13300	14310	14990	24840	.....	85470	133430	164640	167770	158870	53050	18020
31	13340	.....	15020	25810	.....	86530	.....	164820	.....	157940	50760	.....

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
OUTFLOW OF ALCOVA RESERVOIR
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	66	3	3	3	3	3	3	3	5	980	4190	4010
2	52	3	3	3	3	3	3	3	5	980	4180	3960
3	52	3	3	3	3	3	3	3	56	2000	4140	3940
4	52	3	3	3	3	3	3	5	48	3040	4480	3900
5	52	3	3	3	3	3	3	5	47	3870	4490	3880
6	52	3	3	3	3	3	3	5	46	4880	4500	3830
7	52	3	3	3	3	3	3	5	92	4880	4460	3800
8	52	3	3	3	3	3	3	5	98	5340	4460	3770
9	50	3	3	3	3	3	3	5	269	5380	4430	3720
10	50	3	3	3	3	3	3	5	792	5380	4550	3700
11	50	3	3	3	3	3	3	5	1610	5380	4610	3660
12	41	3	3	3	3	3	3	5	2450	5400	4620	3620
13	52	3	3	3	3	3	3	5	2590	5400	4620	3590
14	47	3	3	3	3	3	3	5	2590	5420	4500	3540
15	60	3	3	3	3	3	3	5	2590	5320	4500	3480
16	47	3	3	3	3	3	3	5	2590	5340	4910	3400
17	44	3	3	3	3	3	3	5	2590	5340	4960	3290
18	47	3	3	3	3	3	3	5	2590	5530	4800	3160
19	24	3	3	3	3	3	3	5	2590	5550	4720	662
20	32	3	3	3	3	3	3	5	2590	5530	4670	536
21	22	3	2	3	3	3	3	5	2590	5530	4620	542
22	20	3	3	3	3	3	3	5	2960	5510	4580	205
23	20	3	3	3	3	3	3	5	3000	5460	4520	98
24	20	3	3	3	3	3	3	5	3000	5420	4430	36
25	20	3	3	3	3	3	3	5	3000	5610	4340	3
26	20	3	3	3	3	3	3	5	2180	5530	4260	3
27	20	3	3	3	3	3	3	5	1210	5060	4220	3
28	3	3	3	3	3	3	3	5	972	4990	4160	3
29	3	3	3	3	...	3	3	5	972	4380	4120	3
30	3	3	3	3	...	3	3	5	972	4310	4080	3
31	3	...	3	3	...	3	...	5	...	4280	4060	...
Mean	36	3	3	3	3	3	3	5	1569	4743	4457	2278
Max.	66	3	3	3	3	3	3	5	3000	5610	4960	4010
Min.	0	3	3	3	3	3	3	3	3	980	4080	3
A. F.	2240	180	180	180	180	180	180	300	93410	291610	274080	135570

Total acre-feet 798290.
Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER INFLOW OF GUERNSEY RESERVOIR
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	569	353	343	42	189	186	202	2790	1790	1330	4120	4040
2	524	312	365	129	234	176	166	3110	1640	1220	3990	3970
3	530	353	307	320	249	166	186	3080	1480	1210	4030	3920
4	608	247	483	183	219	217	156	3060	1250	1230	3960	3960
5	633	338	232	223	239	176	131	2930	1120	1050	4000	3930
6	573	328	280	129	239	230	293	3250	1010	1760	4190	3920
7	588	312	226	88	239	194	278	3600	925	3240	4270	3880
8	495	207	237	179	229	210	446	3800	818	4370	4320	3810
9	485	277	105	144	219	260	878	3830	712	4590	4490	3750
10	423	282	92	94	224	270	976	4300	719	5000	4340	3730
11	428	262	79	134	204	315	887	4800	619	5130	4180	3680
12	398	242	38	152	244	315	935	5070	594	5190	4260	3680
13	428	272	217	152	204	331	954	4960	549	5220	4380	3760
14	307	282	62	86	194	426	1120	5320	1350	5150	4330	3690
15	368	252	259	117	219	381	1130	5290	2280	5160	4400	3620
16	363	307	278	127	194	426	1080	5000	2580	5200	4290	3530
17	343	247	271	112	148	472	967	5280	2490	5110	4350	3440
18	323	285	321	150	132	477	1070	5560	2520	5110	4670	3550
19	323	287	292	135	134	431	954	4550	2440	5130	4840	3400
20	415	250	315	145	163	315	995	4290	2520	5330	4750	3320
21	220	247	337	156	173	270	1590	3710	2480	5340	4660	2660
22	310	238	294	137	148	260	1670	3380	2320	5280	4630	1400
23	315	56	220	169	183	260	1890	3080	2540	5270	4480	1070
24	315	137	153	155	128	210	1950	2910	2640	5210	4500	930
25	320	211	105	164	173	210	1950	2870	2970	5240	4440	1000
26	335	139	142	166	183	124	2080	2820	3730	5150	4390	666
27	338	249	99	161	158	164	2100	2840	4420	5380	4330	743
28	302	274	244	166	133	159	2020	2540	3110	5430	4240	568
29	320	280	55	162	.....	174	1940	2350	2274	5260	4170	524
30	282	337	123	190	.....	210	2100	2260	1590	4840	4140	459
31	479	.....	174	191	.....	225	.....	1930	.....	4260	5140	.....
Mean	407	253	225	150	192	265	1103	3684	1916	4289	4350	2820
Max.	633	353	488	320	249	477	2100	5560	4420	5430	5140	4040
Min.	220	56	38	42	132	124	131	1930	549	1210	3990	459
A. F.	25110	15600	13400	9240	10700	16340	65640	227230	114010	264580	268330	167800

Total acre-feet 1197080.
Record furnished by the United States Bureau of Reclamation.

GUERNSEY STORAGE RESERVOIR
Daily Contents in Acre-feet
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7300	31240	37200	28340	26550	29780	44410	49830	50180	40730	29550	20070
2	8300	31830	37280	28090	26780	30080	44700	49280	50050	38390	29290	19320
3	9330	32500	37220	28090	27040	30360	45030	48500	50200	35030	28780	18550
4	10520	32960	37570	27880	27240	30740	45300	49930	49860	30760	28030	17840
5	11760	33600	37430	27750	27470	31040	45520	49770	49190	25820	26990	17130
6	12880	34220	37470	27470	27700	31450	45810	49560	48070	21260	26570	16770
7	14030	34810	37430	27110	27930	31790	45500	49350	46730	18790	26050	16700
8	15000	35190	37470	26950	28140	32160	45480	49280	45519	17770	25270	16620
9	15950	35710	37330	26710	28340	32630	45630	49260	43000	16700	24980	16630
10	16770	36240	36920	26370	28530	33120	45590	49210	40270	16320	24390	16900
11	17600	36730	36460	26140	28670	33700	45410	49700	37280	16060	23600	17450
12	18370	37180	36180	26120	28890	34280	45340	49930	33720	15910	22990	18060
13	19200	37690	36100	26100	29030	34890	45340	49720	30640	15820	22630	19310
14	19790	38220	36000	25950	29160	35690	45720	49840	29310	15640	22110	20690
15	20500	38260	35850	25860	29340	36400	46100	49790	29810	15480	21680	22140
16	21200	38130	35710	25790	29470	37200	46300	49050	30850	15660	21070	23450
17	21860	38220	35430	25690	29510	38090	46420	48730	31530	15670	20560	24580
18	22480	38180	35250	25660	29290	38990	46680	48330	32070	15690	20820	26370
19	23100	38130	34890	25600	29070	39800	46530	48230	31990	15750	21450	28850
20	23880	38050	34530	25570	29140	40060	46420	47910	31550	16340	21800	31710
21	24280	38020	34260	25570	29230	40550	47530	47710	30890	17410	21940	33390
22	24860	37880	33940	25520	29270	41020	48800	47320	30490	18420	22000	32590
23	25450	37520	33450	25600	29380	41490	49280	47420	30320	19590	21690	31280
24	26050	37260	32780	25670	29380	41860	49140	47530	30400	20690	21420	29800
25	26660	37080	32050	25770	29470	42230	48980	48140	31160	22100	21270	28910
26	27300	36850	31700	25860	29580	42430	49080	48570	34570	23300	20970	27930
27	27940	36770	31000	25950	29640	42710	49220	49080	36580	24800	20750	27400
28	28510	36810	30610	26050	29650	42980	49170	48980	42010	26640	20380	26570
29	29120	36770	30160	26140	.....	43280	48980	49750	42780	28340	19870	25670
30	29650	37000	29650	26270	.....	43650	49510	50480	42060	29420	19310	24640
31	30570	.....	29140	26410	.....	44050	.....	50480	.....	29550	20750	.....

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER OUTFLOW OF GUERNSEY RESERVOIR
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	156	15	242	390	118	120	20	2630	1920	1980	4100	4370
2	20	15	325	310	118	25	20	3370	1700	2380	4100	4340
3	11	15	337	320	118	25	20	3450	1400	2880	4280	4300
4	8	15	312	289	118	25	20	2380	1400	3370	4320	4300
5	8	15	303	289	123	25	20	3010	1440	3520	4510	4280
6	8	15	260	270	123	23	47	3360	1560	4040	4390	4100
7	8	15	246	270	123	23	434	3680	1580	4470	4510	3900
8	6	15	217	260	123	23	456	3820	1580	4870	4700	3840
9	6	15	176	265	118	23	802	3820	1800	5110	4620	3730
10	10	15	299	265	128	23	986	4320	2080	5180	4620	3580
11	10	15	311	250	133	23	978	4530	2110	5250	4560	3400
12	10	15	179	162	133	23	970	4940	2370	5250	4560	3370
13	10	15	257	162	133	23	954	5070	2100	5250	4560	3120
14	10	15	112	162	128	23	930	5250	2010	5230	4580	2980
15	10	232	335	162	128	23	938	5300	2020	5230	4600	2880
16	10	373	349	162	128	23	978	5370	2050	5090	4600	2860
17	10	202	412	162	128	23	906	5370	2130	5090	4600	2860
18	10	305	412	165	243	23	938	5250	2230	5090	4530	2650
19	10	312	474	165	245	23	1030	5090	2470	5090	4510	2150
20	22	290	497	160	128	184	1050	4440	2730	5020	4560	1870
21	18	262	473	156	128	23	1030	3800	2800	4790	4580	1810
22	18	309	455	162	128	23	1030	3560	2720	4760	4580	1800
23	18	238	467	129	128	23	1650	3010	2620	4660	4620	1720
24	12	268	491	120	128	23	2030	2840	2590	4640	4620	1670
25	12	302	473	114	128	23	2030	2540	2580	4510	4510	1440
26	12	255	318	121	128	23	2030	2580	1990	4530	4530	1160
27	15	289	452	116	128	23	2030	2560	1870	4600	4430	1010
28	15	254	441	116	128	23	2040	2580	1870	4490	4410	986
29	12	300	282	117	.....	23	2040	1910	1870	4390	4410	978
30	15	221	380	124	.....	23	1830	1890	1930	4280	4410	978
31	15	.....	431	120	.....	23	.....	1920	.....	4180	4410	.....
Mean	17	154	346	195	134	32	1010	3670	2052	4490	4490	2750
Max.	156	373	497	390	245	184	2040	5370	2800	5250	4700	4370
Min.	6	15	112	114	118	23	20	1890	1410	1980	4100	978
A. F.	1020	9160	21260	11980	7460	1940	59980	225460	122020	276140	276340	163560

Total acre-feet 1176260.
Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT WYOMING-NEBRASKA LINE
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	723	326	482	375	380	374	216	1670	1360	753	1260	1090
2	660	338	503	360	362	362	230	2290	1310	753	1210	1100
3	506	344	542	370	350	305	211	2600	1240	900	1220	1060
4	434	332	558	360	374	300	188	2120	1680	1060	1230	1070
5	408	332	542	340	374	270	184	2180	1190	1160	1200	1080
6	414	320	526	370	362	245	230	2490	1150	1160	1160	1060
7	414	310	475	360	344	250	295	2870	1130	1150	1140	1040
8	408	305	440	365	350	250	398	3270	1110	1110	1270	1050
9	390	295	454	420	344	255	404	3290	1120	1300	1400	1040
10	384	275	468	450	350	270	344	3700	1280	1470	1360	1020
11	384	270	410	500	338	255	332	4160	1290	1560	1300	1060
12	384	265	558	520	338	255	320	4580	1330	1590	1240	1110
13	372	245	566	510	344	265	310	5420	1270	1600	1210	1160
14	372	250	447	497	332	265	270	5580	1090	1640	1190	1020
15	360	245	404	480	338	270	245	5350	1020	1600	1190	920
16	348	285	518	475	344	260	255	5550	970	1580	1220	900
17	338	404	440	510	310	250	275	5580	902	1520	1210	910
18	326	434	503	500	330	255	265	5650	839	1540	1230	990
19	320	434	510	510	370	295	255	5720	839	1560	1170	990
20	332	454	582	520	455	310	260	5680	970	1650	1190	900
21	338	496	635	535	500	305	260	4950	1070	1510	1140	753
22	344	503	574	550	374	275	240	4630	1070	1470	1140	681
23	344	510	518	503	332	235	300	4080	1020	1450	1190	618
24	350	461	490	482	332	220	840	3830	1070	1470	1260	600
25	344	534	480	434	332	240	1120	3560	1220	1420	1230	627
26	338	599	445	428	332	260	1130	3360	1010	1410	1180	600
27	332	518	427	422	344	235	1190	3030	1080	1640	1150	618
28	326	510	420	416	368	206	1190	2720	1310	1520	1070	609
29	315	526	440	410	.....	211	1200	2080	980	1370	1070	576
30	315	525	420	398	.....	216	1340	1500	857	1350	1080	536
31	315	.....	400	386	.....	216	.....	1370	.....	1310	1080	.....
Mean	385	388	490	445	357	264	477	3705	1126	1376	1200	891
Max.	723	599	635	550	500	374	1340	5720	1680	1690	1400	1110
Min.	315	245	400	340	310	206	184	1370	839	753	1070	536
A. F.	23680	23100	30100	27340	19840	16220	28360	227800	67000	84630	73770	53010

Total acre-feet 674800.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT MITCHELL
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	650	565	655	490	570	550	408	2380	1220	317	423	272
2	700	565	645	560	560	550	404	2460	1010	257	376	276
3	796	570	665	600	568	520	399	3080	900	214	348	292
4	720	550	675	610	552	490	394	2970	1230	191	335	296
5	690	535	670	610	592	485	389	2470	819	191	296	304
6	675	535	670	600	625	485	394	2830	655	188	242	322
7	660	530	645	600	615	461	442	3200	615	172	242	330
8	655	520	610	580	610	476	500	3660	590	153	260	339
9	640	510	610	610	600	466	555	3840	570	150	300	322
10	620	476	620	640	590	466	520	4320	570	165	480	322
11	600	466	555	660	585	456	505	4850	575	235	394	326
12	590	450	595	660	590	452	480	4820	560	242	385	371
13	585	440	655	660	580	452	466	5760	570	260	353	432
14	575	440	625	660	565	456	447	6160	510	288	313	466
15	570	440	560	650	565	466	437	5560	471	399	288	408
16	555	520	545	640	555	456	428	5600	447	385	292	353
17	545	580	595	635	520	447	428	5760	413	300	296	353
18	535	600	605	620	480	437	442	5800	394	268	280	461
19	530	605	630	620	456	466	456	5740	344	292	264	610
20	525	605	640	640	565	456	452	5760	308	615	264	675
21	525	655	730	660	625	500	432	5300	308	471	264	565
22	530	680	690	670	600	485	432	4850	330	452	253	495
23	535	700	690	670	565	480	471	4470	334	447	253	600
24	530	580	670	670	535	471	754	4010	380	461	284	665
25	525	650	620	660	540	495	1310	3740	685	530	296	690
26	540	690	580	640	530	476	1300	3320	585	476	288	680
27	545	665	540	630	530	471	1420	2980	565	510	280	702
28	570	660	540	620	540	447	1440	2600	655	585	276	744
29	580	670	550	600	.....	437	1400	2080	570	560	276	963
30	570	690	570	590	.....	437	1610	1320	466	530	280	909
31	565	.....	600	580	.....	423	.....	1160	.....	466	268	.....
Mean	595	571	621	624	565	471	650	3963	588	347	305	485
Max.	796	700	730	670	625	550	1610	6160	1230	615	480	963
Min.	525	440	540	490	456	423	389	1160	308	150	242	272
A. F.	36560	34000	38180	38350	31350	28990	38710	243700	35010	21360	18740	28850

Total acre-feet 593800.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT MINATARE
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	970	849	923	600	770	679	622	2480	1560	626	504	451
2	1160	863	910	620	774	690	613	2430	1410	508	482	451
3	1240	877	919	630	779	688	619	2640	1290	375	447	454
4	1250	874	957	650	804	658	604	2950	1490	292	428	471
5	1090	852	933	660	806	676	598	2940	1310	271	396	502
6	1020	852	919	660	790	680	590	2760	1000	253	372	545
7	967	829	893	670	775	636	600	2900	876	222	339	551
8	949	825	855	660	771	634	649	3210	831	207	381	555
9	913	829	833	680	748	638	700	3630	849	191	487	552
10	859	806	811	660	734	643	718	3980	825	216	454	537
11	862	780	810	740	730	637	661	4400	854	405	436	566
12	867	791	776	910	731	656	644	4530	888	351	408	662
13	876	787	840	920	727	650	614	5310	1010	322	389	710
14	876	787	879	910	731	695	593	6700	966	315	363	732
15	868	787	831	910	742	697	582	5990	805	337	346	774
16	866	769	763	890	726	669	566	5980	776	355	349	697
17	851	796	801	920	647	657	562	6140	726	345	350	666
18	841	878	780	980	586	652	622	5980	660	321	359	819
19	841	902	807	987	565	696	742	5930	682	312	346	1210
20	835	899	823	931	695	678	708	5750	628	652	340	1340
21	823	908	857	880	817	674	652	5490	620	667	346	1160
22	820	949	917	840	783	709	626	4960	699	616	340	974
23	819	893	907	855	750	689	706	4620	765	555	345	955
24	845	883	866	838	712	661	1150	4180	768	496	356	1030
25	847	883	904	799	689	661	1530	3880	956	507	367	1160
26	881	921	828	800	681	650	1570	3480	1100	521	368	1240
27	872	935	780	818	689	653	1640	3250	933	594	349	1190
28	903	906	703	804	694	636	1580	2800	964	644	348	1170
29	891	921	590	801	.....	627	1510	2420	968	620	371	1250
30	854	925	610	796	.....	629	1700	1850	766	595	398	1270
31	859	.....	640	778	.....	621	.....	1630	.....	537	417	.....
Mean	917	859	828	793	730	662	842	4038	932	427	386	821
Max.	1250	949	957	987	817	709	1700	6700	1560	667	504	1340
Min.	819	769	590	600	565	621	562	1630	620	191	339	451
A. F.	56360	51090	50910	48790	40550	40700	50120	248300	55490	26240	23760	48880

Total acre-feet 741200.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT BRIDGEPORT

Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1120	1100	1250	640	1360	968	826	2860	2220	1120	883	603
2	1250	1140	1250	650	1400	1080	812	3200	2100	843	871	649
3	1360	1190	1210	680	1250	1100	785	3000	1830	638	669	626
4	1470	1190	1160	700	1190	1020	798	3170	1850	504	821	711
5	1490	1180	1120	700	1290	1020	774	3760	1970	463	638	761
6	1380	1140	1080	700	1180	1060	762	3500	1600	455	607	798
7	1250	1120	1050	700	1080	952	762	3210	1350	429	568	834
8	1140	1060	1050	700	1050	1020	774	3420	1260	371	542	833
9	1160	984	1050	780	984	1030	893	3780	1490	334	642	840
10	1180	936	1020	920	968	984	1000	5330	1200	296	696	833
11	1190	880	1000	1040	1020	1050	1030	4810	1200	961	659	716
12	1210	866	1100	1400	1020	1050	984	5310	1210	575	633	829
13	1210	893	1060	1380	968	1030	880	6330	1240	445	643	954
14	1210	906	1100	1350	920	1080	812	8110	1290	387	585	1030
15	1210	936	1140	1350	920	984	750	8870	1390	368	515	1000
16	1180	968	1080	1350	936	812	716	6720	1240	389	544	948
17	1140	968	1080	1390	861	785	704	6560	1040	411	534	857
18	1120	1000	1080	1430	458	852	785	6500	951	385	511	857
19	1120	1030	1100	1400	716	906	1060	6390	878	356	531	1280
20	1140	1100	1180	1400	1380	936	1060	6390	863	686	503	1340
21	1160	1060	1160	1220	1510	952	952	6220	796	1120	471	1510
22	1180	1060	1030	1090	1420	826	906	5750	1080	882	457	1530
23	1190	1030	1050	1120	1100	852	852	5400	1360	762	441	1400
24	1250	1060	1020	1050	984	920	1290	5280	1260	776	491	1300
25	1270	1160	906	1090	906	952	1700	4960	1370	768	502	1510
26	1380	1190	880	1180	984	880	1790	4670	1440	716	441	1530
27	1230	1270	610	1240	920	866	1990	4330	1430	742	455	1630
28	1180	1310	600	1320	1020	812	2080	4060	1440	946	471	1620
29	1180	1310	620	1400	.....	852	2020	3740	1620	949	489	1540
30	1120	1340	640	1380	.....	880	2290	3180	1440	940	535	1540
31	1100	.....	680	1270	.....	852	.....	2760	.....	959	564	.....
Mean	1218	1079	1011	1097	1064	947	1095	4889	1380	644	578	1080
Max.	1490	1340	1250	1430	1510	1100	2290	8870	2220	1120	883	1630
Min.	1100	866	600	640	458	785	704	2760	796	296	441	603
A. F.	74920	64220	62190	67480	59100	58240	65130	300600	82130	39620	35530	64280

Total acre-feet 973400.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT LISCO

Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1220	1160	1550	830	1230	1080	1090	3380	3290	1400	858	572
2	1400	1180	1520	860	1320	1180	1090	3380	2690	1200	845	744
3	1550	1210	1420	890	1360	1220	1080	3620	2390	985	793	732
4	1650	1230	1550	910	1640	1200	1090	3500	2170	780	1310	720
5	1790	1210	1480	910	1700	1340	1060	3690	2170	594	1200	732
6	1770	1210	1460	910	1520	1310	1030	4090	2080	490	925	793
7	1680	1230	1420	920	1440	1200	1020	4000	1840	460	832	845
8	1590	1160	1340	930	1440	1090	955	3590	1630	422	756	819
9	1590	1160	1290	1050	1310	1090	1020	3780	1790	402	684	806
10	1520	1130	1200	1310	1230	1210	1060	4440	1590	321	756	832
11	1440	1140	1270	1400	1210	1180	1080	5860	1310	321	806	793
12	1380	1130	1360	1420	1210	1180	1080	5690	1400	732	768	780
13	1340	1140	1360	1590	1250	1140	1080	6690	1550	605	744	910
14	1340	1110	1320	1520	1250	1270	1030	7090	1550	490	720	985
15	1340	1140	1310	1520	1270	1310	985	7900	1630	374	638	1080
16	1290	1130	1320	1580	1290	1180	970	7940	1680	296	540	1180
17	1250	1090	1290	1580	1080	1060	970	7090	1400	312	510	1230
18	1230	1090	1210	1600	640	1020	1090	7160	1290	321	510	1230
19	1210	1160	1180	1530	760	1110	1360	7120	1210	278	480	1270
20	1210	1200	1230	1480	990	1140	1400	7050	1090	393	480	1440
21	1250	1160	1270	1430	1300	1080	1210	6980	1230	530	460	1610
22	1270	1120	1320	1460	1350	1060	1140	6870	1230	744	460	1700
23	1250	1080	1290	1430	1150	1090	1140	6550	1420	672	450	1680
24	1270	1200	1270	1420	1080	1110	1630	6130	1550	720	440	1550
25	1320	1280	1200	1380	1020	1140	2270	5960	1500	744	450	1610
26	1570	1380	1000	1310	1100	1110	2320	5520	1520	660	470	1740
27	1360	1450	800	1380	1070	1040	2390	5150	1680	756	460	1810
28	1160	1470	780	1380	1140	1000	2390	4790	1720	884	440	1860
29	1140	1500	820	1300	.....	1000	2370	4470	1500	955	440	1860
30	1140	1600	860	1300	.....	1030	2780	4220	1570	955	450	1860
31	1180	.....	840	1260	.....	1080	.....	3810	.....	925	490	.....
Mean	1377	1215	1243	1284	1227	1137	1373	5404	1689	636	650	1192
Max.	1790	1600	1550	1600	1700	1340	2780	7940	3290	1400	1310	1860
Min.	1140	1080	780	830	640	1000	955	3380	1090	278	440	572
A. F.	84690	72300	76420	78920	68130	69920	81680	332300	100500	39120	40000	70950

Total acre-feet 1115000.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT OSHKOSH
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1230	1510	1400	700	1470	1220	1060	4140	3560	1390	856	456
2	1320	1460	1350	720	1470	1320	1020	3250	2830	1280	804	692
3	1390	1460	1370	740	1550	1420	1080	3590	2510	1100	804	692
4	1610	1370	1440	760	1540	1400	1100	3700	2180	1020	856	692
5	1730	1320	1350	780	1540	1600	1040	3880	2030	838	1280	724
6	1680	1320	1350	820	1560	1620	1100	3730	1930	620	982	804
7	1580	1230	1350	820	1570	1600	1060	3920	1780	552	820	820
8	1580	1300	1320	840	1740	1560	1000	3480	1660	433	740	772
9	1580	1350	1200	880	1790	1260	1080	3150	1730	372	724	820
10	1540	1350	1100	940	1700	1280	1260	3700	1800	353	708	820
11	1440	1370	1150	1000	1420	1230	1210	4500	1440	353	756	820
12	1350	1390	1250	1070	1350	1260	1170	5020	1350	433	724	804
13	1390	1390	1220	1180	1350	1150	1170	5820	1390	606	708	804
14	1320	1320	1200	1250	1370	1190	1080	7050	1390	456	708	788
15	1320	1300	1200	1310	1350	1230	1060	7820	1440	391	724	874
16	1420	1250	1500	1310	1230	1100	946	8930	1630	362	660	964
17	1370	1210	1700	1380	1050	982	856	7430	1320	362	606	1020
18	1320	1230	1420	1340	660	964	1080	6730	1280	362	592	1020
19	1260	1230	1420	1330	760	946	1420	6730	1210	372	525	1040
20	1300	1170	1230	1330	980	1000	1460	6580	1130	400	468	1230
21	1280	1150	1190	1420	1440	1060	1420	6370	1390	410	422	1490
22	1300	1130	1210	1410	1420	1150	1300	6320	1280	579	433	1610
23	1300	1100	1170	1390	1380	1210	1260	6270	1260	740	410	1610
24	1260	1200	1110	1370	1300	1190	1630	5970	1490	820	392	1390
25	1370	1300	1020	1520	1200	1210	2180	5680	1350	946	410	1680
26	2000	1280	900	1470	1250	1080	2210	5440	1350	788	433	1800
27	1880	1060	740	1420	1200	1040	2340	5070	1510	772	444	1800
28	1510	946	660	1470	1260	1020	2480	4590	1610	804	410	1780
29	1510	1200	680	1530	.....	946	2370	4300	1420	874	391	1760
30	1480	1500	700	1470	.....	1020	2800	4220	1370	892	372	1880
31	1510	.....	700	1490	.....	1080	.....	4030	.....	838	372	.....
Mean	1456	1280	1180	1176	1354	1204	1408	5207	1654	662	630	1115
Max.	2000	1510	1700	1530	1790	1620	2800	8930	3560	1390	1280	1880
Min.	1230	946	660	700	660	946	856	3150	1130	353	372	456
A. F.	89510	76160	72600	72320	75170	74060	83790	320200	98420	40700	38750	66360

Total acre-feet 1108000.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT LEWELLEN
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1400	1520	1580	790	1590	1960	1010	4180	4090	1580	851	508
2	1420	1500	1470	780	1470	2010	990	4170	3240	1460	841	750
3	1520	1540	1470	810	1700	1750	976	3920	2680	1310	846	729
4	1770	1560	1480	810	1910	1830	969	4030	2390	1150	814	691
5	1980	1540	1460	800	2100	2020	1010	4450	2220	1020	1110	704
6	1900	1510	1450	860	2260	2320	1050	4320	2140	898	1020	741
7	1760	1520	1470	930	2270	2120	1070	4280	1960	815	866	776
8	1630	1530	1410	973	2100	1710	1080	4280	1680	725	847	770
9	1560	1510	1370	940	1880	1520	1080	3780	2010	633	805	779
10	1520	1480	1090	970	1720	1440	1120	4160	1950	576	781	797
11	1520	1480	602	970	1590	1460	1180	4440	1670	518	816	804
12	1500	1500	552	1030	1510	1380	1190	5710	1560	489	814	846
13	1500	1520	700	1230	1520	1380	1160	6190	1660	580	843	839
14	1530	1500	975	1270	1520	1370	1180	6980	1750	642	802	884
15	1540	1500	1200	1430	1490	1460	1130	7320	1810	536	764	920
16	1590	1500	1470	1410	1430	1420	1100	8150	2110	469	680	973
17	1560	1450	1870	1380	1080	1330	1090	7750	1670	432	620	1030
18	1530	1440	1760	1520	986	1230	1210	7130	1580	410	587	1090
19	1510	1430	1540	1450	1020	1200	1600	7130	1580	428	537	1160
20	1460	1410	1540	1400	1270	1240	1580	7000	1460	479	492	1250
21	1480	1420	1550	1560	1310	1280	1470	6890	1640	463	465	1570
22	1490	1320	1510	1540	1260	1250	1300	6730	1790	504	444	1750
23	1520	1080	1350	1520	1340	1230	1210	6570	1540	668	421	1800
24	1490	1100	1250	1650	1420	1240	1460	6250	1910	717	396	1750
25	1550	1220	935	1650	1400	1220	2050	6050	1730	807	402	1970
26	1890	1580	750	1630	1600	1180	2270	5880	1630	776	418	2070
27	2380	1680	730	1720	1700	1090	2330	5370	1730	741	426	1990
28	2200	1460	685	1710	1810	1030	2420	4990	1930	794	425	1990
29	1870	1690	695	1790	.....	1000	2420	4640	1740	850	394	1980
30	1650	1530	730	1690	.....	1000	2720	4420	1580	870	390	1960
31	1580	.....	760	1690	.....	1010	.....	4270	.....	887	427	.....
Mean	1639	1467	1207	1287	1581	1439	1414	5530	1948	749	656	1196
Max.	2380	1680	1870	1790	2270	2320	2720	8150	4090	1580	1110	2070
Min.	1400	1080	552	780	986	1000	969	3780	1460	410	390	508
A. F.	100800	87310	74190	79150	87780	88500	84150	340000	115900	46070	40350	71150

Total acre-feet 1215000.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT KEYSTONE
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.....	.....	.....	.....	.....	6	7	43	73	83	950	431
2	.....	.....	.....	.....	.....	6	7	11	46	83	1950	311
3	.....	.....	.....	.....	.....	6	7	9	56	80	2560	86
4	.....	.....	.....	.....	.....	7	7	9	56	80	2360	56
5	.....	.....	.....	.....	.....	7	7	83	70	80	2210	41
6	.....	.....	.....	.....	.....	7	7	20	99	80	1710	36
7	.....	.....	.....	.....	.....	7	7	10	142	134	1670	30
8	.....	.....	.....	.....	.....	7	7	9	142	110	1590	26
9	.....	.....	.....	.....	.....	7	7	9	142	180	1440	17
10	.....	.....	.....	.....	.....	7	7	11	130	240	1550	17
11	.....	.....	.....	.....	.....	7	7	12	130	257	1670	17
12	.....	.....	.....	.....	.....	7	7	28	134	353	1550	17
13	.....	.....	.....	.....	.....	7	6	130	134	347	1330	18
14	.....	.....	.....	.....	.....	7	6	12	134	353	880	16
15	.....	.....	.....	.....	.....	9	6	10	130	401	606	15
16	.....	.....	.....	.....	.....	11	7	11	114	473	550	17
17	.....	.....	.....	.....	.....	12	7	17	68	455	498	17
18	.....	.....	.....	.....	.....	11	10	7	70	401	461	20
19	.....	.....	.....	.....	.....	12	11	6	96	395	479	20
20	.....	.....	.....	.....	.....	12	9	6	204	389	498	19
21	.....	.....	.....	.....	.....	13	7	6	80	383	498	17
22	.....	.....	.....	.....	.....	8	7	6	68	395	498	17
23	.....	.....	.....	.....	.....	7	7	6	68	461	498	14
24	.....	.....	.....	.....	.....	7	7	6	80	578	498	10
25	.....	.....	.....	.....	.....	9	10	9	70	669	467	18
26	.....	.....	.....	.....	.....	14	9	9	63	787	449	15
27	.....	.....	.....	.....	.....	17	17	53	83	769	449	12
28	.....	.....	.....	.....	.....	18	10	28	96	746	449	10
29	.....	.....	.....	.....	.....	8	9	86	53	753	431	10
30	.....	.....	.....	.....	.....	7	13	89	96	778	431	10
31	.....	.....	.....	.....	.....	7	....	134	....	805	419	....
Mean	.....	.....	.....	.....	.....	9	8	28	98	390	1019	45
Max.	.....	.....	.....	.....	.....	18	17	134	204	805	2560	431
Min.	.....	.....	.....	.....	.....	6	6	6	46	80	419	10
A. F	*500	*500	*500	*500	*500	549	480	1760	5810	24000	62680	2700

Total acre-feet 100480.
*Estimated.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT SUTHERLAND
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54	106	75	52	96	110	138	1090	57	21	576	110
2	37	100	75	50	110	120	121	636	54	15	507	2040
3	39	100	89	50	160	120	103	518	29	13	1070	1090
4	48	110	86	50	180	150	82	410	19	12	1900	507
5	148	96	90	52	160	190	75	340	14	10	1950	312
6	92	100	92	53	140	290	75	360	12	8	1820	232
7	86	96	94	54	110	380	82	276	11	8	1580	202
8	92	96	88	56	200	312	92	225	12	8	1520	165
9	82	96	88	56	260	249	106	165	39	11	1630	143
10	57	96	84	60	300	202	96	188	45	9	1360	110
11	195	96	120	68	140	160	92	180	31	9	1220	82
12	276	103	100	74	160	138	89	154	37	9	1180	82
13	148	103	120	82	160	126	86	350	43	8	1240	121
14	106	100	140	92	150	121	89	474	33	9	1150	86
15	96	103	145	96	120	285	89	276	24	13	686	69
16	92	89	150	100	130	225	89	195	31	15	276	63
17	92	86	154	105	58	165	100	180	41	11	188	63
18	92	86	132	105	92	132	518	138	29	15	202	57
19	89	78	121	105	110	126	1360	138	27	12	165	66
20	89	72	121	110	120	148	751	160	86	13	165	66
21	96	78	116	110	130	138	420	116	82	13	165	54
22	116	69	132	120	110	121	294	106	72	13	165	48
23	89	69	160	130	72	110	258	72	66	15	165	48
24	89	72	110	140	60	106	321	51	160	25	165	57
25	100	86	82	170	66	110	624	29	132	41	165	106
26	188	82	80	180	76	106	529	19	92	96	143	110
27	202	63	75	190	100	380	340	13	86	285	126	89
28	132	66	85	190	110	350	232	11	92	340	116	86
29	121	66	66	180	.....	188	202	13	82	380	100	82
30	110	72	70	130	.....	165	529	12	41	430	89	78
31	110	....	62	143	.....	154	.....	24	....	390	78	....
Mean	108	88	103	102	131	183	266	223	53	73	705	214
Max.	276	110	160	190	300	380	1360	1090	160	430	1950	2040
Min.	37	63	62	50	58	106	75	11	11	8	78	48
A. F.	6670	5230	6350	6250	7300	11260	15830	13720	3130	4480	43360	12740

Total acre-feet 136300.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT NORTH PLATTE
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	430	300	286	230	300	340	450	1530	309	318	480	251
2	345	318	279	250	340	360	440	1440	286	345	540	3470
3	336	381	279	250	440	380	381	946	224	286	540	5960
4	336	390	309	250	440	380	354	748	206	237	890	2530
5	440	345	279	260	540	390	286	612	224	200	1480	960
6	420	372	286	280	460	480	293	645	200	188	1880	712
7	318	327	293	300	390	540	293	601	194	194	2140	570
8	327	318	265	310	390	570	327	470	212	188	2230	500
9	300	327	265	320	460	530	293	410	300	212	1880	460
10	265	336	230	310	410	490	286	420	300	182	1820	430
11	251	336	390	300	354	440	286	420	244	152	1560	390
12	372	336	318	310	300	430	286	381	272	156	1340	372
13	372	345	410	400	363	410	272	534	279	142	1320	530
14	309	318	470	460	370	410	286	820	230	147	1360	490
15	279	327	480	580	370	500	272	645	224	147	1300	381
16	286	327	500	600	309	570	230	440	258	129	848	354
17	293	327	490	600	124	430	258	363	272	117	530	345
18	318	327	400	590	230	372	820	327	212	106	410	336
19	300	327	309	580	170	372	3070	372	206	102	331	354
20	300	190	286	570	200	363	2000	440	510	117	286	354
21	318	200	286	560	300	390	918	400	540	106	286	300
22	354	190	272	560	380	372	678	354	570	113	265	300
23	318	190	251	550	380	345	570	327	450	113	279	293
24	279	230	300	550	290	327	601	286	550	117	286	293
25	293	330	272	590	240	309	1080	265	634	147	293	430
26	363	370	206	580	290	206	1280	244	430	165	293	450
27	440	350	180	550	270	327	796	212	345	390	279	400
28	390	336	210	540	300	540	570	206	450	645	272	354
29	336	318	190	500	----	450	500	206	420	540	258	336
30	286	309	240	450	----	420	560	176	336	540	230	327
31	293	----	240	380	----	440	----	244	----	540	230	----
Mean	331	313	306	437	336	416	625	499	330	228	845	774
Max.	440	390	500	600	540	570	3070	1530	634	645	2230	5960
Min.	251	190	180	230	124	206	230	176	194	102	230	251
A. F.	20360	18640	18790	26900	18660	25550	37160	30710	19610	14040	51940	46080

Total acre-feet 328400.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT JULESBURG, COLORADO
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	121	168	297	191	312	277	1080	14380	2220	3450	65	36
2	106	168	287	202	330	299	918	12810	3120	2690	69	61
3	106	167	287	218	341	313	828	12520	4470	2040	74	53
4	113	166	297	229	354	324	762	12290	2760	1600	71	50
5	122	166	268	245	367	337	690	15350	2400	1320	68	47
6	118	184	265	252	381	349	608	14480	2340	1100	63	46
7	115	208	269	270	384	335	531	14570	2230	946	54	58
8	117	223	274	282	376	355	568	12100	2130	825	47	103
9	132	232	280	284	353	399	581	10510	2440	689	47	150
10	138	239	269	291	337	494	540	10270	2580	557	50	173
11	142	249	251	301	319	621	497	9850	2580	455	49	183
12	138	261	275	311	322	648	478	9270	2770	377	46	175
13	138	267	287	309	320	864	458	9170	3160	313	43	175
14	138	268	290	323	314	1090	431	9150	3180	261	44	179
15	139	271	298	307	307	1200	379	9370	3180	223	44	176
16	136	270	301	304	306	1340	353	9350	3440	193	50	152
17	132	274	298	305	304	2460	365	9170	4030	199	44	123
18	134	275	300	348	231	6320	472	7880	5420	165	40	111
19	131	274	300	320	196	4770	779	7330	5910	154	40	113
20	139	273	299	323	199	3650	1010	6860	5180	182	37	129
21	140	278	299	332	251	2580	1190	5670	5000	179	37	154
22	140	286	299	333	300	2100	1350	4590	5330	154	35	160
23	140	276	297	276	315	1760	1690	4150	5360	130	35	170
24	142	282	284	276	298	1500	2160	3750	5630	123	33	189
25	144	293	267	277	295	1360	3140	3640	5530	112	34	210
26	165	298	160	279	287	1240	5860	3340	5480	104	35	229
27	174	297	162	280	280	1130	7320	3020	5280	99	32	274
28	164	297	168	284	280	1130	9980	2740	5100	84	34	299
29	170	299	197	288	----	1270	13830	2580	4690	75	33	324
30	173	299	191	289	----	1310	14360	2350	4110	69	32	342
31	166	----	181	301	----	1230	----	2190	----	66	32	----
Mean	138	250	264	285	309	1389	2440	8216	3902	611	46	155
Max.	174	299	301	348	384	6320	14360	15350	5910	3450	74	342
Min.	106	166	160	191	196	277	353	2190	2130	66	32	36
A. F.	8480	14890	16260	17510	17170	85400	145200	505200	232200	37560	2810	9210

Total acre-feet 1092000.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT PAXTON
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	67	158	288	70	373	250	1570	16100	2290	5800	96	84
2	73	163	288	60	370	320	1490	15700	2190	5230	90	217
3	77	177	291	80	359	420	1370	15000	2600	4100	85	179
4	80	177	294	100	349	460	1260	14700	4080	3180	79	150
5	98	179	288	110	346	530	1160	14800	3530	2560	76	123
6	131	160	285	130	342	490	1040	15600	2680	2090	74	118
7	125	160	280	120	359	500	955	16900	2420	1770	72	113
8	121	165	269	150	395	481	878	16500	2310	1490	71	108
9	123	177	266	200	402	467	838	14000	2380	1310	61	95
10	121	184	269	250	402	472	886	12000	2640	1080	53	88
11	119	189	260	270	384	481	870	11200	2820	862	90	85
12	119	196	265	300	373	505	846	10500	2840	713	106	90
13	116	206	270	330	380	546	824	10400	2950	591	103	104
14	116	216	290	370	377	584	772	10700	3180	502	90	101
15	116	231	300	420	384	649	752	10500	3390	408	79	101
16	116	239	300	470	377	848	658	10600	3750	368	71	101
17	119	244	296	500	339	966	640	10600	4080	335	69	108
18	119	252	294	490	320	1110	798	10200	4520	295	68	108
19	119	258	294	510	237	1820	1060	9400	6360	259	61	103
20	121	260	296	530	190	3660	1090	7910	9690	235	56	96
21	123	263	302	520	180	3130	1240	7960	7590	217	50	106
22	125	269	305	520	150	2640	1400	7340	7440	209	48	111
23	123	277	302	481	150	2250	1550	6400	7590	202	50	111
24	121	255	299	453	200	2050	1740	5360	8230	184	48	118
25	121	266	270	444	180	1890	2140	4440	7750	175	42	133
26	140	275	220	444	180	1720	2540	3850	7800	156	42	147
27	142	275	170	449	170	1600	3470	3430	7700	139	44	156
28	140	277	160	453	180	1480	5430	3030	7800	125	42	165
29	147	280	150	449	.....	1420	7090	2780	7340	118	42	179
30	149	282	130	427	.....	1490	15300	2570	6690	108	42	192
31	151	.....	110	398	.....	1560	.....	2420	.....	103	42	.....
Mean	119	224	261	339	302	1187	2055	9771	4888	1126	66	123
Max.	151	282	305	530	402	3660	15300	16900	9690	5800	106	217
Min.	67	158	110	60	150	250	640	2420	2190	103	42	84
A. F.	7300	13310	16070	20820	16760	72970	122300	600800	290800	69250	4050	7320

Total acre-feet 1242000.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT NORTH PLATTE
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	142	212	375	100	461	620	1280	14300	1580	4270	179	113
2	136	232	348	68	480	610	1280	13900	1410	3900	166	571
3	136	252	342	100	522	700	1150	13400	1540	3290	163	613
4	147	244	353	130	536	620	1070	12600	2100	2650	160	467
5	169	232	353	150	474	585	938	12300	3570	2070	153	370
6	172	256	332	160	399	684	874	12400	2710	1780	156	306
7	179	256	332	150	332	652	790	15100	1930	1640	160	265
8	193	244	332	230	332	628	763	13700	1700	1500	160	240
9	190	236	348	300	393	620	736	13200	1720	1300	153	220
10	190	224	292	330	474	585	718	10800	1740	1110	147	216
11	190	244	260	353	399	585	682	9920	1820	966	147	212
12	193	256	265	364	337	599	668	9500	2050	814	144	209
13	190	256	327	461	283	606	652	9190	2120	718	166	232
14	186	236	322	543	327	709	636	9550	2260	628	163	252
15	186	240	316	599	387	838	571	8970	2540	564	156	228
16	182	244	375	676	364	886	504	8360	2900	494	147	205
17	197	265	370	736	327	886	467	8450	3140	467	136	197
18	205	288	348	754	300	1050	838	8660	3200	435	136	193
19	193	278	364	718	420	1320	2100	8530	3570	404	130	197
20	186	252	387	668	660	2390	1560	8400	5480	375	130	197
21	205	260	448	636	470	6090	802	7820	6430	327	128	190
22	220	283	454	628	400	4140	790	7010	4760	288	120	190
23	212	260	410	606	400	2790	910	6210	4480	288	120	193
24	190	240	375	606	370	2320	1150	5340	5300	274	120	197
25	190	244	387	508	480	1850	1640	4380	5590	269	113	228
26	228	332	278	515	460	2020	2070	3700	5630	256	111	236
27	240	364	228	474	580	1620	2360	2880	5370	248	109	244
28	212	342	190	454	610	1260	3640	2360	5370	228	109	252
29	220	316	180	508	.....	1300	6280	2000	4940	209	107	269
30	232	327	170	536	.....	1010	9590	1700	4660	201	104	269
31	224	.....	130	508	.....	994	.....	1780	.....	193	102	.....
Mean	191	264	322	438	428	1341	1584	8594	3387	1037	139	259
Max.	240	364	454	754	660	6090	9590	15100	6430	4270	179	613
Min.	136	212	130	68	283	585	467	1700	1410	193	102	113
A. F.	11770	15700	19820	26910	23760	82450	94230	528400	201500	63780	8520	15410

Total acre-feet 1092000.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT BRADY
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	75	63	75	61	77	139	224	9170	109	5160	1340	34
2	72	66	72	57	183	146	194	11900	107	4760	1480	1730
3	66	76	75	54	192	141	185	12500	99	4300	1480	6450
4	73	71	75	50	143	160	156	11900	94	3770	1380	4870
5	85	71	78	52	137	196	145	11600	1160	3260	1350	2280
6	73	76	88	51	138	340	135	11400	2060	2590	1430	1370
7	66	73	91	52	128	308	121	14000	654	2360	1560	881
8	60	69	81	52	140	281	114	14700	165	2180	1480	519
9	59	68	90	52	152	230	111	14500	139	1680	1240	332
10	54	63	81	71	176	219	107	13300	126	1250	1110	234
11	48	62	82	88	121	190	101	11400	117	1620	959	171
12	46	63	86	80	109	176	96	10000	934	2450	783	138
13	48	65	98	90	154	166	98	9770	1610	2210	805	192
14	44	58	100	98	165	166	91	9870	1610	2280	923	168
15	44	62	96	96	123	171	86	9990	1680	996	1020	152
16	42	66	96	101	118	169	79	8710	1980	152	863	137
17	42	67	90	110	111	164	79	7720	2070	56	342	125
18	41	68	83	118	77	153	147	7430	2160	54	320	123
19	41	66	83	171	79	146	2140	7320	1800	77	271	123
20	44	62	89	226	92	146	4000	7220	2180	68	177	121
21	48	61	88	234	114	829	2030	6340	5090	56	125	116
22	58	71	84	242	97	2890	883	5540	5770	52	74	117
23	57	70	87	245	89	2920	356	4850	5580	43	67	117
24	54	81	84	227	86	1960	307	4220	6320	41	72	119
25	54	78	71	200	65	2000	511	4060	6720	37	76	154
26	69	76	75	209	72	1820	1720	3330	6640	46	94	140
27	68	76	72	189	68	1770	2620	2360	6340	959	71	126
28	62	69	75	209	97	1980	2770	1210	6470	1180	60	119
29	68	70	74	209	----	1980	3980	511	6180	1230	44	116
30	65	73	80	143	----	707	5520	136	5660	798	41	111
31	63	----	74	153	----	310	------	109	------	1220	34	------
Mean	58	69	83	129	118	741	970	7970	2721	1514	680	713
Max.	85	81	100	245	192	2920	5520	14700	6720	5160	1560	6450
Min.	41	58	71	50	65	139	79	109	94	37	34	34
A. F.	3550	4090	5100	7910	6550	45570	57730	490000	161900	93080	41790	42420

Total acre-feet 959700.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT COZAD
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	137	167	162	200	371	121	374	7700	759	5200	30	6
2	118	167	161	190	383	144	406	13500	779	4770	36	2410
3	117	184	174	170	313	185	403	14500	678	4620	92	5220
4	123	201	175	175	308	367	374	13600	391	3790	167	6310
5	149	220	167	175	217	334	291	11600	229	3170	81	3320
6	130	244	156	180	217	373	241	10300	2220	2610	69	1800
7	95	254	146	185	203	395	199	10000	1150	2060	149	1160
8	87	263	136	290	170	369	192	14200	402	2290	267	597
9	87	272	134	290	172	361	187	14300	494	2140	343	337
10	83	262	122	300	196	351	198	15200	219	1500	130	276
11	76	257	90	280	237	364	151	12500	115	1210	46	232
12	83	212	162	280	152	301	147	9700	594	1750	19	206
13	100	176	168	285	151	257	170	8440	1600	2110	163	196
14	93	204	197	288	129	255	180	8640	1550	2190	137	179
15	85	227	196	295	133	254	149	9400	1550	1570	217	159
16	83	214	191	345	132	242	132	8400	1810	455	258	141
17	83	214	148	320	141	223	119	7010	1900	290	151	115
18	83	193	142	310	128	206	199	6750	2010	229	117	88
19	83	205	124	360	98	187	330	6910	1750	164	198	88
20	79	199	126	465	113	193	3230	7410	2680	103	129	81
21	81	208	126	600	106	176	3210	6790	5100	75	59	79
22	102	207	121	675	84	1100	1470	5500	6600	31	26	72
23	94	143	101	740	91	2560	564	4700	6920	22	17	72
24	79	128	99	670	97	1840	369	3970	8550	18	14	79
25	74	186	80	476	97	1590	738	3720	8450	16	14	219
26	120	220	84	420	98	1650	979	3310	7630	19	13	242
27	278	220	82	431	99	1680	2280	2680	6850	19	13	244
28	228	197	110	357	100	1820	2730	1710	6490	95	12	217
29	214	177	130	310	----	1940	2960	1120	6320	119	11	205
30	202	177	125	346	----	1370	4570	864	5790	82	6	194
31	184	----	130	424	----	480	------	796	------	35	5	------
Mean	117	207	138	349	169	700	918	7910	3053	1379	96	818
Max.	278	272	197	740	383	2560	4570	15200	8550	5200	343	6310
Min.	74	128	80	170	84	121	119	796	115	16	5	6
A. F.	7200	12290	8460	21480	9390	43020	54630	486400	181600	84800	5930	48680

Total acre-feet 963900.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT OVERTON
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	124	183	160	110	980	115	1380	6310	2110	5960	70	79
2	142	160	151	165	920	172	1060	13200	3990	5100	70	2370
3	88	194	133	170	824	172	1120	15900	1950	5300	70	4860
4	88	194	115	180	562	388	545	15900	748	4800	80	9390
5	124	172	106	170	252	487	429	14600	729	4150	229	9210
6	115	160	79	170	229	611	710	11700	1980	3510	31	4100
7	97	183	142	180	172	502	940	10000	3720	3020	106	2060
8	53	172	88	180	218	444	786	11700	2150	2110	151	1720
9	42	183	133	180	388	350	660	14100	1840	1980	700	1320
10	20	206	53	180	824	300	805	16300	1760	1690	650	1040
11	14	194	70	180	628	264	786	14000	1760	980	472	1280
12	14	183	71	190	644	252	375	10200	2240	862	14	1760
13	31	151	110	190	611	240	288	9390	3770	1690	487	1690
14	25	124	275	190	611	325	183	9030	3070	1690	275	1470
15	31	133	240	200	660	429	124	9750	3120	1910	115	940
16	25	172	288	240	628	487	88	10200	4380	1280	160	980
17	25	160	312	260	660	530	64	8340	4800	1020	218	940
18	20	151	206	280	620	516	88	8170	4550	786	142	786
19	25	194	183	300	700	530	288	8420	4430	594	79	843
20	53	160	172	400	881	694	325	9660	5300	444	194	312
21	79	151	160	516	693	694	3730	9950	5820	375	183	487
22	79	115	172	516	660	444	1910	9120	7520	240	124	644
23	70	25	97	562	218	2110	458	7200	8510	88	64	677
24	70	142	89	578	229	4210	229	5160	8850	48	53	628
25	64	206	99	677	229	3770	375	5160	9950	53	36	594
26	88	229	120	729	200	3410	218	5960	8600	53	25	786
27	106	240	120	729	172	3020	275	4980	7200	64	31	628
28	172	206	130	729	172	3360	2510	4150	6450	64	31	388
29	206	194	110	710	.....	2420	2600	3310	6100	64	25	628
30	194	151	150	611	.....	2150	3770	1720	6030	64	20	545
31	183	.....	180	694	.....	2640	.....	2920	.....	70	14	.....
Mean	80	170	146	360	521	1162	904	9242	4448	1615	159	1772
Max.	206	240	312	729	980	4210	3770	16300	9950	5960	700	9390
Min.	14	25	53	110	172	115	64	1720	729	48	14	79
A. F.	4890	10090	8950	22150	28930	71480	53790	568300	264600	99290	9760	105400

Total acre-feet 1248000.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT ODESSA
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	137	170	3	418	100	1520	5070	2100	5500	16	0
2	0	152	152	0	634	293	795	7420	9750	5110	17	394
3	0	152	140	2	574	170	769	14500	3650	4650	17	5540
4	0	190	129	1	430	271	694	15200	1220	4500	13	5420
5	0	200	113	0	293	478	190	14700	743	3620	10	7040
6	0	180	90	2	250	526	160	12400	1240	2880	8	4390
7	0	180	78	6	105	502	550	10200	2800	3760	4	2210
8	0	160	90	12	13	394	514	10400	2040	1450	4	1350
9	0	152	74	18	42	315	282	14000	3160	1180	6	1200
10	0	170	45	20	293	210	271	15600	2040	1090	14	834
11	0	180	47	20	646	74	394	15600	2040	1070	8	743
12	0	190	50	20	562	36	153	12700	2560	980	8	950
13	0	210	12	22	646	36	42	9750	3510	875	20	1120
14	0	210	0	75	526	58	29	8880	3440	1140	18	980
15	0	190	0	74	442	200	23	10000	2560	1050	14	980
16	0	210	0	88	418	66	21	10700	3720	995	13	622
17	0	210	3	110	442	121	21	9170	4160	466	9	670
18	0	190	6	180	454	260	21	7420	4230	160	8	658
19	0	190	10	180	622	282	81	7560	3940	68	7	586
20	0	210	10	160	634	370	90	8430	5540	37	4	526
21	0	160	12	160	622	394	730	8340	5340	23	2	240
22	0	121	12	170	598	406	3330	7920	5460	20	2	326
23	0	180	10	200	80	152	1470	6190	7420	17	1	348
24	3	170	8	210	78	2210	860	4960	11600	16	1	293
25	17	190	6	200	76	3830	1200	4050	11800	20	1	430
26	54	240	4	190	74	3020	875	3940	9360	18	2	502
27	82	250	4	190	72	2880	610	3870	6990	24	1	526
28	98	240	0	137	70	3020	1350	3720	6190	21	1	220
29	152	220	4	210	....	2700	2880	3020	5660	18	1	418
30	190	210	5	170	....	1680	3400	2040	5500	16	1	282
31	160	.....	5	66	....	1420	.....	1520	.....	16	1	.....
Mean	24	188	42	93	361	854	778	8686	4659	1316	8	1327
Max.	190	250	170	210	646	3830	3400	15600	11800	5500	20	7040
Min.	0	121	0	0	13	36	21	1520	743	16	1	1
A. F.	1500	11190	2560	5740	20060	52510	46260	534100	277200	80910	460	78940

Total acre-feet 1111000.

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT GRAND ISLAND
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	25	220	1860	2750	2290	4990	17	0
2	0	0	0	0	138	220	1670	3710	2170	4860	8	42
3	0	0	0	0	217	350	1490	8200	8360	4610	5	803
4	0	0	0	0	395	430	713	12400	7400	4310	4	4030
5	0	0	0	0	713	580	599	13400	2670	4490	6	5050
6	0	0	0	0	528	773	528	13000	1100	3470	49	7960
7	0	0	0	0	307	713	259	11900	395	2960	46	5060
8	0	0	0	0	245	625	275	11700	599	2580	60	2710
9	0	0	0	0	130	683	505	11000	1860	2120	34	1490
10	0	0	0	0	138	625	482	13700	2540	1860	13	897
11	0	0	0	0	259	482	291	14100	2580	1630	4	713
12	0	0	0	0	184	482	323	13500	2130	1320	0	625
13	0	0	0	0	194	528	395	11400	2540	1040	0	625
14	0	0	0	0	713	482	438	9400	2790	743	25	897
15	0	0	0	0	700	460	217	8040	2920	683	49	1100
16	0	0	0	0	720	355	174	8760	2790	897	52	865
17	0	0	0	0	520	323	146	9240	2790	897	65	773
18	0	0	0	0	450	395	122	8600	3180	897	70	653
19	0	0	0	0	660	375	102	7240	3280	773	60	653
20	0	0	0	0	800	375	259	8280	5260	551	52	653
21	0	0	0	0	820	307	438	8600	6440	355	31	683
22	0	0	0	0	820	416	482	8920	5900	245	5	505
23	0	0	0	0	800	482	1930	9160	5680	155	0	355
24	0	0	0	133	300	551	2880	7400	9800	80	0	339
25	0	0	0	174	240	803	1860	6280	13700	46	0	773
26	0	0	0	130	250	3980	1210	4990	12500	52	395	773
27	0	0	0	130	230	2920	1210	4790	10300	56	217	683
28	0	0	0	174	220	2710	773	5020	8600	49	115	599
29	0	0	0	194	.....	2500	551	4550	6680	34	46	713
30	0	0	0	155	.....	2920	1520	3920	5460	28	10	505
31	0	...	0	56	.....	2410	.....	3180	.....	22	1	.....
Mean	0	0	0	37	418	951	790	8617	4823	1511	46	1384
Max.	0	0	0	194	820	3980	2880	14100	13700	4990	395	7960
Min.	0	0	0	0	25	220	102	2750	395	22	0	0
A. F.	0	0	0	2270	23240	58460	47010	529800	287000	92930	2850	82370

Total acre-feet 1126000.

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT DUNCAN
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	22	11	2	100	657	2780	805	3440	8440	27	27
2	4	5	11	1	94	692	1970	2820	3100	7760	70	115
3	7	4	11	1	100	624	1660	5360	2300	7500	56	692
4	4	4	10	0	150	650	1690	9380	6950	7250	44	1010
5	4	3	9	0	199	976	1210	14100	5700	6600	37	1830
6	4	3	9	0	268	1320	925	14400	2730	6700	74	6100
7	4	3	8	0	508	805	835	13400	940	5500	78	7350
8	4	3	6	1	472	611	762	12600	320	4640	104	7250
9	3	3	5	1	450	664	585	11700	350	3580	67	5210
10	2	3	5	2	480	611	496	12400	1360	2730	81	3240
11	2	3	6	7	546	598	598	12900	1560	1970	39	1580
12	2	3	8	7	424	585	624	15400	2300	1720	26	1210
13	2	3	10	10	320	584	472	14900	1800	1340	22	850
14	2	3	14	10	320	533	448	12800	1860	1070	21	678
15	2	3	16	11	292	546	472	10600	1780	734	18	692
16	2	3	18	10	252	448	424	9660	2040	533	15	1050
17	1	3	19	19	200	390	300	9380	1800	559	12	1190
18	1	12	21	33	180	360	236	9110	1640	720	8	976
19	1	24	22	49	150	350	164	8380	2000	1160	6	835
20	1	63	24	47	140	330	144	7970	3050	720	16	762
21	1	51	27	51	130	310	133	8380	4880	533	16	762
22	3	37	30	43	60	320	228	8750	5160	310	10	734
23	3	29	32	150	34	330	236	8590	5210	213	4	624
24	2	21	34	192	33	330	236	8380	5360	178	1	508
25	2	16	30	104	91	598	1760	7100	11300	178	4	559
26	4	14	26	115	324	720	2110	6150	16800	121	27	776
27	3	12	20	98	580	1690	1530	5210	15900	78	14	880
28	4	12	16	100	642	3340	1320	4730	14300	63	206	790
29	4	11	10	110	.....	2870	1080	4450	11800	60	276	700
30	4	11	10	100	.....	2820	850	3820	9940	44	109	610
31	9	...	8	105	.....	3010	.....	3680	.....	34	51	.....
Mean	3	13	16	44	269	925	876	8945	4922	2356	50	1653
Max.	9	63	34	192	642	3340	2780	15400	16800	8440	276	7350
Min.	1	3	5	0	33	310	133	805	320	34	1	27
A. F.	186	768	964	2740	14950	56870	52120	550000	292900	144900	3050	98360

Total acre-feet 1218000.

DISCHARGE IN SECOND-FEET, PLATTE RIVER
AT ASHLAND
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3110	3310	2930	720	4110	3860	5840	4840	5800	16700	1380	2060
2	2600	3340	2450	640	3400	4610	6430	4010	6430	12800	1470	2230
3	2140	3020	2600	550	3500	5570	4400	4960	9490	9810	1470	2420
4	2390	2710	2540	520	4260	6780	5410	7510	7460	9050	2060	14200
5	3050	2800	2480	520	4360	13100	5140	12800	8090	8400	1540	12800
6	4440	2480	2060	530	5140	16500	6430	15700	10600	7380	2060	9810
7	4550	2620	2390	580	4330	11700	4730	18200	6770	7860	2310	10400
8	4920	1930	2510	650	4150	10400	4960	15900	5880	7110	2390	9970
9	4470	2510	2650	740	4780	9000	4990	16400	5960	6560	2800	9970
10	3770	2420	2310	820	3570	7600	4620	15300	5520	5560	2860	7380
11	2930	2370	1550	880	2250	5680	4330	15500	5330	4770	2540	6940
12	2390	2930	1100	920	3600	4990	3970	17800	8540	4290	2830	5290
13	2340	2540	1450	960	3310	5480	3970	21000	7600	3970	2250	5220
14	1880	2570	1550	1000	3110	5290	3800	17000	11100	3400	1980	4650
15	2170	2510	1600	1110	3540	4660	3840	17300	8590	3440	1980	3870
16	2230	2340	2000	1200	3840	4110	3500	14300	7460	2990	1560	4360
17	1750	2340	2930	1370	3540	3970	3270	15100	6770	2830	1900	5330
18	2140	2310	4510	1660	2500	4040	2800	13900	6090	2710	1950	4700
19	1820	4040	4440	2060	2060	4620	2770	13600	6510	2740	2170	4180
20	1800	4510	3970	2190	1630	4580	2310	13600	13600	3370	1780	3570
21	1630	4150	4110	2710	1380	4330	1610	12000	35100	2860	1880	3240
22	2390	3730	4260	4000	1270	3700	2570	12800	31400	2600	1720	3150
23	3210	3050	4220	4380	1270	3210	2800	12300	19900	2450	1430	3440
24	4150	2060	3400	5760	1280	2960	2860	11900	19700	2370	1120	3050
25	3700	1610	3110	7150	1300	4700	3270	11400	15500	2370	1140	3080
26	2600	2710	1210	6510	1650	8680	2770	10600	16400	2340	1300	3180
27	2740	2680	1340	5600	2150	12100	4260	9540	23600	2120	1320	3730
28	2650	3210	1800	5680	2960	9760	4730	8540	22500	1950	1500	3540
29	3210	2390	1160	5600	.....	8040	4770	7380	17400	2370	1300	3400
30	3370	2680	970	5410	.....	7030	5520	6860	21000	1700	2040	3210
31	3500	.....	820	4550	.....	6770	.....	7460	.....	1430	2480	.....
Mean	2905	2796	2465	2483	3009	6704	4089	12440	12540	4848	1887	5469
Max.	4920	4510	4510	7150	5140	16500	6430	21000	35100	16700	2860	14200
Min.	1630	1610	820	520	1270	2960	1610	4010	5330	1430	1120	2060
A. F.	178600	166400	151600	152700	167100	412200	243300	764600	746000	298100	116100	321900

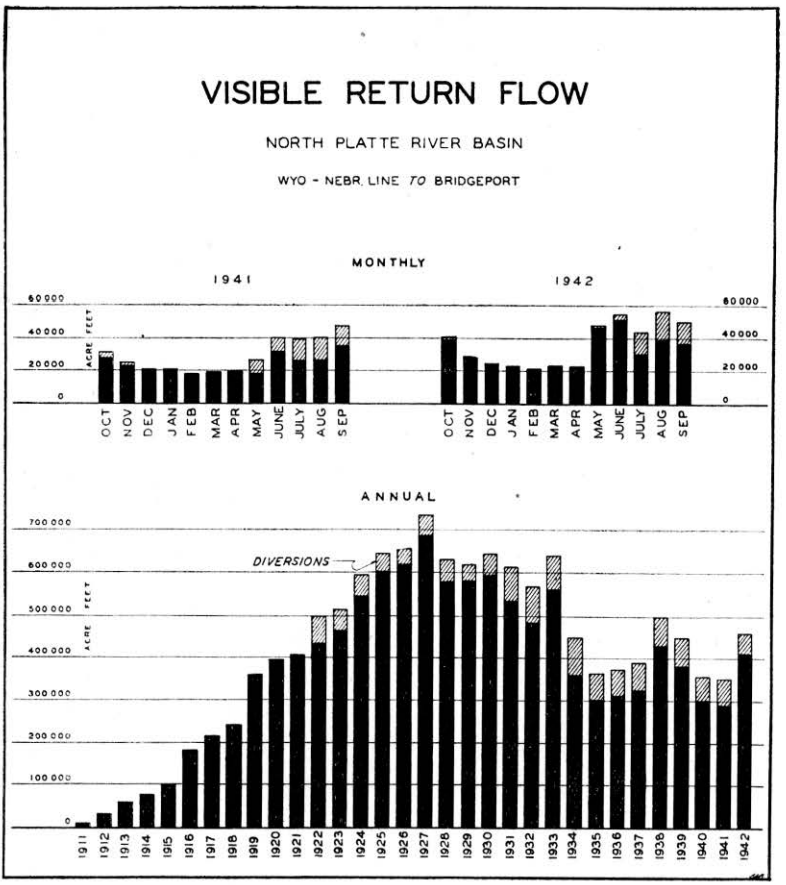
Total acre-feet 3719000.

VISIBLE RETURN FLOW, IN ACRE-FEET
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
For the Year Ending September 30, 1941

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Bald Drain	143	127	119	61	56	99	113	24	99	123	123	192	1279
Bayard Sugar Factory Drain	2500	1760	1350	1410	1320	1430	1380	431	1580	768	1860	2070	17862
Castle Rock Seep	26	16	16	28	26	26	36	24	51	85	91	63	488
Cleveland Drain	220	75	75	61	56	61	103	270	345	610	528	410	2814
DeGraw Drain	61	52	123	101	129	137	145	160	119	123	123	187	1460
Dugout Creek, Upper	25	25	20	20	18	20	15	20	93	65	77	352	750
Fairfield Seep	45	10	0	0	10	20	80	80	120	122	187	176	850
Fanning Seep	170	120	120	160	130	120	120	123	127	123	123	159	1595
Gering Drain	1590	2170	1210	1140	980	1030	1520	1540	2330	2430	2070	2190	20200
Horse Creek	1550	785	963	902	732	505	560	867	4830	3490	2870	3560	21614
Indian Creek	123	119	123	123	111	123	105	63	56	83	172	323	1524
Lane Drain	30	30	25	25	30	35	20	62	108	123	141	119	748
Melbeta Drain	100	200	150	120	100	60	100	80	201	22	72	175	1380
Mitchell Spillway	700	400	300	300	300	460	300	500	320	0	0	240	3760
Nine Mile Drain	5830	4480	4400	4060	3550	3710	3740	4790	6860	6380	7430	8660	63890
Red Willow Drain	4940	3740	3470	2870	2540	2760	2580	2750	3900	4360	3910	5440	43260
Scottsbluff Drain No. 1	500	500	400	320	300	250	300	285	378	412	683	982	5310
Scottsbluff Drain No. 2	400	350	200	150	120	100	150	246	592	590	417	675	3990
Sheep Creek	1880	2240	2290	2730	2550	2810	2640	1080	1840	541	666	1570	22837
Spotted Tail Creek, Dry	700	350	500	800	800	900	750	1105	1430	1120	1210	1270	10935
Spotted Tail Creek, Wet	850	729	800	900	700	650	600	650	750	800	800	900	9120
Toohey Spillway	300	200	250	400	600	550	750	0	0	0	0	0	3050
Tub Springs	2200	1900	1700	1600	1350	1450	1300	1077	2608	1630	718	2777	20310
Winters Creek	3180	2270	2370	2410	2200	2340	2170	1940	2390	2470	2370	3130	29240
Total	28063	22639	20974	20691	18708	19586	19577	18170	31127	26470	26641	35620	288266

VISIBLE RETURN FLOW, IN ACRE-FEET
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
For the Year Ending September 30, 1942

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Bald Drain	280	200	200	200	150	120	100	150	900	450	500	550	3800
Bayard Sugar Factory Drain	2370	1980	1800	1540	1460	1740	1780	3020	2400	1610	2600	2890	25190
Cleveland Drain	190	160	70	105	100	85	85	390	235	305	490	760	2975
DeGraw Drain	410	360	160	240	250	370	200	485	290	75	120	240	3110
Dugout Creek, Upper	270	150	85	80	90	90	145	340	1650	785	1150	1270	6105
Fairfield Seep	90	45	30	25	25	30	20	305	130	100	80	95	975
Fanning Seep	340	200	220	200	180	190	225	605	265	240	270	390	3325
Gering Drain	2040	1520	1210	1120	1020	1220	1430	2610	5080	3050	3090	4490	27880
Horse Creek	3230	1560	1070	944	1230	1340	1790	5810	7940	4150	5030	7960	42054
Indian Creek	415	260	205	140	120	140	205	405	890	880	800	845	5305
Lane Drain	175	135	130	125	60	60	60	65	200	200	210	250	1670
Melbeta Drain	140	120	100	100	100	95	145	222	311	377	19	303	2032
Mitchell Spillway	200	400	150	100	180	250	200	1300	1000	0	0	800	4580
Nine Mile Drain	7360	5280	5240	4930	4450	4690	4600	6950	7160	7560	10450	11030	79700
Red Willow Drain	5500	4930	4200	3960	3150	3380	3240	10090	10460	4760	4910	7500	66080
Scottsbluff Drain No. 1	680	520	340	170	280	360	490	520	390	350	655	975	5730
Scottsbluff Drain No. 2	1500	500	130	130	100	110	210	505	380	340	550	590	5045
Sheep Creek	4070	3740	3160	3160	2820	3090	3230	4040	3490	757	586	2910	35053
Spotted Tail Creek, Dry	1540	1030	810	880	1160	1310	1130	2570	1940	2070	2550	3010	20000
Spotted Tail Creek, Wet	795	855	625	510	545	550	590	845	590	———	920	785	7610
Tub Springs	4110	2000	1620	1710	1450	1570	1340	2250	2870	455	1170	3210	23785
Winters Creek	3750	3210	2910	2890	2650	2750	2540	3310	3330	1950	2900	5780	37970
Total	39485	29155	24465	23259	21570	23540	23755	46787	51811	30464	39050	56633	409974


VISIBLE RETURN FLOW
NORTH PLATTE RIVER BASIN
WYO - NEBR. LINE TO BRIDGEPORT
MONTHLY
1941
1942
60 000
40 000
20 000
0
ACRE FEET
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUNE
JULY
AUG
SEP
ANNUAL
700 000
600 000
500 000
400 000
300 000
200 000
100 000
DIVERSIONS
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942

VISIBLE RETURN FLOW, IN ACRE-FEET, BETWEEN BRIDGEPORT AND NORTH PLATTE

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
For the Year Ending September 30, 1941													
Keith-Lincoln Co. Drain*	20	20	15	10	10	20	15	10	0	0	0	0	120
Lewellen Drain*	60	60	40	30	20	20	30	30	50	20	10	10	380
Lincoln Co. Drain No. 1	3130	2480	2140	2000	1880	2060	1900	2110	3080	2170	2440	2960	27990
Lincoln Co. Drain No. 2	130	150	120	100	90	120	130	160	176	140	128	176	1620
Plum Creek*	0	0	0	0	0	0	0	24	0	0	0	0	24
Sarben Slough	120	120	100	150	150	120	100	255	177	153	135	165	1745
Silvernail Drain	200	150	150	140	100	150	180	153	464	387	272	402	2748
Scout Creek	300	60	30	20	15	15	20	150	380	130	120	140	1380
Total	3960	3040	2595	2450	2265	2445	2075	2892	4327	3000	3105	3853	36007
For the Year Ending September 30, 1942													
Keith-Lincoln Co. Drain*	30	30	15	10	10	25	20	15	10	0	0	0	165
Lewellen Drain*	80	80	60	40	30	30	40	60	40	15	10	10	495
Lincoln Co. Drain No. 1	3770	2950	2560	2420	2160	2460	3290	4180	4230	4550	6170	7010	45750
Lincoln Co. Drain No. 2	175	175	140	120	130	170	250	410	250	245	265	400	2730
Plum Creek	0	0	0	0	0	0	0	0	0	0	0	0	0
Sarben Slough	225	240	180	145	135	265	240	295	190	65	0	305	2285
Silvernail Drain	330	260	245	205	220	205	270	375	1280	490	740	630	5250
Scout Creek*	100	60	60	30	20	15	15	100	300	200	100	100	1100
Total	4710	3795	3260	2970	2705	3170	4125	5435	6300	5565	7285	8455	57775

*Estimated.

SUMMARY OF VISIBLE RETURN FLOW, IN ACRE-FEET BETWEEN WYOMING-NEBRASKA LINE AND NORTH PLATTE

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
For the Year Ending September 30, 1941													
Wyoming-Nebraska Line to Bridgeport	28063	22639	20974	20691	18708	19586	19577	18170	31127	26470	26641	35628	211266
Bridgeport to North Platte	3960	3040	2595	2450	2265	2445	2075	2892	4327	3000	3105	3853	36007
Total	32023	25679	23569	23141	20973	22031	21652	21062	35454	29470	29746	39473	324273
For the Year Ending September 30, 1942													
Wyoming-Nebraska Line to Bridgeport	39485	29155	24465	23259	21570	23540	23755	46787	51811	30464	39050	56633	409974
Bridgeport to North Platte	4710	3795	3260	2970	2705	3170	4125	5435	6300	5565	7285	8455	57775
Total	44195	32950	27725	26229	24275	26710	27880	52222	58111	36029	46335	65088	467749

DIVERSIONS IN ACRE-FEET FROM RETURN FLOW BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT

For the Year Ending September 30, 1941

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Tri-State Canal from:—								
Akers Draw	553	178	440	528	530	589	569	3387
Sheep Creek	2069	1095	1722	1892	3152	3471	2862	16263
Dry Spotted Tail Creek	653	198	0	0	514	1073	1018	3456
Wet Spotted Tail Creek	377	258	357	190	210	541	1224	3157
Tub Springs	149	278	0	184	1507	1632	1535	5285
Alliance Drain	0	0	0	0	0	0	0	0
Lateral from Alliance Drain	0	0	69	202	290	367	305	1233
Moffat Drain	0	0	0	0	0	0	0	0
Enterprise Canal from:—								
Stewart and Morrill Drains	0	0	0	30	123	123	178	454
Dry Spotted Tail Creek	0	0	0	0	0	0	0	0
Wet Spotted Tail Creek	0	0	214	298	494	573	508	2087
Tub Springs	0	0	649	416	540	856	222	2683
Winters Creek	0	0	155	216	300	298	163	1132
Winters Creek Canal from:—								
Winters Creek	0	0	1661	2103	3126	3347	2411	12648
Minatare Drain	0	0	18	20	0	245	182	465
Scottsbluff Drain No. 1	0	0	0	0	0	120	0	120
Gatch Canal from Melbeta Drain	*	*	0	0	0	0	0	0
Gering Canal from Melbeta Drain	*	*	*	*	*	*	*	*
Nine Mile Canal from Nine Mile Drain	0	0	0	0	0	0	0	0
Alliance Canal from:—								
Bayard Drain	0	0	1440	1910	1570	395	288	5603
Red Willow Creek	252	0	1350	807	1110	2025	1346	6890
Camp Clark Seep	*	*	*	*	*	*	*	*
Total	4053	2007	8075	8796	13466	15655	12811	64863

*No record.

DIVERSIONS IN ACRE-FEET FROM RETURN FLOW BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT

For the Year Ending September 30, 1942

	Oct.	May	June	July	Aug.	Sept.	Total
Tri-State Canal from:—							
Akers Draw	0	385	500	540	670	720	2815
Sheep Creek	0	0	0	3040	4465	3240	10745
Dry Spotted Tail Creek	0	0	0	0	0	0	0
Wet Spotted Tail Creek	0	580	580	740	1030	1780	4710
Tub Springs	0	0	0	1550	2215	2280	6045
Alliance Drain	0	0	0	0	0	0	0
Moffat Drain	0	0	0	0	0	0	0
Enterprise Canal from:—							
Stewart and Morrill Drains	115	0	0	50	177	269	610
Dry Spotted Tail Creek	0	0	0	0	0	0	0
Wet Spotted Tail Creek	340	340	330	620	815	685	3130
Tub Springs	145	4	60	875	800	0	1884
Winters Creek	140	18	325	215	395	260	1353
Winters Creek Canal from Winters Creek	990	52	1365	3300	3830	2230	11767
Nine Mile Canal from Nine Mile Drain	0	0	0	0	0	0	0
Alliance Canal from:—							
Bayard Drain	0	0	0	885	180	65	1130
Red Willow Creek	0	60	380	1440	2500	1220	5600
Camp Clark Seep	0	0	0	0	0	0	0
Total	1730	1439	3540	13255	17077	12748	49789

SUMMARY OF NET MONTHLY DIVERSIONS FOR IRRIGATION, IN ACRE-FEET, BY SECTIONS, BETWEEN GUERNSEY, WYOMING, AND ODESSA, NEBRASKA

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
For the Year Ending September 30, 1941													
Guernsey-Whalen	.....	.....	.....	.....	.....	.....	24907	100740	104182	136974	164147	108010	638960
Whalen-State Line	4660	3580	.....	.....	.....	.....	2880	18431	16945	21296	24114	14359	106265
State Line-Mitchell	13865	7819	.....	.....	.....	.....	3429	40932	41178	70461	79019	60274	316977
Mitchell-Minatare	1411	313	.....	.....	.....	178	0	8838	7101	14127	14148	9113	55229
Minatare-Bridgeport	3551	.....	.....	.....	.....	.....	575	11378	12664	16771	13720	11506	70165
Bridgeport-Lisco	3538	97	.....	.....	.....	409	524	2493	4847	5659	6327	4741	28635
Lisco-Oshkosh	938	266	.....	.....	.....	.....	.....	77	123	439	317	541	2701
Oshkosh-Keystone	7308	2556	28	.....	.....	.....	299	4346	2649	3678	4547	4200	29611
Keystone-North Platte	11323	2845	.....	.....	.....	.....	.....	8246	19495	15736	24233	18368	100246
North Platte-Odessa	40022	22380	3368	.....	.....	309	1656	36669	40791	47838	36784	28389	258206
Total	86616	39856	3396	.....	.....	896	34270	232150	249975	332979	367356	259501	1606995
Total State Line-Odessa	81956	36276	3396	.....	.....	896	6483	112979	128848	174709	179095	137132	861770
For the Year Ending September 30, 1942													
Guernsey-Whalen	.....	.....	.....	.....	.....	.....	43360	46390	79280	187190	205750	138690	700660
Whalen-State Line	1123	1210	.....	.....	.....	.....	.....	960	9923	24621	27008	13566	78411
State Line-Mitchell	2538	.....	.....	.....	.....	.....	.....	14292	53335	79948	79254	51663	281030
Mitchell-Minatare	2360	.....	.....	.....	.....	.....	.....	183	4435	12910	13835	8270	41993
Minatare-Bridgeport	1415	.....	.....	.....	.....	.....	.....	60	4457	15015	15769	10410	47126
Bridgeport-Lisco	2250	285	.....	.....	.....	.....	628	424	1947	6410	5292	4527	21763
Lisco-Oshkosh	.....	.....	.....	.....	.....	.....	.....	40	0	140	748	603	1531
Oshkosh-Keystone	730	.....	.....	.....	.....	.....	.....	0	304	4637	6548	5085	17304
Keystone-North Platte	4069	380	.....	.....	.....	.....	.....	1391	7350	21203	27495	3198	65086
North Platte-Odessa	17750	7100	655	2810	10630	21020	57503	21970	14945	67716	115833	18286	.....
Total	32235	8975	655	2810	10630	21020	101491	85710	175976	419790	497532	254298	1611122
Total State Line-Odessa	31112	7765	655	2810	10630	21020	58131	38360	86773	207979	264774	102042	832051

ANALYSIS OF WATER DIVERTED BY PROJECTS IN THE PLATTE AND NORTH PLATTE BASINS HAVING STORAGE RIGHTS FROM THE PATHFINDER AND GUERNSEY RESERVOIRS

Measured near Point of Diversion from Stream in Acre-feet

Project	1941 Natural	1941 Storage	1941 Total	1942 Natural	1942 Storage	1942 Total
Northport	20620	29072	49692	*40695	17280	57975
Tri-State	161807	9472	171279	140150	33580	173730
Gering	24641	12780	37421	9760	15870	25630
Beerline	0	0	0	0	0	0
Browns Creek	0	0	0	0	0	0
Chimney Rock	0	0	0	0	0	0
Central	0	0	0	0	0	0
Total	207068	51324	258392	190605	66730	257335

*Including government-owned return flow from drains.

MONTHLY EVAPORATION IN FEET

PATHFINDER RESERVOIR, WYOMING

	May	June	July	Aug.	Sept.
1941					
Total	0.642	0.742	0.780	0.688	0.540
Mean	.0207	.0248	.0252	.0222	.0018
1942					
Total	0.418	0.674	0.895	0.848	0.565
Mean	.0013	.0244	.0288	.0274	.0019

Note:—U. S. W. B. Class "A" pan (10 inches x 4 feet circular). Coefficient of reduction 70 per cent.

WHALEN DAM, WYOMING

	May	June	July	Aug.	Sept.
1941					
Total	0.666	0.616	0.681	0.732	0.482
Mean	.0212	.0206	.0220	.0236	.0016
1942					
Total	0.491	0.581	0.781	0.676	0.396
Mean	----	.0194	.0252	.0214	.0013

Note:—U. S. W. B. Class "A" pan (10 inches x 4 feet circular). Coefficient of reduction 70 per cent.

BUREAU OF IRRIGATION
DAILY EVAPORATION IN INCHES
MITCHELL EXPERIMENTAL FARM—1941

Day	Apr.	May	June	July	Aug.	Sept.
1	.....	0.190	0.200	0.210	0.210	0.220
2	0.050	.130	.210	.180	.310	.200
3	.040	.110	.200	.190	.320	.250
4	.020	.170	.230	.190	.270	.210
5	.090	.160	.250	.210	.280	.200
6	.090	.270	.050	.210	.320	.230
7	.030	.200	.300	.300	.280	.210
8	.010	.225	.070	.400	.150	.180
9	.050	.140	.050	.260	.300	.090
10	.100	.170	.000	.340	.280	.080
11	.120	.120	.100	.250	.270	.230
12	.120	.200	.200	.200	.220	.200
13	.070	.225	.250	.150	.270	.180
14	.160	.375	.190	.100	.200	.180
15	.100	.325	.300	.150	.200	.130
16	.160	.170	.200	.210	.250	.150
17	.130	.220	.200	.300	.160	.160
18	.100	.280	.290	.340	.200	.150
19	.000	.250	.300	.280	.080	.200
20	.000	.100	.290	.290	.150	.200
21	.000	.100	.260	.260	.140	.150
22	.100	.180	.270	.300	.150	.130
23	.160	.220	.250	.370	.140	.050
24	.160	.190	.230	.410	.160	.050
25	.130	.200	.320	.300	.140	.080
26	.200	.210	.230	.260	.140	.100
27	.170	.200	.300	.250	.100	.190
28	.060	.210	.220	.240	.160	.160
29	.050	.250	.200	.300	.220	.090
30	.030	.220	.200	.240	.230	.100
31	.....	.150	.....	.290	.200	.....
Total	*2.586	6.160	6.360	7.980	6.500	4.750
Mean	0.086	0.199	0.212	0.258	0.210	0.158
Max.	.200	.375	.320	.410	.320	.250
Min.	.000	.100	.000	.100	.100	.050

Note:—Records from United States Bureau of Plant Industry, pan 6 feet in diameter, 24 inches deep, set in ground 20 inches.
Coefficient of reduction 94 per cent. *Adjusted to 30 days.

MITCHELL EXPERIMENTAL FARM—1942

Day	Apr.	May	June	July	Aug.	Sept.
1	.....	0.150	0.150	0.130	0.270	0.110
2	.....	.100	.150	.180	.290	.150
3	.....	.120	.150	.200	.250	.200
4	.....	.140	.200	.250	.260	.200
5	.....	.170	.200	.250	.250	.200
6	.....	.020	.200	.300	.250	.150
7	.....	.030	.250	.250	.230	.100
8	.....	.070	.150	.290	.230	.200
9	.....	.060	.120	.250	.240	.160
10	.....	.080	.200	.250	.290	.210
11	.....	.080	.250	.380	.250	.200
12	.....	.100	.150	.300	.230	.140
13	.....	.100	.150	.400	.190	.130
14	.....	.080	.140	.360	.140	.120
15	.....	.060	.080	.280	.160	.140
16	0.200	.060	.210	.300	.220	.150
17	.150	.150	.200	.290	.150	.180
18	.150	.170	.250	.340	.240	.100
19	.150	.180	.200	.330	.160	.080
20	.050	.100	.130	.220	.240	.100
21	.050	.150	.200	.200	.250	.115
22	.100	.250	.130	.250	.250	.165
23	.100	.200	.030	.250	.200	.150
24	.025	.200	.100	.300	.200	.105
25	.030	.250	.160	.200	.200	.050
26	.050	.150	.100	.280	.210	*
27	.050	.150	.300	.270	.230	.045
28	.100	.200	.150	.180	.250	.170
29	.200	.250	.250	.150	.270	.120
30	.200	.130	.200	.180	.180	.140
31	.....	.200	.....	.230	.240	.....
Total	†3.110	4.150	5.150	8.040	7.020	4.080
Mean	0.104	0.134	0.172	0.260	0.226	0.136
Max.	.200	.250	.250	.400	.290	.210
Min.	.025	.020	.030	.130	.140	.022

Note:—Records from United States Bureau of Plant Industry, pan 6 feet in diameter, 24 inches deep, set in ground 20 inches.
Coefficient of reduction 94 per cent.

DAILY EVAPORATION IN INCHES—Continued

BRIDGEPORT STATION—1941

Day	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0.127	0.219	0.220	0.180	0.483	0.174	*
2	.040	.085	.153	.234	.261	.220	0.224
3	.023	.152	.245	.138	.377	.184	.103
4	.036	.156	.132	.246	.365	.376	.063
5	.121	.242	.101	.204	.437	.174	.024
6	.158	.274	.213	.220	.350	.229	.037
7	.077	.245	.079	.237	.207	.216	.078
8	.077	.192	.033	.312	.184	.098	.111
9	.117	.230	.147	.252	.250	.101	.139
10	.148	.174	.084	.305	.350	.116	.138
11	.121	.161	.160	.263	.159	.257	.123
12	.093	.221	.221	.127	.247	.258	.129
13	.191	.319	.227	.041	.283	.088	.145
14	.130	.323	.182	.149	.264	.214	.040
15	.050	.247	.209	.173	.234	.151	.007
16	.141	.156	.197	.245	.141	.177	.250
17	.185	.208	.215	.272	.200	.197	.137
18	.036	.300	.344	.210	.049	.279	.101
19	.053	.164	.341	.290	.174	.112	.088
20	.106	.089	.263	.271	.181	.252	.054
21	.145	.173	.263	.294	.168	.130	.014
22	.156	.168	.294	.268	.212	.070	.063
23	.....	.252	.304	.403	.213	*	.097
24	.....	.291	.291	.389	.369	*	.005
25	.....	.284	.315	.348	.....	*	.015
26	.....	.119	.270	.230	.102	*	.019
27	.044	.224	.334	.283	.146	*	.055
28	.067	.209	.285	.243	.161	.588	.013
29	.062	.152	.310	.294	.172	.101	.056
30	.137	.197	.293	.252	.292	.022	.043
31	.....	.196	.....	.....	.215	.....	.057
Total	†2.964	6.432	6.725	†7.619	†7.488	4.784	2.418
Mean	0.099	0.207	0.224	0.246	0.242	0.160	0.078
Max.	.185	.333	.344	.389	.483	.376	.250
Min.	.023	.085	.079	.041	.049	.022	.005

Note:—U. S. W. B. Class "A" pan (10 inches x 4 feet circular). Coefficient of reduction 70 per cent.
*Included in following measurement. †Adjusted to 30 days.

BRIDGEPORT STATION—1942

Day	Apr.	May	June	July	Aug.	Sept.	Oct.
1	.....	0.522	0.264	0.196	0.247	0.186	0.077
2	0.238	*	.212	.226	.237	.039	.158
3	.230	.186	.144	.207	.245	.135	.215
4	.175	.416	.126	.266	.617	.173	.127
5	.248	.009	.313	.243	.238	.150	.111
6	.268	.104	.210	.286	.133	*	.104
7	.204	.175	.294	.273	.196	.339	.188
8	.062	.212	.099	.279	.227	.203	.275
9	.210	.443	.200	.274	.211	.193	.076
10	.153	.073	.246	.270	.285	.249	.277
11	.115	.330	.277	.389	.196	.205	.084
12	.210	*	.287	.324	.307	.011	.122
13	.147	*	.052	.280	.120	.100	.091
14	.240	*	.237	.280	.129	.161	*
15	.264	*	.136	.317	.124	.201	*
16	.285	*	.264	.301	.153	.240	*
17	.240	*	.242	.244	.171	.137	*
18	.204	*	.233	.262	.211	.048	*
19	.085	*	.137	.261	.190	.052	*
20	.020	*	.273	.293	.193	.099	*
21	.079	2.415	.159	.286	.156	.110	.565
22	.192	.248	.053	.122	.234	.146	*
23	.225	.261	.069	.226	.035	.160	.145
24	.089	.370	.054	.338	.262	.096	.074
25	.027	.248	.237	.198	.243	.096	.082
26	.173	.322	.146	.239	.185	.095	.040
27	.266	.348	.297	.275	.233	.094	.038
28	.130	.342	.250	.212	.261	.120	.053
29	*	.162	.273	.165	.246	.127	.041
30	.129	.164	.270	.188	.275	.136	.068
31	.....	.....	.....	.208	.160	.....	.075
Total	†5.388	7.360	6.054	7.928	6.720	4.101	3.086
Mean	0.180	0.238	0.202	0.256	0.217	0.137	0.100
Max.	.285	.522	.313	.389	.617	.249	.277
Min.	.020	.009	.052	.122	.120	.011	.038

Note:—U. S. W. B. Class "A" pan (10 inches x 4 feet circular). Coefficient of reduction 70 per cent.
*Included in following measurement. †Adjusted to 30 days.

DAILY EVAPORATION IN INCHES—Continued

KEYSTONE DAM—1941

Day	May	June	July	Aug.	Sept.	Oct.
1	0.299	0.190	0.178	0.279	0.336	0.159
2	.125	.224	.109	.397	.193	.082
3	.059	.211	.109	.373	.207	.090
4	.120	.301	.326	.457	.361	.008
5	.174	.389	.306	.451	.228	.051
6	.284	.472	.260	.438	.145	.054
7	.299	.149	.318	.358	.356	.102
8	.266	.085	.329	.253	.316	.101
9	.268	.075	.306	.309	.101	.091
10	.147	.094	.313	.365	.150	.155
11	.245	.229	.374	.359	.355	.157
12	.322	.198	.208	.285	.215	.152
13	.309	.225	.045	.346	.435	.098
14	.431	.194	.096	.276	.122	.066
15	.299	.276	.237	.255	.271	.057
16	.558	.304	.309	.248	.157	.162
17	.311	.315	.294	.222	.211	.166
18	.500	.432	.340	.120	.248	.105
19	.256	.437	.357	.134	.274	.104
20	.195	.283	.388	.382	.295	.053
21	.205	.299	.359	.604	.150	.020
22	.212	.309	.240	.232	.068	.006
23	.302	.334	.543	.156	.013	.133
24	.322	.447	.388	.192	.088	.047
25	.290	.474	.399	.338	.077	.044
26	.295	.215	.201	.418	.134	.004
27	.225	.363	.218	.071	.075	.173
28	.292	.470	.213	.171	.095	.032
29	.288	.436	.366	.222	.160	.....
30	.295	.309	.290	.284	.199	.....
31	.188	.....	.288	.214	.....	.....
Total	8.390	8.739	8.707	9.209	6.009	*2.719
Mean	0.271	0.291	0.281	0.297	0.200	0.088
Max.	.558	.474	.399	.604	.435	.173
Min.	.059	.075	.045	.071	.013	.008

Note:—U. S. W. B. Class "A" pan (10 inches x 4 feet circular). Coefficient of reduction 70 per cent.
*Adjusted to 31 days.

KEYSTONE DAM—1942

Day	May	June	July	Aug.	Sept.
1	.....	0.159	0.248	0.452	0.327
2	.....	.259	.312	.128	.....
3	0.063	.351	.218	.318	.161
4	.271	.297	*	.042	.299
5	.118	.238	*	.324	.326
6	.147	.333	.620	.151	*
7	.223	.204	.148	.201	.415
8	.258	.144	.126	.269	.216
9	.227	.186	.224	.341	.203
10	.108	.286	.449	.434	.230
11	.210	.242	.407	.347	.283
12	.157	.180	.306	.446	.028
13	.211	.152	.344	.049	.088
14	.106	.254	.420	.231	.177
15	.288	.132	.169	.189	.036
16	.211	.275	.323	.168	.207
17	.201	*	.436	.317	.269
18	.182	.571	.497	.083	.068
19	.076	.197	.528	.284	.096
20	.156	.159	.331	.431	.159
21	.186	.114	.244	.124	.209
22	.219	.073	.415	.205	.067
23	.147	.009	.262	.336	.062
24	.....	.111	.249	.111	.258
25	.....	.230	.116	.266	.058
26	.....	.128	.438	.209	.140
27	.....	.194	.342	.309	.114
28	.....	.334	.431	.200	.153
29	.248	.294	.448	.359	.115
30	*	.232	.270	.139	.126
31	.299	.....	.357	.290	.....
Total	†5.570	6.338	9.678	7.753	†4.939
Mean	0.180	0.211	0.312	0.251	0.165
Max.	.299	.351	.528	.452	.327
Min.	.063	.009	.116	.042	.028

Note:—U. S. W. B. Class "A" pan (10 inches x 4 feet circular). Coefficient of reduction 70 per cent.
*Included in following measurements. †Adjusted to full month.

DAILY EVAPORATION IN INCHES—Continued

NORTH PLATTE STATION—1941

Day	Apr.	May	June	July	Aug.	Sept.
1	____	0.147	0.198	0.389	0.289	0.246
2	0.266	.111	.100	.205	.362	.206
3	.188	.102	.178	.219	.307	.149
4	.041	.146	.217	.199	.310	.296
5	.053	.131	.233	.237	.290	.303
6	.017	.169	.202	.222	.337	.237
7	.279	.273	.217	.193	.319	.198
8	.131	.244	.161	.289	.243	.280
9	.087	.227	.046	.251	.242	.181
10	.156	.081	.170	.283	.268	.210
11	.167	.059	.128	.350	.370	.189
12	.100	.157	.155	.526	.291	.384
13	.279	.253	.161	.144	.334	.127
14	.084	.209	.130	.049	.250	.154
15	.269	.299	.086	.211	.280	.214
16	.077	.340	.180	.138	.190	.139
17	.106	.174	.270	.249	.235	.278
18	.228	.270	.249	.263	.207	.228
19	.186	.410	.298	.339	.111	.270
20	____	.134	.330	.510	.172	.280
21	____	.105	.296	.110	.149	.302
22	.010	.166	____	.250	.228	.570
23	.012	.286	.153	.294	.224	.072
24	.013	.231	.217	.387	.199	.066
25	.182	.250	.393	.335	.246	.215
26	.176	.222	.291	.065	.345	.103
27	.193	.042	.209	.232	.124	.151
28	.159	.260	.382	.386	.195	.161
29	.095	.214	.292	.160	.132	.097
30	.034	.413	.245	.286	.269	.054
31	____	.298	____	.246	.288	____
Total	*3.979	6.423	*6.408	8.017	7.806	6.360
Mean	0.133	0.207	0.214	0.259	0.252	0.212
Max.	.279	.413	.393	.389	.370	.384
Min.	.010	.042	.046	.049	.111	.054

Note:—Records from U. S. Bureau of Plant Industry, pan 6 feet in diameter, 24 inches deep, set in ground 20 inches.
Coefficient of reduction 94 per cent. *Adjusted to 30 days.

NORTH PLATTE STATION—1942

Day	Apr.	May	June	July	Aug.	Sept.
1	____	____	0.146	0.235	0.236	0.102
2	0.087	0.126	.185	.188	.352	____
3	.152	.177	.211	.247	.250	.117
4	.150	.125	.308	.237	.107	.160
5	.254	.210	.338	.240	.190	.046
6	.053	.135	.230	.287	.247	.005
7	.191	.136	.226	.080	____	.020
8	.143	.260	.270	.221	.187	.219
9	.140	.164	.174	.224	.180	.172
10	.140	.223	____	.224	.193	.224
11	.100	.024	____	.291	.248	.255
12	.197	.189	.282	.320	.336	.251
13	.148	.254	.191	.189	.272	.110
14	.111	.172	.213	.346	.163	.143
15	.140	.181	.208	.309	.147	.115
16	.229	.266	.231	.367	.186	.145
17	.233	.199	.125	.277	.101	.233
18	.274	.249	.138	.404	.287	.119
19	.132	.123	.167	.321	.227	.200
20	____	.060	____	.130	.222	.137
21	.041	.175	.215	.258	.258	.152
22	.050	.239	____	.241	.257	.187
23	.086	.119	.051	.313	.300	.234
24	.050	.187	____	.267	.228	.117
25	.072	.244	.063	.229	.202	.067
26	.042	.224	.158	.174	.065	.116
27	.121	.239	.004	.393	.239	.103
28	.139	.350	____	.203	.145	.119
29	.141	.225	.311	.223	.281	.134
30	.152	.317	.294	.165	.340	.090
31	____	.262	____	.251	.324	____
Total	*3.928	*6.049	*5.924	7.854	*6.996	*4.233
Mean	0.131	0.195	0.198	0.253	0.226	0.141
Max.	.274	.350	.338	.404	.352	.255
Min.	.041	.060	.004	.080	.065	.020

Note:—Records from U. S. Bureau of Plant Industry, pan 6 feet in diameter, 24 inches deep, set in ground 20 inches.

DAILY EVAPORATION IN INCHES—Concluded

BOX BUTTE EXPERIMENTAL FARM—1941

Day	May	June	July	Aug.
1	0.024	0.038	0.255	0.407
2	.182	.171	.201	.232
3	.....	.192	.190	.365
4	.117	.191	.183	.344
5	.181	.107	.276	.407
6	.192	.446	.191	*
7	.294	.114	.113	.664
8	.292	.....	.....	.359
9	.140	.036	.....	.291
10	.263	.....	.324	.396
11	.051	.104	.346	.352
12	.179	.119	.128	.380
13	.197	.120	.007	.310
14	*	.154	.174	.382
15	*	.108	.213	.406
16	*	.140	.097	.184
17	.984	.218	.122	.222
18	.219	.172	.286	.463
19	.382	.234	.269	.104
20	.045	.263	.336	.294
21	.157	.541	.295	*
22	.180	.174	.554	.087
23	.257	.171	.298	.280
24	.279	.168	.253	.184
25	.261	.387	.424	.220
26	.232	.127	.279	.144
27	*	.249	.150	.163
28	.330	.....	.280	.070
29	.074	.320	.525	.247
30	.186	.249	.144	.094
31	.309	.....	.136	.424
Total	†6.207	†5.903	†7.535	8.475
Mean	0.200	0.197	0.243	0.274
Max.	.382	.541	.554	.463
Min.	.024	.036	.007	.087

Note:—Records from U. S. Bureau of Plant Industry, pan 6 feet in diameter, 24 inches deep, set in ground 20 inches.
Coefficient of reduction 94 per cent.
*Included in following measurement. †Adjusted to full month.

BOX BUTTE EXPERIMENTAL FARM—1942

Day	May	June	July	Aug.	Sept.
1	.....	0.164	0.175	0.164	0.230
2	0.192	.154	.194	.277	.174
3	.018	.199	.273	.297	.152
4	.055	.159	.194	.229	.261
5	.....	.164	.182	.291	.236
6	.....	.140	.322	.170	.202
7	.....	.223	.131	.208	.145
8	.....	.154	.227	.268	.262
9	.....	.143	.184	.270	.177
10	.....	.188	.261	.414	.199
11	.....	.145	.171	*	.218
12	.....	.268	.231	.569	.109
13	.....	.115	.293	.248	.168
14	.....	.084	.161	.242	.263
15	.077	.092	.308	.271	.288
16	.184	.197	.306	.277	.281
17	.119	.110	.384	.187	.305
18	.139	.133	.296	.241	.066
19	.129	.163	.482	.267	.118
20	.050	.223	.222	.290	.112
21	.248	.081	.254	.343	.172
22	.211	.117	.256	.396	.156
23	.215	.082	.326	.229	.177
24	*	.029	.387	.381	.199
25	.429	.129	.265	.259	.025
26	.179	.098	.250	.145	*
27	.264	.226	.458	.410	.232
28	.372	.191	.269	.280	.128
29	.336	.242	.244	.353	.030
30	.126	.252	.261	.252	.189
31	.074	.....	.306	.172	.....
Total	†5.296	4.665	8.273	8.400	5.224
Mean	0.171	0.156	0.267	0.271	0.174
Max.	.372	.268	.482	.414	.305
Min.	.018	.029	.161	.145	.025

Note:—Records from U. S. Bureau of Plant Industry, pan 6 feet in diameter, 24 inches deep, set in ground 20 inches.

PRECIPITATION AT VARIOUS POINTS
Data Compiled by Water Years from Records of the United States Weather Bureau
Measurements Taken in Inches

Month	Normal		1941		1942	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
*MITCHELL STATION, SCOTTS BLUFF COUNTY—ELEVATION, 4080						
October	1.05	1.05	1.09	1.09	0.45	0.45
November	.36	1.41	.30	1.39	.35	.80
December	.44	1.85	.25	1.64	.65	1.45
January	.17	2.02	.24	1.88	.42	1.87
February	.31	2.33	.21	2.09	.52	2.39
March	.56	2.89	1.08	3.17	.70	3.09
April	1.55	4.44	2.30	5.47	4.00	7.09
May	2.63	7.07	.90	6.37	4.35	11.44
June	2.47	9.54	4.25	10.62	2.60	14.04
July	1.78	11.32	1.14	11.76	1.13	15.17
August	2.02	13.34	2.63	14.39	.40	15.57
September	1.64	14.98	1.28	15.67	1.46	17.03
*BRIDGEPORT STATION, MORRILL COUNTY—ELEVATION, 3666						
October	1.09	1.09	1.37	1.37	0.77	0.77
November	.43	1.52	.24	1.61	.21	.98
December	.59	2.11	.51	2.12	.34	1.32
January	.39	2.50	.51	2.63	.17	1.49
February	.48	2.98	.39	3.02	.49	1.98
March	.82	3.80	1.21	4.23	.59	2.57
April	2.12	5.92	2.09	6.32	3.28	5.85
May	2.82	8.74	1.34	7.66	7.03	12.88
June	2.51	11.25	4.53	12.19	2.89	15.77
July	1.98	13.23	2.53	14.72	1.89	17.66
August	1.71	14.94	1.83	16.55	2.54	20.20
September	1.36	16.30	1.93	18.48	1.29	21.49
*OSHKOSH STATION, GARDEN COUNTY—ELEVATION, 3393						
October	1.20	1.20	1.04	1.04	2.33	2.33
November	.62	1.82	.49	1.53	.28	2.61
December	.56	2.38	1.12	2.65	.85	3.46
January	.34	2.72	.45	3.10	.08	3.54
February	.60	3.32	.44	3.54	.69	4.23
March	.97	4.29	1.47	5.01	.27	4.50
April	2.22	6.51	3.22	8.23	4.02	8.52
May	2.79	9.30	2.27	10.50	6.14	14.66
June	2.67	11.97	4.40	14.90	2.90	17.56
July	2.79	14.76	1.72	16.62	1.50	19.06
August	2.35	17.11	1.84	18.46	0.79	19.85
September	1.46	18.57	4.15	22.61	1.55	21.40
*NORTH PLATTE STATION, LINCOLN COUNTY—ELEVATION, 2805						
October	1.07	1.07	1.56	1.56	1.07	1.07
November	.47	1.54	.45	2.01	.23	1.30
December	.53	2.07	.68	2.69	.42	1.72
January	.39	2.46	.30	2.99	.25	1.97
February	.55	2.99	.36	3.35	1.32	3.29
March	.86	3.85	.65	4.00	1.41	4.70
April	2.06	5.91	3.64	7.64	6.83	11.53
May	2.78	8.69	1.55	9.19	3.70	15.23
June	3.22	11.91	2.30	11.49	5.06	20.29
July	2.74	14.65	5.35	16.84	1.82	22.11
August	2.39	17.04	.81	17.65	1.40	23.51
September	1.35	18.39	3.31	20.96	7.54	31.05

*28-year record.

*44-year record.

*28-year record.

*67-year record.

PRECIPITATION AT VARIOUS POINTS—Continued

Month	Normal		1941		1942	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
*LEXINGTON STATION, DAWSON COUNTY—ELEVATION, 2385						
October	1.74	1.74	0.83	0.83	0.84	0.84
November	.78	2.52	.60	1.43	.50	1.34
December	.69	3.21	.73	2.16	.41	1.75
January	.40	3.61	1.22	3.38	.70	2.45
February	.76	4.37	.48	3.86	.55	3.40
March	1.05	5.42	.84	4.70	1.58	4.98
April	2.40	7.82	3.04	7.74	3.51	8.49
May	3.14	10.96	4.40	12.14	4.85	13.34
June	3.74	14.70	4.32	16.46	8.84	22.18
July	3.26	17.96	2.77	19.23	1.06	23.24
August	2.92	20.88	.60	19.83	2.48	25.72
September	2.03	22.91	2.52	22.35	5.32	31.04
*51-year record.						
*GRAND ISLAND STATION, HALL COUNTY—ELEVATION, 1860						
October	2.12	2.12	1.23	1.23	1.67	1.67
November	1.04	3.16	.59	1.82	.77	2.44
December	.75	3.91	.90	2.72	.91	3.35
January	.55	4.46	.87	3.59	.02	3.37
February	.80	5.26	.39	3.98	.53	3.90
March	1.32	6.58	.31	4.29	1.72	5.62
April	2.45	9.03	3.00	7.29	1.19	6.81
May	3.95	12.98	3.02	10.31	2.94	9.75
June	4.05	17.03	4.87	15.18	7.70	17.45
July	3.55	20.58	1.89	17.07	1.41	18.86
August	3.52	24.10	1.21	18.28	4.58	23.44
September	2.96	27.06	6.32	24.60	4.06	27.50
*50-year record.						
*COLUMBUS STATION, PLATTE COUNTY—ELEVATION, 1442						
October	1.84	1.84	1.24	1.24	1.71	1.71
November	1.17	3.01	2.32	3.56	1.65	3.36
December	.71	3.72	1.41	4.97	1.00	4.36
January	.51	4.23	1.58	6.55	.32	4.68
February	.91	5.14	.89	7.44	1.17	5.85
March	1.21	6.35	.49	7.93	2.67	8.52
April	1.32	7.67	3.92	11.85	1.42	9.94
May	4.12	11.79	1.80	13.65	3.69	13.63
June	4.40	16.19	2.62	16.27	4.95	18.58
July	3.54	19.73	1.52	17.79	2.06	20.64
August	3.65	23.38	.12	17.91	3.15	23.79
September	3.21	26.59	5.80	23.71	4.57	28.36
*47-year record.						
*OMAHA STATION, DOUGLAS COUNTY—ELEVATION, 978						
October	2.17	2.17	2.53	2.53	3.57	3.57
November	1.07	3.24	2.24	4.77	1.01	4.58
December	.93	4.17	1.39	6.16	3.30	7.88
January	.70	4.87	1.03	7.19	.09	7.97
February	.93	5.76	.59	7.78	1.93	9.90
March	1.37	7.13	.36	8.14	1.50	11.40
April	2.51	9.64	3.07	11.21	.52	11.92
May	3.77	13.41	1.05	12.26	3.93	15.85
June	4.56	17.97	6.69	18.95	5.40	21.25
July	3.54	21.51	2.70	21.65	4.49	25.74
August	3.05	24.56	.73	22.38	3.25	28.99
September	3.21	27.77	5.27	27.65	3.84	32.83
*71-year record.						

PRECIPITATION AT VARIOUS POINTS—Concluded

Month	Normal		1941		1942	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
*FORT ROBINSON STATION, DAWES COUNTY—ELEVATION, 3807						
October	1.39	1.39	0.87	0.87	1.18	1.18
November	.47	1.86	.27	1.14	.55	1.73
December	.68	2.54	.41	1.55	.80	2.53
January	.52	3.06	.35	1.90	.18	2.71
February	.65	3.71	.41	2.31	.65	3.36
March	.93	4.64	1.66	3.97	1.03	4.39
April	1.95	6.59	3.12	7.09	5.32	9.71
May	2.79	9.38	.70	7.79	11.39	21.10
June	2.48	11.86	5.43	13.22	2.50	23.60
July	2.24	14.10	2.15	15.37	2.57	26.17
August	1.71	15.81	3.56	18.93	.48	26.65
September	1.42	17.23	1.53	20.46	1.52	28.17
*56-year record.						
*CULBERTSON STATION, HITCHCOCK COUNTY—ELEVATION, 2565						
October	1.30	1.30	0.52	0.52	1.16	1.16
November	.71	2.01	.45	.97	.20	1.36
December	.68	2.69	1.13	2.10	1.50	2.86
January	.34	3.03	1.09	3.19	.32	3.18
February	.58	3.61	.29	3.48	.87	4.05
March	1.04	4.65	.76	4.24	.82	4.87
April	2.00	6.65	2.88	7.12	5.82	10.69
May	2.98	9.63	2.94	10.06	1.79	12.48
June	3.28	12.91	5.32	15.38	5.72	18.20
July	2.95	15.86	4.52	19.90	.94	19.14
August	2.56	18.42	1.39	21.29	1.97	21.11
September	1.60	20.02	5.61	26.90	4.61	25.72
*37-year record.						
*GENOA STATION, NANCE COUNTY—ELEVATION, 1584						
October	1.80	1.80	1.08	1.08	1.63	1.63
November	1.00	2.80	1.02	2.10	.94	2.57
December	.86	3.66	.98	3.08	1.10	3.67
January	.52	4.18	1.28	4.36	.10	3.77
February	.74	4.92	.89	5.25	.83	4.60
March	1.13	6.05	.35	5.60	1.50	6.10
April	2.43	8.48	3.74	9.34	.88	6.98
May	4.03	12.51	2.79	12.13	3.05	10.03
June	4.43	16.94	3.87	16.00	5.11	15.14
July	3.58	20.52	2.86	18.86	.53	15.67
August	3.46	23.98	.14	19.00	3.28	18.95
September	3.24	27.22	6.48	25.48	4.79	23.74
*65-year record.						

ARIKAREE RIVER AT HAIGLER—Sec. 28-1-41 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	9	7	1	15	8	24	30	28	1	84	2
2	78	9	7	1	17	17	48	28	84	3	30	8
3	11	10	9	1	20	22	56	28	56	28	12	8
4	9	10	11	1	20	19	56	28	40	28	4	5
5	22	9	10	1	22	19	40	23	954	30	4	5
6	40	6	10	1	24	20	23	22	223	120	3	3
7	13	8	9	2	30	22	15	20	108	68	175	4
8	12	11	9	2	26	19	12	22	378	30	79	17
9	12	10	9	1	28	17	10	16	30	14	10	12
10	13	10	9	1	20	10	11	17	14	11	3	13
11	12	3	2	1	17	6	8	20	12	96	2	10
12	12	2	1	2	15	5	6	20	10	2190	1	11
13	12	2	1	2	13	5	35	17	6	30	1	10
14	11	3	1	2	10	6	30	16	7	28	2	12
15	10	3	1	2	10	7	33	12	6	38	1	10
16	10	3	2	2	12	10	59	12	5	28	1	6
17	12	2	2	3	11	13	38	14	5	26	1	5
18	11	3	2	4	7	19	33	12	2	22	725	7
19	10	4	2	4	9	15	38	10	3	24	398	8
20	10	4	2	3	9	13	56	7	4	15	6	6
21	6	5	2	3	8	13	62	6	2	6	17	10
22	5	5	2	4	8	15	46	12	147	5	38	30
23	5	4	3	5	9	17	35	23	19	4	835	78
24	6	6	3	5	8	16	28	24	4	4	210	65
25	6	8	1	5	6	23	17	28	2	3	12	38
26	6	6	1	5	8	26	20	23	6	5	2	38
27	9	5	1	6	9	14	22	75	14	12	2	38
28	10	6	1	12	7	14	33	71	11	12	4	33
29	8	8	1	15	--	17	71	38	2	8	3	48
30	8	9	1	15	--	20	291	26	1	48	3	59
31	8	--	1	22	--	20	----	26	-	323	3	----
Mean	13	6	4	4	14	15	42	23	73	105	86	20
Max.	78	11	11	22	30	26	291	75	954	2190	835	78
Min.	5	2	1	1	6	5	6	6	1	1	1	2
A. F.	803	363	244	266	789	926	2490	1440	4330	6470	5300	1190

Total acre-feet 24610.

BALD DRAIN—Sec. 32-23-56 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	2	2	1	1	1	2	0	0	2	2	2
2	3	2	2	1	1	1	2	0	0	2	2	2
3	3	2	2	1	1	1	3	0	0	2	2	2
4	3	2	2	1	1	1	3	0	0	2	2	2
5	3	2	2	1	1	1	3	0	0	2	2	2
6	3	2	2	1	1	1	3	0	2	2	2	2
7	3	2	2	1	1	1	3	0	2	2	2	2
8	3	2	2	1	1	2	3	0	2	2	2	2
9	3	2	2	1	1	2	2	0	2	2	2	2
10	3	3	2	1	1	2	2	0	2	2	2	6
11	2	3	3	1	1	2	2	0	2	2	2	6
12	2	3	3	1	1	2	2	0	2	2	2	6
13	2	3	3	1	1	2	2	0	2	2	2	6
14	2	2	3	1	1	2	1	0	2	2	2	4
15	2	2	3	1	1	2	0	0	2	2	2	4
16	2	2	3	1	1	2	0	1	2	2	2	4
17	2	2	2	1	1	2	0	1	2	2	2	3
18	2	2	2	1	1	1	0	2	2	2	2	3
19	2	2	2	1	1	1	1	2	2	2	2	2
20	2	2	2	1	1	1	1	1	2	2	2	2
21	2	2	2	1	1	1	1	1	2	2	2	2
22	2	2	2	1	1	1	2	1	2	2	2	3
23	2	2	2	1	1	2	2	1	2	2	2	4
24	2	2	1	1	1	2	2	1	2	2	2	6
25	2	2	1	1	1	2	3	1	2	2	2	6
26	2	2	1	1	1	2	3	0	2	2	2	4
27	2	2	1	1	1	2	3	0	2	2	2	2
28	2	2	1	1	1	2	3	0	2	2	2	2
29	2	2	1	1	--	2	2	0	2	2	2	2
30	2	2	1	1	--	2	1	0	2	2	2	2
31	2	--	1	1	--	2	0	0	--	2	2	--
Mean	2	2	2	1	1	2	2	0.4	2	2	2	3
Max.	3	3	3	1	1	2	3	2	2	2	2	6
Min.	2	2	1	1	1	1	0	1	0	2	2	2
A. F.	143	127	119	61	56	99	113	24	99	123	123	192

Total acre-feet 1279.

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD—Sec. 4-20-52 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	53	30	25	22	24	24	23	22	1	4	39	36
2	46	30	24	22	24	24	24	23	1	6	45	37
3	45	30	25	21	23	24	24	24	1	7	40	35
4	45	30	24	21	23	24	23	24	2	7	36	36
5	52	30	23	22	24	23	24	24	5	9	36	34
6	61	30	22	22	23	22	26	23	4	10	37	33
7	51	30	20	22	22	21	22	6	4	9	37	24
8	49	29	19	22	22	20	22	1	33	8	26	24
9	48	30	18	22	23	20	21	1	100	7	15	28
10	47	28	18	22	23	20	22	1	244	8	14	24
11	46	28	19	22	24	21	22	1	90	9	13	24
12	45	27	19	22	24	20	22	1	51	22	13	40
13	43	26	19	22	22	19	24	1	38	13	13	42
14	37	28	22	22	23	20	25	1	33	9	13	42
15	40	31	24	23	24	21	25	2	30	8	13	40
16	37	34	24	23	24	23	26	4	33	8	13	36
17	37	33	24	23	24	24	24	3	29	6	13	33
18	37	33	24	24	24	23	31	4	26	5	40	30
19	36	32	24	24	24	22	26	2	24	17	37	28
20	36	31	24	24	24	23	24	1	5	26	37	28
21	36	30	23	25	24	24	22	1	0	28	37	26
22	36	30	22	24	24	25	22	1	0	36	37	30
23	36	30	22	24	25	25	22	2	0	37	37	40
24	35	30	23	24	24	23	21	2	0	21	37	44
25	35	29	22	24	24	27	21	2	1	6	39	44
26	33	28	22	23	24	26	21	2	5	6	42	43
27	32	28	22	23	25	30	22	4	5	5	40	42
28	32	27	21	24	26	27	22	4	18	6	36	40
29	32	28	20	24	----	26	22	18	8	5	36	40
30	30	26	22	24	----	25	22	11	4	15	34	42
31	30	----	22	24	----	24	----	5	----	23	33	----
Mean	41	30	22	23	24	23	23	7	27	12	30	35
Max.	61	34	25	25	26	30	31	24	244	37	45	44
Min.	30	26	18	21	22	19	21	1	0	4	13	24
A. F.	2500	1760	1350	1410	1320	1430	1380	434	1580	768	1860	2070

Total acre-feet 17860.

BEAVER CREEK NEAR BEAVER CITY—Sec. 23-2-23 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.9	0.5	0.7	1.9	3.1	3	1.9	17	92	44	305	26
2	190	.4	.8	1.9	16	3.3	2.1	17	68	40	100	232
3	160	.2	1.1	1.6	33	3.7	2.8	34	126	37	38	348
4	45	.2	1.1	1.1	18	3	4.2	19	240	34	26	195
5	15	.1	.8	.4	18	2.5	5.9	17	280	34	25	70
6	9.2	.1	.8	.4	11	2.3	5.4	22	310	89	24	45
7	6	.1	.6	.4	7.6	2.8	6.8	16	330	43	23	24
8	4.7	.1	.7	.4	6.6	2.8	3.6	13	534	40	20	46
9	4.2	.2	.6	.5	5.4	3.3	3.7	15	501	36	18	46
10	3.7	.1	.6	.5	4.4	3.9	3.7	32	560	35	16	20
11	3.1	0	.7	.6	4.2	3.6	3.1	32	576	32	15	14
12	3.1	0	.6	1	4.7	3	2.7	19	462	26	35	10
13	2.7	0	.2	1.2	3.6	3.4	2.8	14	448	28	16	13
14	1.2	0	.2	1.6	2.7	3.1	2.8	13	462	26	26	24
15	1.4	.2	.3	2	2.3	2.4	15	11	476	24	13	20
16	1.7	.6	.3	2	2.8	2.1	66	9.4	518	24	9.3	16
17	1	.8	.3	1.9	2.8	2.3	124	7.1	290	26	36	14
18	.8	1.1	.3	1	2.8	1.7	39	6.4	170	101	20	11
19	1	1	.4	.4	3.1	2.1	167	6.4	138	77	16	11
20	.6	1.7	.4	.5	3	2.3	236	7.5	103	76	14	9.6
21	.6	1.2	.5	.5	2.5	2.3	251	6.1	84	74	11	5.9
22	.4	1	1.2	.5	2.4	2.1	300	38	107	63	9.1	5.1
23	.5	1.1	1.7	.5	2.8	1.9	270	26	138	56	272	5.1
24	.3	1.1	1.4	.5	2.3	2.1	103	147	213	48	384	236
25	.4	.8	1.3	.6	2.4	2.1	48	42	213	39	213	348
26	.5	1	1.2	.7	3.4	2.3	33	28	119	42	81	222
27	1.7	1.3	.8	.8	2.7	2.1	26	25	247	40	40	195
28	14	1.4	.6	2	2.7	2.3	21	18	285	44	28	122
29	3.7	1.2	.6	3.1	.....	2.3	19	13	89	166	30	123
30	1.2	.7	.8	4.2	.....	2	18	11	44	78	36	94
31	.5	----	1.4	2.3	.....	2.1	.....	9.9	.....	110	26	----
Mean	15.7	0.6	0.7	1.2	6.3	2.6	58.9	22.3	274	52.6	62.1	85
Max.	190	1.7	1.7	4.2	33	3.9	300	147	576	166	384	348
Min.	.3	0	.2	.4	2.3	1.7	1.9	6.1	44	24	9.1	5.1
A. F.	966	36	46	73	350	159	3510	1370	16320	3240	3820	5060

Total acre-feet 34950.

BEAVER CREEK AT GENOA—Sec. 14-17-4 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40	57	58	90	87	85	99	134	221	55	123	30
2	40	49	62	88	90	87	106	106	309	53	58	139
3	40	53	72	87	92	90	108	119	202	52	64	944
4	40	51	76	78	94	96	105	123	590	46	46	96
5	40	49	81	64	94	112	111	153	215	70	47	44
6	45	42	81	60	94	124	125	128	151	46	47	39
7	70	46	79	60	94	136	130	107	123	55	37	120
8	50	41	74	62	93	170	138	102	118	59	28	672
9	40	53	72	63	92	620	143	95	120	58	33	181
10	38	60	68	64	92	462	176	101	114	49	30	58
11	43	57	64	65	92	256	228	94	113	59	31	60
12	35	44	55	70	94	152	223	87	110	94	28	54
13	41	36	46	71	265	126	162	102	118	90	32	55
14	38	34	42	72	741	113	248	95	108	75	30	50
15	42	36	42	72	696	114	151	83	101	50	30	59
16	40	38	42	72	376	106	119	99	105	62	35	68
17	40	39	46	67	371	113	116	83	101	52	47	112
18	39	44	53	59	362	106	125	76	92	47	33	193
19	44	46	58	58	248	107	167	85	86	47	42	87
20	40	48	62	60	44	98	369	267	81	52	31	56
21	42	50	67	64	34	111	202	593	94	52	33	53
22	42	53	74	67	38	111	204	358	162	38	34	58
23	43	53	78	67	48	118	215	131	505	50	32	59
24	40	50	83	72	58	108	262	104	162	47	39	56
25	41	49	84	74	67	107	225	95	126	46	38	73
26	41	49	86	78	74	104	146	88	110	49	36	74
27	34	49	88	80	78	106	133	85	85	38	34	72
28	42	49	90	82	83	104	120	87	98	34	31	65
29	49	50	90	83	...	104	112	72	88	36	33	62
30	62	53	91	85	...	105	153	72	80	360	34	73
31	83	.....	91	86	.....	104	.....	281	.....	402	35	.....
Mean	44	48	70	72	168	144	164	136	156	75	40	126
Max.	83	60	91	90	741	620	369	593	590	402	123	944
Min.	34	34	42	58	34	85	99	72	80	34	28	30
A. F.	2710	2830	4270	4400	9300	8840	9760	8340	9300	4610	2440	7470

Total acre-feet 74270.

BIRDWOOD CREEK NEAR HERSHEY—Sec. 2-14-33 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	176	153	156	172	159	204	180	180	146	103	143	123
2	172	156	150	146	169	200	200	176	134	234	134	153
3	140	169	150	153	166	159	180	176	118	292	132	134
4	137	166	162	156	159	159	143	166	112	159	120	126
5	132	150	166	176	153	162	159	172	115	143	115	108
6	192	153	166	196	153	153	162	162	234	146	112	105
7	150	153	153	200	146	159	153	143	146	140	112	132
8	137	156	150	212	150	188	146	140	153	134	118	150
9	146	166	156	186	156	166	153	143	169	137	126	134
10	140	164	153	196	153	150	156	150	159	132	123	140
11	134	162	159	192	156	150	169	156	143	118	110	140
12	134	135	162	180	162	140	169	156	118	180	101	150
13	143	140	140	188	143	156	184	156	123	192	92	146
14	150	145	140	196	137	150	176	153	120	150	90	132
15	156	145	145	172	146	143	150	150	120	137	88	112
16	156	145	140	172	153	153	159	316	118	132	92	110
17	156	150	140	137	143	146	166	120	118	123	126	105
18	153	150	145	172	140	146	240	110	115	118	105	112
19	150	162	150	212	156	162	143	115	110	115	115	110
20	150	159	160	166	135	176	134	118	115	132	140	108
21	140	169	200	169	140	180	159	118	112	212	115	118
22	126	156	169	162	150	196	146	118	112	169	103	156
23	112	159	146	162	146	176	146	112	118	143	108	166
24	123	156	153	153	153	172	153	115	105	129	85	176
25	153	153	159	159	153	176	159	126	103	129	92	134
26	159	153	159	159	212	188	159	208	146	126	97	134
27	166	153	156	159	166	176	162	166	120	134	90	140
28	166	150	159	134	180	153	169	146	108	192	88	137
29	159	153	143	146	...	159	172	274	103	180	88	146
30	162	162	150	140	.....	166	196	184	99	156	88	166
31	166	.....	159	153	.....	180	.....	146	.....	150	132	.....
Mean	150	155	155	170	155	166	165	157	127	153	109	133
Max.	192	169	200	212	212	204	240	316	234	292	143	176
Min.	112	135	140	134	135	140	134	110	99	103	85	105
A. F.	9200	9210	9510	10450	8600	10200	9800	9660	7560	9400	6700	7940

Total acre-feet 108200.

BLUE CREEK NEAR LEWELLEN—Sec. 30-16-42 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	32	1	96	100	103	112	90	58	20	9	34	14
2	20	1	96	93	102	114	89	44	153	20	12	13
3	8	1	94	90	103	101	89	44	81	20	8	12
4	5	1	98	85	102	103	84	55	62	31	9	14
5	2	1	97	84	102	108	88	57	63	34	10	20
6	2	0	96	97	99	104	92	70	296	33	10	16
7	1	1	92	103	91	103	94	42	107	37	15	14
8	1	1	94	99	91	100	94	33	92	24	27	14
9	1	21	97	100	93	104	98	34	117	20	25	13
10	1	25	94	100	98	97	100	37	111	24	24	12
11	2	80	94	101	95	97	104	40	101	22	31	12
12	1	82	92	100	93	93	104	28	89	83	54	16
13	1	84	81	100	91	93	108	14	87	102	44	18
14	1	86	85	99	83	94	98	4	86	93	24	17
15	2	88	88	102	86	93	90	6	89	84	14	16
16	1	90	86	102	85	93	92	50	89	76	18	15
17	1	96	84	90	81	90	92	53	78	73	23	18
18	1	100	80	87	83	98	114	54	65	66	25	40
19	2	108	82	106	81	96	115	40	60	59	23	46
20	0	105	86	106	72	90	103	25	40	64	20	49
21	0	99	90	105	89	83	107	22	34	52	15	24
22	0	98	88	100	85	93	98	16	40	25	14	30
23	0	98	94	97	91	95	87	16	33	12	15	81
24	0	100	99	105	95	90	86	14	14	5	18	99
25	0	102	105	97	92	95	83	13	7	2	18	73
26	1	102	102	101	96	98	84	12	6	2	22	59
27	0	98	100	102	104	107	94	6	6	3	23	56
28	0	100	99	103	102	102	92	6	7	3	23	53
29	1	101	95	104	----	95	81	39	14	6	28	55
30	1	102	97	106	----	92	80	18	9	15	24	69
31	1	----	95	105	----	89	----	18	----	37	17	----
Mean	3	65	93	99	92	97	94	31	69	37	22	33
Max.	32	108	105	106	104	114	115	70	296	102	54	99
Min.	0	0	80	84	72	83	80	5	6	2	8	12
A. F.	162	3870	5700	6090	5130	5990	5610	1920	4080	2260	1320	1960

Total acre-feet 44090.

BLUE RIVER, BIG, AT BARNSTON—Sec. 13-1-7 E.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	44	132	164	124	173	365	229	299	4970	291	118	141
2	56	152	104	184	368	975	240	293	2020	229	201	113
3	50	168	108	153	296	344	238	383	3080	263	232	133
4	67	108	68	140	171	243	229	537	1070	198	278	112
5	65	84	106	138	389	311	311	568	745	187	151	431
6	44	88	162	94	660	341	206	656	1490	146	121	535
7	39	88	116	114	692	335	335	458	1240	276	121	2920
8	49	88	126	151	401	281	341	407	3110	263	154	5190
9	114	112	131	198	656	320	356	335	50000	180	192	4140
10	70	136	116	118	736	636	389	317	27400	230	71	4100
11	56	189	130	116	640	2640	371	302	11500	180	126	1820
12	62	61	122	162	580	3520	471	287	3900	188	122	1230
13	48	76	136	175	700	2860	416	281	2410	146	145	969
14	46	77	112	173	1400	2170	371	299	2130	230	80	984
15	50	65	134	173	1380	759	350	201	1530	198	193	8100
16	69	119	204	187	1700	520	350	222	795	220	245	25000
17	48	124	162	134	1270	1240	216	216	585	234	195	21400
18	51	123	156	189	890	1100	145	392	505	279	246	3190
19	50	116	136	112	754	880	266	426	585	156	193	259
20	45	112	153	169	493	754	484	235	259	113	220	585
21	35	162	122	171	692	584	429	240	254	200	289	377
22	39	193	162	112	768	464	772	341	227	149	254	268
23	51	196	149	167	580	445	580	243	365	135	220	230
24	44	88	136	167	496	404	970	468	304	129	185	205
25	40	103	116	173	445	290	688	580	268	128	190	149
26	50	121	151	216	308	341	552	455	279	135	220	173
27	45	136	182	147	365	329	496	344	281	108	475	190
28	75	106	114	178	386	296	353	314	295	113	261	105
29	121	104	169	178	----	214	308	255	264	128	205	248
30	156	143	167	175	----	124	356	54	300	132	151	234
31	128	----	187	182	----	320	----	506	----	124	77	----
Mean	62	119	139	157	657	787	394	352	4072	183	191	2784
Max.	156	196	204	216	1700	3520	970	656	50000	291	475	25000
Min.	35	61	68	94	171	124	145	54	227	108	71	105
A. F.	3780	7080	8530	9660	36470	48410	23440	21650	242300	11280	11760	165700

Total acre-feet 590100.

BLUE RIVER, LITTLE, NEAR ENDICOTT—Sec. 5-1-3 E.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	103	155	122	153	163	152	158	180	117	290	190	117
2	106	127	120	141	193	131	161	185	153	267	172	122
3	94	115	104	139	174	142	163	220	1280	256	143	203
4	93	114	129	118	179	131	310	271	2150	229	133	421
5	93	111	124	74	196	134	308	249	693	219	122	421
6	94	108	127	72	195	131	209	394	678	211	114	316
7	94	108	122	108	171	150	193	260	1010	262	107	222
8	92	111	118	134	114	147	254	217	1170	326	104	203
9	87	122	121	150	126	138	322	195	19900	269	100	174
10	94	131	118	160	141	407	251	190	18200	216	100	155
11	89	121	120	158	144	1320	206	387	9010	187	99	136
12	87	82	120	171	145	1400	184	258	4630	177	98	132
13	86	70	80	152	188	947	169	211	2750	164	97	141
14	87	134	114	138	211	592	160	204	1440	164	102	138
15	84	117	63	139	156	476	156	193	828	157	120	5320
16	90	149	88	141	164	514	155	180	634	150	142	9790
17	87	136	88	121	148	527	169	163	514	146	137	1780
18	87	128	98	94	138	346	164	150	438	141	123	566
19	86	163	111	112	131	299	783	145	381	137	108	324
20	85	153	129	118	81	263	1060	139	348	134	102	267
21	86	153	142	134	120	236	843	138	338	130	99	231
22	84	141	159	142	117	219	579	135	322	124	98	206
23	92	136	182	168	139	212	366	135	606	119	170	193
24	87	132	204	239	160	203	290	134	514	114	235	190
25	84	131	227	164	136	192	247	127	768	110	300	179
26	90	134	176	112	114	184	222	127	738	106	428	168
27	92	131	141	92	131	177	204	121	693	104	315	160
28	161	131	147	98	141	174	192	125	476	148	207	152
29	125	127	153	100	.....	169	182	118	379	215	144	163
30	106	125	153	155	.....	164	179	117	314	278	114	253
31	196	.....	148	204	.....	164	.....	113	.....	223	113	.....
Mean	98	127	131	136	151	337	295	186	2382	186	150	761
Max.	196	163	227	239	211	1400	1060	394	19900	326	428	9790
Min.	84	70	63	72	81	131	155	113	117	104	97	117
A. F.	5990	7530	8030	8330	8360	20710	17530	11470	141800	11450	9200	45310

Total acre-feet 295700.

BUFFALO CREEK—Sec. 33-9-18 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1	0	0	1	10	1	22	12	16	3	0
2	0	1	0	0	1	8	2	20	10	16	0	4
3	0	1	0	0	1	6	2	20	10	20	8	8
4	0	1	0	0	1	3	4	20	10	24	5	14
5	0	1	0	0	1	3	4	23	59	35	4	40
6	0	1	0	0	2	2	2	16	40	31	4	47
7	0	0	2	0	2	1	2	40	35	17	0	55
8	0	0	2	0	1	0	1	8	30	20	0	48
9	0	0	2	0	1	0	1	12	20	19	0	31
10	0	0	2	0	0	0	1	5	25	29	0	25
11	0	0	3	0	0	0	1	6	53	21	0	35
12	0	0	3	0	0	0	2	15	40	17	0	38
13	0	0	4	0	0	0	2	8	30	16	0	32
14	0	0	4	0	0	0	2	6	25	11	0	27
15	0	0	4	0	0	0	2	2	15	60	0	19
16	0	0	4	0	0	0	2	2	10	35	0	21
17	0	0	2	0	0	0	6	2	8	19	0	19
18	0	0	2	0	0	0	8	1	15	43	0	16
19	0	0	1	0	0	0	8	1	12	70	0	24
20	0	0	1	0	1	0	14	15	10	50	0	17
21	0	0	1	0	2	2	14	43	10	37	0	13
22	0	0	1	0	4	2	10	45	25	52	0	19
23	0	0	0	0	4	3	10	55	25	31	0	19
24	0	0	0	1	6	4	8	50	30	21	0	60
25	0	1	0	1	6	4	8	40	15	25	0	75
26	0	1	0	2	8	4	6	25	30	33	0	100
27	0	1	0	3	15	4	4	19	25	23	0	135
28	0	1	0	3	20	2	4	18	15	16	0	60
29	0	1	0	2	..	1	4	15	15	12	0	35
30	1	0	0	1	..	0	12	15	15	16	21	31
31	1	..	0	1	..	0	..	15	.....	6	9	.....
Mean	0	0.3	1	0.5	3	2	5	19	22	27	2	35
Max.	1	1	4	3	20	10	14	55	59	70	21	135
Min.	0	0	0	0	0	0	1	1	8	6	0	0
A. F.	4	22	75	28	153	117	291	1158	1337	1668	107	2116

Total acre-feet 7076.

BUFFALO CREEK NEAR HAIGLER—Sec. 20-1-40 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	9.8	11	10	11	11	9	11	5.6	6.3	5.4	6
2	10	9.4	11	10	11	11	10	10	9.4	5.4	4.9	7
3	10	9.8	12	10	11	11	10	11	8.4	7.7	4.4	8
4	9	10	12	10	11	11	9.8	11	7.3	7.9	4.1	8
5	9	9.8	12	10	10	11	9.8	10	7	8.6	4.5	7
6	9	10	12	12	10	11	10	9.6	9.2	11	6.8	7
7	8	9.8	13	12	9.6	11	9.6	9	8.8	11	7.3	7
8	8	9.8	12	10	9.4	11	9.8	9	8.2	9.2	8.2	8
9	8	9.6	13	9.8	9.4	11	9.4	9.2	8	8.2	8.4	8
10	8	10	13	9.2	9.4	11	9.2	9.4	8.2	7.7	7.9	7.5
11	8	5	13	9.2	9.4	10	9.2	9.4	8.2	23	7.7	7.2
12	8	6	6	9	9.2	11	9	9.2	7.6	24	7	6.6
13	8.6	6.5	6.5	9	8.6	11	9.4	9.4	7.3	16	6.6	6.2
14	7.8	7	7	8.8	8.6	11	9.2	9.2	7.2	12	6.2	5.8
15	7.6	9	7.5	9	8.8	10	9.4	9	7.2	11	5.5	5.5
16	8	9.5	6.5	9.8	9	10	11	8.6	6.8	9	5.8	5.5
17	8.4	10	7	9.6	9.4	10	10	8.6	6.2	8.1	6.2	5.2
18	8.4	11	7.5	9.8	9.6	10	11	8.6	6.2	6.5	6.2	5.1
19	8.8	8.8	8.5	9.8	9.8	10	11	8.4	6.2	5.4	6.5	5.1
20	9	9.6	7	9.6	10	10	12	8.4	6	4.9	6.3	4.5
21	9.2	9.6	8	9.8	11	10	14	8.4	6	6	6.2	4.6
22	8.4	9.8	9	9.6	11	10	14	13	6.3	6.6	5.8	12
23	9.2	10	10	9.8	11	10	13	13	6.2	5.7	7	10
24	9.8	10	11	10	11	10	12	12	6	5.2	8	9.8
25	9	10	11	10	11	11	12	11	6.2	4.9	8	9.8
26	8.8	11	10	9.6	11	11	12	11	7.9	5.1	7	9.6
27	9	11	10	9.6	11	11	12	13	7.3	5.5	7	9.4
28	9.4	11	10	9.6	11	10	12	11	7	6.6	6	9
29	8.6	11	10	9.6	—	10	12	8.2	6.5	13	6	9
30	9.4	11	10	10	—	9.8	12	6.7	6	10	6	9
31	9.6	—	10	11	—	9.2	—	6	—	6.8	6	—
Mean	8.7	9.5	9.9	9.9	10.1	10.5	10.8	9.7	7.2	8.9	6.4	7.4
Max.	10	11	13	12	11	11	14	13	9.4	24	8.4	12
Min.	7.6	5	6	8.8	8.6	9.2	9	6	5.6	4.9	4.1	4.5
A. F.	538	565	608	605	560	645	640	598	425	552	395	441

Total acre-feet 6570.

BULL DRAIN—Sec. 19-13-28 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	1	1	1	1	2	3	2	2	2	1	0
2	1	1	1	1	1	2	3	2	2	2	1	0
3	1	1	1	1	1	2	3	2	2	2	1	0
4	1	1	1	1	1	2	3	2	2	2	1	0
5	1	1	1	1	2	2	3	2	2	2	1	0
6	1	1	1	1	2	2	3	2	2	2	1	0
7	1	1	1	1	2	2	3	2	2	2	1	0
8	1	1	1	1	2	2	3	2	2	2	1	0
9	1	1	1	1	2	2	3	2	2	2	1	0
10	1	1	1	1	2	2	3	2	2	2	0	0
11	1	1	1	1	2	2	3	2	2	2	0	0
12	1	1	1	1	2	2	2	2	2	2	0	0
13	1	1	1	1	2	2	2	2	2	2	0	0
14	1	1	1	1	2	2	2	2	2	2	0	0
15	1	1	1	1	2	2	2	2	2	2	0	0
16	1	1	1	1	2	3	2	2	2	2	0	0
17	1	1	1	1	2	3	2	2	2	2	0	0
18	1	1	1	1	2	3	2	2	2	1	0	0
19	1	1	1	1	2	3	2	2	2	1	0	0
20	1	1	1	1	2	3	2	2	2	1	0	0
21	1	1	1	1	2	3	2	2	2	1	0	0
22	1	1	1	1	2	3	2	2	2	1	0	0
23	1	1	1	1	2	3	2	2	2	1	0	0
24	1	1	1	1	2	3	2	2	2	1	0	0
25	1	1	1	1	2	3	2	2	2	1	0	0
26	1	1	1	1	2	3	2	2	2	1	0	0
27	1	1	1	1	2	3	2	2	2	1	0	0
28	1	1	1	1	2	3	2	2	2	1	0	0
29	1	1	1	1	..	3	2	2	2	1	0	0
30	1	1	1	1	..	3	2	2	2	1	0	0
31	1	..	1	1	..	3	..	2	..	1	0	..
Mean	1	1	1	1	1	2	2	2	2	1	0.3	0
Max.	1	1	1	1	2	3	3	2	2	2	1	0
Min.	1	1	1	1	1	2	2	2	2	1	0	0
A. F.	61	60	61	61	103	155	157	123	119	95	18	0

Total acre-feet 1013.

CALAMUS RIVER NEAR BURWELL—Sec. 8-21-16 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	241	245	264	289	241	223	253	264	264	230	212	220
2	256	245	256	272	241	220	268	264	284	216	212	237
3	241	245	256	260	234	216	272	256	264	216	212	245
4	237	249	256	230	237	199	264	253	253	216	212	249
5	237	237	256	220	234	284	260	256	264	216	202	234
6	280	241	256	230	230	276	260	245	260	216	202	223
7	260	249	256	237	226	284	260	237	256	216	202	237
8	241	256	256	249	220	276	268	216	237	216	199	253
9	234	264	256	256	202	276	253	237	253	216	192	256
10	234	260	256	268	212	264	237	234	241	230	192	245
11	234	241	256	268	260	260	272	245	241	226	199	234
12	234	241	268	256	272	249	280	245	245	230	199	249
13	237	241	220	256	241	241	272	245	245	253	196	249
14	226	241	186	260	264	249	272	237	234	234	189	241
15	223	245	212	264	260	256	256	237	234	223	189	260
16	223	256	212	241	253	245	249	253	230	249	196	237
17	226	256	223	220	237	220	289	245	264	220	196	234
18	226	256	237	206	237	230	289	230	260	209	216	234
19	226	256	256	212	209	237	305	230	226	209	230	230
20	226	256	289	223	202	264	268	310	216	202	230	223
21	234	256	289	245	192	272	276	310	241	212	230	220
22	241	256	284	245	206	280	256	272	293	212	189	264
23	245	256	276	245	212	284	256	253	284	209	189	280
24	245	256	276	245	216	280	253	241	256	206	216	336
25	256	256	276	245	237	264	234	241	245	202	196	284
26	249	256	276	245	237	276	241	241	256	202	209	264
27	249	256	284	245	234	276	230	272	245	202	209	245
28	264	256	280	245	230	268	230	276	223	209	212	234
29	253	264	268	245	----	268	241	260	223	212	218	237
30	253	256	260	245	----	276	268	245	241	209	223	284
31	253	----	264	245	----	268	----	276	----	202	212	----
Mean	241	252	257	246	231	257	261	252	249	217	206	248
Max.	280	264	289	289	272	284	305	310	293	253	230	336
Min.	223	237	186	206	192	199	230	216	216	202	189	220
A. F.	14840	14970	15790	15100	12840	15830	15530	15520	14830	13330	12650	14750

Total acre-feet 176000.

CASTLE ROCK SEEP—Sec. 20-21-53 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	1	0	1	1	1	2	1
2	0	0	0	0	0	1	0	1	1	1	2	1
3	0	0	0	0	0	1	0	1	1	1	2	1
4	1	0	0	0	0	0	1	1	0	1	2	1
5	1	0	0	1	0	0	1	0	0	1	2	1
6	1	0	0	1	0	0	0	0	0	1	2	1
7	1	0	0	1	0	0	0	0	0	1	2	1
8	1	0	0	1	0	0	0	0	1	1	1	1
9	1	0	0	0	0	0	1	0	1	1	1	1
10	1	0	0	0	0	0	1	0	1	1	1	1
11	1	0	1	0	0	0	0	0	1	1	1	1
12	0	0	1	0	0	0	0	0	1	1	1	1
13	0	0	1	0	1	0	1	0	1	1	1	1
14	0	0	1	1	1	0	1	0	1	2	1	1
15	0	1	1	1	1	0	1	0	1	2	1	1
16	0	1	1	1	0	0	1	1	1	2	2	1
17	0	1	1	1	0	0	1	1	1	2	2	1
18	0	1	1	1	0	0	1	1	1	2	2	1
19	0	1	0	1	1	0	1	1	1	2	2	1
20	0	1	0	0	1	0	1	1	1	1	2	1
21	0	1	0	0	1	1	0	1	1	1	2	1
22	0	1	0	0	1	1	0	0	1	1	2	2
23	1	0	0	0	1	1	0	0	1	1	2	2
24	1	0	0	1	1	1	0	0	1	1	1	1
25	1	0	0	1	1	1	1	0	1	1	1	1
26	1	0	0	1	1	1	1	0	1	2	1	1
27	1	0	0	1	1	1	1	0	1	2	1	1
28	0	0	0	0	1	1	1	0	1	2	1	1
29	0	0	0	0	--	1	1	0	1	2	1	1
30	0	0	0	0	--	1	1	1	1	2	1	1
31	0	--	0	0	--	0	--	1	--	2	1	--
Mean	0.4	0.3	0.3	0.5	0.4	0.4	0.6	0.3	0.9	1	1	1
Max.	1	1	1	1	1	1	1	1	1	2	2	2
Min.	0	0	0	0	0	0	0	0	0	1	1	1
A. F.	26	16	16	28	26	26	36	24	51	85	91	63

Total acre-feet 488.

CEDAR CREEK—Sec. 11-18-48 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	10	10	11	10	10	11	11	2	7	2	11
2	5	10	10	12	10	10	11	11	3	6	2	11
3	7	10	10	12	10	10	11	11	3	11	2	11
4	7	10	10	12	10	10	11	11	3	12	2	11
5	7	10	10	12	10	10	11	11	3	9	2	5
6	8	10	10	12	10	10	11	11	19	9	2	2
7	8	10	10	12	10	10	11	12	3	9	2	2
8	10	10	10	12	10	10	11	12	7	8	2	2
9	10	8	10	12	10	10	11	13	21	3	2	3
10	10	6	10	12	10	10	11	15	23	3	2	3
11	10	5	10	12	10	10	11	11	18	2	2	2
12	10	5	10	12	10	10	11	11	25	8	2	2
13	10	7	10	12	10	10	11	11	19	8	2	2
14	10	7	10	11	10	10	11	11	14	3	2	1
15	10	7	10	11	10	10	11	11	10	3	2	1
16	10	7	10	11	10	10	11	11	10	3	1	1
17	10	7	10	11	10	11	12	11	11	12	1	1
18	10	8	10	11	10	11	12	11	11	11	2	1
19	10	8	10	10	10	11	15	11	12	8	2	1
20	10	8	10	10	10	11	13	11	3	5	2	1
21	10	8	10	10	10	11	12	11	3	9	2	1
22	10	8	10	10	10	11	11	11	3	3	5	3
23	10	8	10	10	10	11	11	7	7	2	31	3
24	10	10	10	10	10	11	11	3	5	0	14	21
25	10	10	10	10	10	11	11	2	2	2	12	11
26	10	10	11	10	10	11	11	2	3	2	14	11
27	10	10	11	10	10	11	11	2	2	2	12	12
28	10	10	11	10	10	11	11	3	2	2	12	6
29	10	10	11	10	---	11	11	3	6	2	12	6
30	10	10	11	10	---	11	11	2	3	2	12	18
31	10	....	11	10	....	11	....	3	..	2	11	—
Mean	10	9	10	11	10	10	11	9	8	5	6	6
Max.	10	10	11	12	10	11	15	15	25	12	31	18
Min.	5	5	10	10	10	10	11	2	2	0	1	1
A. F.	570	510	625	675	555	645	670	550	508	334	348	330

Total acre-feet 6320.

CEDAR RIVER NEAR FULLERTON—Sec. 33-17-6 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	150	176	176	228	205	135	226	228	344	151	142	120
2	150	172	157	224	205	135	235	272	218	148	146	188
3	150	159	138	214	205	117	240	237	366	155	129	308
4	151	182	135	190	205	100	248	259	226	136	129	155
5	153	168	144	165	205	110	243	208	226	142	110	148
6	172	172	151	155	205	172	228	222	208	144	95	151
7	252	170	168	155	205	265	241	206	208	146	97	440
8	174	168	178	159	205	443	281	204	198	165	102	541
9	170	170	174	165	205	890	335	194	216	153	95	182
10	155	178	168	174	205	371	270	202	208	146	99	136
11	144	151	165	180	205	279	246	200	208	146	89	165
12	142	140	153	185	400	259	248	198	231	142	80	140
13	142	130	135	190	1000	248	388	200	228	150	99	136
14	138	120	120	190	800	252	303	204	224	168	95	150
15	136	110	108	190	500	231	239	196	216	174	84	155
16	142	105	108	190	300	237	228	200	214	161	97	364
17	150	105	117	190	200	216	218	233	222	148	91	204
18	146	105	122	185	150	248	226	186	358	138	108	155
19	148	110	131	185	100	243	328	188	237	126	95	161
20	138	115	170	180	67	222	354	794	216	131	120	148
21	151	125	172	180	70	226	349	306	216	119	114	126
22	153	145	188	175	92	226	306	224	1630	110	115	138
23	165	160	208	170	117	228	243	204	586	131	99	157
24	165	190	208	170	131	222	252	186	332	97	97	159
25	165	237	218	175	135	226	250	178	218	119	138	178
26	167	237	222	180	135	220	235	178	218	117	112	167
27	167	259	228	185	135	224	222	174	248	117	133	163
28	196	216	228	190	135	220	214	196	180	114	110	168
29	279	206	228	190	.....	214	216	206	184	108	122	159
30	210	186	228	195	.....	208	218	186	168	377	117	174
31	184	.....	228	200	.....	208	.....	340	.....	176	99	.....
Mean	165	162	170	184	240	245	261	233	292	147	108	191
Max.	279	259	228	228	1000	890	388	794	1630	377	146	541
Min.	136	105	108	155	67	100	214	174	168	97	80	120
A. F.	10130	9650	10460	11310	13330	15060	15530	14300	17360	9030	6660	11380

Total acre-feet 144200.

CLEAR CREEK—Sec. 32-16-41 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	5	9	9	9	9	6	4	8	3	6	8
2	2	5	9	9	9	9	6	3	10	3	6	8
3	2	5	9	10	9	9	6	3	10	3	4	8
4	2	5	9	10	9	9	6	3	10	3	5	6
5	2	5	9	10	9	9	6	3	10	3	1	6
6	2	5	9	10	9	9	6	3	10	2	1	6
7	2	5	9	10	9	9	6	12	9	7	1	6
8	2	5	9	9	9	9	6	0	9	7	4	6
9	2	5	9	9	9	9	6	0	9	7	4	6
10	5	5	9	9	9	7	6	0	9	7	4	6
11	5	7	9	9	9	7	6	0	9	7	8	7
12	5	9	9	9	9	7	6	0	7	7	0	6
13	5	10	9	9	9	7	6	0	7	7	0	2
14	7	10	9	9	9	7	6	0	7	7	0	2
15	7	10	9	9	9	7	7	0	7	7	0	2
16	7	10	9	9	9	7	7	10	7	7	0	2
17	7	10	9	9	9	6	7	9	6	9	0	2
18	7	10	9	9	9	6	7	8	6	10	0	6
19	9	10	9	9	9	6	7	6	6	10	0	6
20	9	10	9	9	9	6	7	6	6	10	0	6
21	9	10	9	9	9	6	7	6	6	10	0	8
22	9	9	9	9	9	6	7	8	6	10	0	8
23	9	9	9	9	9	6	7	9	9	10	0	8
24	6	9	9	9	9	6	7	8	5	4	0	9
25	6	9	9	9	9	6	7	8	3	4	0	8
26	6	9	9	9	9	6	7	8	3	4	8	9
27	6	9	9	9	9	6	5	8	3	4	8	9
28	6	9	9	9	9	6	5	8	0	6	8	9
29	5	9	9	9	–	6	4	8	3	8	8	9
30	5	9	9	9	–	6	4	8	3	8	8	9
31	5	–	9	9	–	6	–	9	–	8	8	–
Mean	5	8	9	9	9	7	6	5	7	6	3	6
Max.	9	10	9	10	9	9	7	12	10	10	8	9
Min.	2	5	9	9	9	6	4	0	0	3	0	2
A. F.	323	470	554	563	500	435	370	310	400	390	180	380

Total acre-feet 4875.

CLEVELAND DRAIN—Sec. 6-20-52 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	2	1	1	1	1	1	4	4	6	15	6
2	10	2	1	1	1	1	1	4	4	8	15	5
3	8	2	1	1	1	1	1	2	3	10	12	4
4	6	2	1	1	1	1	1	4	15	14	4	6
5	6	2	1	1	1	1	1	2	5	16	9	4
6	4	2	1	1	1	1	1	2	2	15	4	9
7	4	2	1	1	1	1	1	2	2	9	3	9
8	4	2	1	1	1	1	1	3	7	12	9	12
9	4	1	1	1	1	1	1	2	10	12	6	9
10	4	1	1	1	1	1	1	2	20	9	9	10
11	3	1	1	1	1	1	1	1	10	12	2	9
12	3	1	1	1	1	1	2	1	12	18	4	8
13	3	1	1	1	1	1	2	1	6	15	6	9
14	3	1	1	1	1	1	2	0	4	14	2	9
15	3	1	1	1	1	1	2	0	2	12	6	12
16	3	1	1	1	1	1	2	2	2	9	5	6
17	3	1	1	1	1	1	2	7	3	9	6	2
18	3	1	1	1	1	1	2	5	2	9	15	15
19	3	1	1	1	1	1	2	6	2	11	14	9
20	2	1	1	1	1	1	2	6	2	8	13	4
21	2	1	1	1	1	1	2	6	2	12	14	4
22	2	1	1	1	1	1	2	6	2	12	14	6
23	2	1	1	1	1	1	2	7	2	9	14	6
24	2	1	1	1	1	1	2	7	2	6	11	5
25	2	1	1	1	1	1	2	7	2	7	12	4
26	2	1	1	1	1	1	2	7	7	4	11	6
27	2	1	1	1	1	1	2	8	8	3	9	6
28	2	1	1	1	1	1	2	8	4	4	6	4
29	2	1	1	1	–	1	3	9	6	3	6	4
30	2	1	1	1	–	1	4	9	12	10	4	4
31	2	–	1	1	–	1	–	6	–	9	6	–
Mean	4	1	1	1	1	1	2	4	6	10	9	7
Max.	10	2	1	1	1	1	4	9	20	18	15	15
Min.	2	1	1	1	1	1	1	0	2	3	2	2
A. F.	220	75	61	61	56	61	103	270	345	610	528	410

Total acre-feet 2800.

COLD WATER CREEK—Sec. 34-18-46 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	0.4	*	*	2	1	1	1	1
2	*	*	*	0.4	*	*	*	2	1	1	1	1
3	*	*	*	*	*	*	*	2	1	1	2	1
4	*	*	*	*	*	*	*	2	2	1	1	1
5	*	*	*	*	*	*	*	2	2	1	1	1
6	*	*	*	*	*	*	*	2	2	1	1	1
7	*	*	*	*	*	*	0.3	2	2	2	1	1
8	*	*	*	*	*	*	*	2	2	2	1	1
9	*	*	*	*	*	*	*	2	2	2	1	1
10	*	*	*	*	*	*	*	2	1	1	1	2
11	*	*	*	*	*	*	*	2	1	1	1	1
12	*	*	*	*	*	*	*	3	1	2	1	1
13	*	*	*	*	*	*	*	3	1	2	1	1
14	*	*	*	*	*	*	*	3	1	1	1	1
15	*	*	*	*	*	*	*	4	1	2	1	1
16	*	*	*	*	*	*	*	5	1	1	1	2
17	*	*	*	*	*	0.4	*	3	1	1	1	1
18	*	*	*	*	*	*	*	3	1	1	3	1
19	*	*	*	*	*	*	*	3	1	1	4	1
20	*	*	*	*	*	*	*	3	1	1	2	1
21	*	*	*	*	*	*	*	3	1	1	2	1
22	*	*	*	*	*	*	*	4	1	1	2	1
23	*	*	*	*	*	*	*	4	1	1	1	1
24	*	*	*	*	*	*	*	3	1	1	1	1
25	*	*	*	*	*	*	*	2	1	1	1	1
26	*	*	*	*	*	*	*	2	1	0	1	1
27	*	*	*	*	*	*	*	2	1	1	1	1
28	*	*	*	*	*	*	*	3	1	1	1	3
29	*	*	*	*	_	*	*	3	1	1	1	3
30	*	*	*	*	_	*	*	3	1	1	1	3
31	*		*	*	_	*	_	2	_	1	1	_
Mean	*	*	*	*	*	*	*	3	1	1	1	1
Max.	*	*	*	*	*	*	*	4	2	2	4	3
Min.	*	*	*	*	*	*	*	2	1	0	1	1
A. F.	*	*	*	*	*	*	*	165	71	70	80	75

*No record.

DAWSON COUNTY DRAIN NO. 2—Sec. 25-10-23 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	1	1	2	2	5
2	*	*	*	*	*	*	*	1	1	2	2	2
3	*	*	*	*	*	*	*	1	2	2	2	3
4	*	*	*	*	*	*	*	1	2	2	2	3
5	0.3	*	*	*	*	*	*	1	2	2	2	3
6	*	*	*	*	1	1	*	1	2	2	2	3
7	*	*	*	*	*	*	*	1	2	2	1	3
8	*	*	*	*	*	*	*	1	2	2	1	3
9	*	*	*	1	*	*	*	1	2	1	1	3
10	*	*	*	*	*	*	*	1	4	1	1	3
11	*	*	*	*	*	*	*	1	2	2	2	3
12	*	*	*	*	*	*	*	1	2	2	2	3
13	*	*	*	*	*	*	*	1	2	2	2	3
14	*	*	*	*	*	*	*	1	2	3	2	3
15	*	*	*	*	*	*	*	1	2	3	1	3
16	*	*	*	*	*	*	*	1	2	3	0	3
17	*	*	*	*	*	*	*	1	2	3	0	3
18	*	*	*	*	*	*	*	1	2	3	1	3
19	*	*	*	*	*	*	*	1	2	2	1	3
20	*	*	*	*	*	*	*	1	2	2	1	3
21	*	*	*	*	*	*	*	1	2	3	2	3
22	*	*	*	*	*	*	*	1	2	3	2	3
23	.6	*	*	*	*	*	*	1	2	3	1	3
24	*	*	*	*	*	*	*	1	2	3	1	3
25	*	*	*	*	*	*	*	1	2	2	1	3
26	*	*	*	*	*	*	1	1	2	2	1	3
27	*	*	*	*	*	*	*	1	2	2	2	3
28	*	*	*	*	*	*	*	1	2	2	3	3
29	*	*	*	*	_	*	*	1	2	4	2	3
30	*	*	*	*	_	*	*	1	2	3	2	3
31	*	_	*	*	_	*	_	1	_	3	3	_
Mean	*	*	*	*	*	*	*	1	2	1	1	3
Max.	*	*	*	*	*	*	*	1	4	4	3	5
Min.	*	*	*	*	*	*	*	1	1	1	0	2
A. F.	*	*	*	*	*	*	*	61	119	83	95	180

*No record.

DeGRAW DRAIN—Sec. 24-20-51 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	1	2	2	2	3	2	3	2	2	2	2
2	1	1	2	2	2	3	2	3	2	2	2	2
3	1	1	2	2	2	3	2	3	2	2	2	3
4	1	1	2	2	2	3	2	3	2	2	2	2
5	1	2	2	2	2	3	2	3	2	2	2	2
6	1	2	2	2	3	3	2	3	2	2	2	2
7	1	2	2	2	3	3	2	3	2	2	2	2
8	1	2	2	2	3	2	2	3	2	2	2	2
9	1	2	2	2	3	2	2	3	2	2	2	2
10	1	2	2	2	3	2	2	3	2	2	2	2
11	1	2	2	2	3	2	2	3	2	2	2	2
12	1	2	2	2	2	2	2	3	2	2	2	2
13	1	2	2	2	2	2	2	3	2	2	2	2
14	1	2	2	2	2	2	2	3	2	2	2	3
15	1	2	2	2	2	2	2	3	2	2	2	3
16	1	2	2	1	2	2	2	3	2	2	2	3
17	1	2	2	1	2	2	2	3	2	2	2	3
18	1	2	2	1	2	2	3	3	2	2	2	3
19	1	2	2	1	2	2	3	3	2	2	2	3
20	1	2	2	1	2	2	3	2	2	2	2	3
21	1	2	2	1	2	2	3	2	2	2	2	3
22	1	2	2	1	2	2	3	2	2	2	2	3
23	1	2	2	1	2	2	3	2	2	2	2	3
24	1	2	2	1	2	2	3	2	2	2	2	3
25	1	2	2	1	2	2	3	2	2	2	2	3
26	1	2	2	1	3	2	3	2	2	2	2	3
27	1	2	2	2	3	2	3	2	2	2	2	7
28	1	2	2	2	3	2	3	2	2	2	2	3
29	1	2	2	2	–	2	3	2	2	2	2	3
30	1	2	2	2	–	2	3	2	2	2	2	3
31	1	–	2	2	–	2	–	2	–	2	2	–
Mean	1	1	2	2	2	2	2	3	2	2	2	3
Max.	1	2	2	2	3	3	3	3	2	2	2	7
Min.	1	1	2	1	2	2	2	2	2	2	2	2
A. F.	61	52	123	101	129	137	145	160	119	123	123	187

Total acre-feet 1460.

DUGOUT CREEK, UPPER—Sec. 20-20-50 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	1	1	0	0	1
2	*	*	*	*	*	*	*	1	2	0	1	3
3	*	*	*	*	*	*	*	1	1	2	12	3
4	*	*	*	*	*	*	*	0	1	4	14	3
5	*	0.4	0.3	*	*	*	*	0	1	3	12	3
6	*	*	*	*	0.3	*	*	0	1	2	1	4
7	*	*	*	*	*	*	*	1	1	2	0	6
8	*	*	*	*	*	*	*	1	2	2	0	3
9	*	*	*	*	*	*	*	1	4	2	0	4
10	*	*	*	*	*	*	*	1	3	1	0	4
11	*	*	*	*	*	*	*	0	4	1	0	4
12	*	*	*	*	*	*	*	0	2	1	0	4
13	*	*	*	*	*	*	*	0	1	1	0	4
14	0.4	*	*	*	*	*	0.2	0	1	2	0	4
15	*	*	*	*	*	*	*	0	3	3	0	4
16	*	*	*	*	*	*	*	1	4	5	0	3
17	*	*	*	*	.3	0.3	*	1	5	2	0	3
18	*	*	*	*	*	*	*	0	2	0	0	15
19	*	*	*	*	*	*	*	0	4	0	0	4
20	*	*	*	0.3	*	*	*	0	1	0	0	4
21	*	*	*	*	*	*	*	0	3	0	0	4
22	*	*	*	*	*	*	*	0	0	0	1	8
23	*	*	*	*	*	*	*	0	0	0	1	12
24	*	*	*	*	*	*	*	0	0	0	1	4
25	*	*	*	*	*	*	*	0	0	0	2	4
26	*	*	*	*	*	*	*	0	0	0	0	4
27	*	*	*	*	*	*	*	0	0	0	0	4
28	*	*	*	*	*	*	*	0	0	0	1	16
29	*	*	*	*	–	*	.3	0	0	0	1	18
30	*	*	*	*	–	*	*	1	0	0	1	20
31	*	–	*	*	–	*	–	0	–	0	1	–
Mean	*	*	*	*	*	*	*	0.3	1	1	1	6
Max.	*	*	*	*	*	*	*	1	5	5	14	20
Min.	*	*	*	*	*	*	*	0	0	0	0	1
A. F.	†25	†25	†20	†20	†18	†20	†15	20	93	65	77	352

Total acre-feet 750.
*No record.
†Estimated.

ELKHORN RIVER AT NELIGH—Sec. 20-25-6 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	46	84	111	188	164	154	195	310	125	159	56	35
2	55	84	119	183	178	153	186	305	234	145	54	40
3	60	84	122	157	174	154	193	320	232	143	55	45
4	57	85	125	185	166	133	191	300	180	134	52	52
5	54	84	127	213	193	154	189	293	166	133	48	73
6	79	86	123	181	182	153	187	254	154	133	47	59
7	87	87	118	164	184	158	197	228	145	123	49	56
8	76	87	122	155	296	180	274	206	132	118	47	58
9	71	93	125	166	243	308	353	195	137	111	46	58
10	69	65	125	174	166	222	369	193	142	119	46	59
11	66	38	123	189	177	191	369	187	151	129	43	55
12	65	36	119	193	184	173	364	178	145	120	39	52
13	64	37	76	189	170	159	343	170	151	134	36	57
14	64	39	84	181	115	173	332	163	154	136	37	64
15	65	41	91	163	146	200	279	156	148	127	34	70
16	67	48	90	143	187	184	254	156	139	118	34	86
17	67	62	82	161	159	163	234	156	130	113	44	73
18	67	80	78	146	144	178	230	146	133	109	54	68
19	70	123	85	131	93	189	248	145	118	102	55	64
20	69	142	95	112	92	204	330	161	108	93	55	61
21	71	123	110	109	101	216	478	158	100	87	57	59
22	73	121	120	113	118	216	545	150	126	87	60	64
23	71	116	128	109	131	226	567	145	232	82	52	73
24	72	112	136	104	126	222	508	142	170	75	52	85
25	75	104	154	101	131	216	472	137	137	67	50	89
26	76	97	169	105	143	216	422	129	130	63	48	85
27	76	87	184	105	163	214	369	134	146	62	49	80
28	92	82	195	108	159	206	320	150	175	64	47	79
29	93	101	198	119	___	199	284	133	338	61	45	86
30	87	114	189	130	___	197	270	123	197	59	42	109
31	85	___	181	145	___	197	___	122	___	62	38	___
Mean	71	85	126	149	160	191	318	185	159	105	48	66
Max.	93	142	198	213	296	308	567	320	338	159	60	109
Min.	46	36	76	101	92	133	186	122	100	59	34	35
A. F.	4340	5040	7740	9170	8900	11720	18950	11400	9470	6480	2920	3960

Total acre-feet 100100.

ELKHORN RIVER AT WATERLOO—Sec. 21-16-10 E.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	192	343	284	394	417	702	708	1030	466	621	271	127
2	192	350	215	386	424	690	696	964	508	638	294	148
3	209	336	176	406	435	690	714	927	720	588	298	179
4	196	331	206	417	431	700	708	964	1010	539	257	198
5	185	326	284	412	473	800	708	950	1970	481	254	275
6	188	317	329	398	470	1200	720	1010	1920	450	244	244
7	185	312	331	370	477	1450	752	920	1370	425	220	237
8	246	330	336	328	592	1670	771	830	1090	401	214	195
9	256	369	352	346	688	1610	857	791	964	391	204	201
10	242	320	359	391	689	3080	1280	746	850	406	195	471
11	246	200	329	457	688	2510	1520	714	791	502	185	254
12	234	78	338	500	818	1920	1510	684	920	502	188	192
13	230	85	336	522	1750	1580	1400	672	1090	626	179	173
14	225	98	279	531	2420	1340	1330	654	797	529	167	224
15	221	134	252	523	2440	1200	1340	638	714	817	159	1750
16	217	132	233	523	1910	1120	1270	632	660	899	153	2010
17	217	140	248	404	2200	979	1120	621	632	599	148	2820
18	230	208	231	431	2130	987	1060	593	604	545	151	1940
19	225	288	233	507	1660	1100	1020	572	572	502	282	1520
20	225	322	240	466	1270	1210	1460	572	550	440	244	1110
21	234	364	276	387	972	1190	1950	643	524	396	234	797
22	230	376	323	338	765	1140	1790	1210	497	401	188	599
23	242	376	362	367	746	1040	1700	1260	797	387	176	492
24	238	376	391	397	758	950	1560	1100	817	355	176	445
25	251	381	394	403	666	906	1450	739	1070	338	170	461
26	255	386	397	407	702	837	1380	599	1060	317	167	430
27	259	354	405	428	733	824	1300	545	804	301	165	387
28	294	293	409	431	708	804	1200	513	720	294	148	368
29	355	283	424	421	___	765	1120	492	678	290	153	359
30	399	321	427	400	___	739	1060	471	666	286	145	359
31	389	___	408	390	___	720	___	461	___	268	132	___
Mean	242	284	316	422	1015	1176	1182	759	861	469	199	632
Max.	399	386	427	531	2440	3080	1950	1260	1970	899	298	2820
Min.	185	78	176	328	417	690	696	461	466	268	132	127
A. F.	14890	16920	19450	25930	56390	72300	70320	46650	51240	28830	12220	37620

Total acre-feet 452800.

ELM CREEK—Sec. 33-9-18 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1	0	0	0	4	1	8	87	0	3	0
2	0	1	0	0	0	2	3	7	121	0	0	85
3	0	1	0	0	0	2	5	2	50	0	0	11
4	0	1	0	0	0	1	5	16	25	0	1	8
5	0	1	0	0	0	0	3	21	5	0	0	5
6	0	0	0	0	0	0	2	10	2	0	0	4
7	0	0	1	0	0	0	1	1	2	0	0	7
8	0	0	1	0	0	0	1	3	3	0	0	4
9	0	0	1	0	0	0	1	4	24	10	0	1
10	0	0	1	0	0	0	1	8	104	0	0	0
11	1	0	2	0	0	0	1	2	43	0	0	1
12	1	0	2	0	0	0	1	1	2	0	0	1
13	1	0	2	0	0	0	2	1	5	4	0	1
14	1	0	3	0	0	0	2	5	2	22	0	0
15	1	0	3	0	0	0	3	2	0	21	0	5
16	1	0	3	0	0	0	3	1	0	12	0	3
17	1	0	2	0	0	0	6	4	0	0	0	3
18	1	0	1	0	0	0	8	4	0	0	0	0
19	1	0	1	0	0	0	8	1	0	0	0	0
20	1	0	1	0	1	0	10	59	0	0	0	2
21	1	0	0	0	2	0	10	51	7	2	0	0
22	0	0	0	0	2	0	8	7	113	0	0	0
23	0	0	0	0	3	1	8	5	31	2	0	0
24	0	0	0	1	2	2	6	3	7	3	0	21
25	0	0	0	1	3	2	6	2	3	0	0	62
26	0	1	0	1	4	2	4	1	101	0	0	14
27	0	1	0	2	8	1	4	0	21	0	0	1
28	0	1	0	1	10	0	2	0	6	6	0	0
29	0	1	0	1	—	0	2	0	3	0	0	0
30	1	0	0	0	—	0	10	0	0	10	0	0
31	1	—	0	0	—	0	—	0	—	17	0	—
Mean	0.5	0.3	1	0.2	1	0.6	4	7	22	3	0.1	7
Max.	1	1	3	2	10	2	10	59	121	22	3	85
Min.	0	0	0	0	0	0	1	0	0	0	0	0
A. F.	26	18	48	14	69	34	252	454	1521	196	8	474

Total acre-feet 3114.

FAIRFIELD SEEP—Sec. 18-21-53 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	1	2	2	2	3
2	*	*	*	*	*	*	*	1	2	2	2	3
3	*	*	*	*	*	*	*	1	2	2	2	3
4	*	*	*	*	*	*	*	1	2	2	2	3
5	*	*	*	*	*	*	*	1	2	2	2	3
6	*	0.2	*	*	0.1	0.6	*	1	2	2	2	3
7	*	*	*	*	*	*	*	1	2	2	2	3
8	*	*	*	*	*	*	*	1	2	2	2	3
9	*	*	*	0	*	*	*	1	2	2	2	2
10	*	*	*	*	*	*	*	1	2	2	2	2
11	*	*	*	*	*	*	*	1	2	2	2	2
12	*	*	*	*	*	*	*	1	2	2	2	2
13	*	*	*	*	*	*	*	1	2	2	2	2
14	0.7	*	*	*	*	*	*	1	2	2	2	2
15	*	*	*	*	*	*	*	1	2	2	2	2
16	*	*	*	*	*	*	2	1	2	2	2	2
17	*	*	*	*	*	*	*	1	2	2	2	2
18	*	*	*	*	.3	.2	*	1	2	2	2	2
19	*	*	*	*	*	*	*	1	2	2	2	2
20	*	*	*	*	*	*	*	1	2	2	2	2
21	*	*	*	0	*	*	*	2	2	2	2	2
22	*	*	*	*	*	*	*	2	2	2	3	2
23	*	*	*	*	*	*	*	2	2	2	3	2
24	*	*	*	*	*	*	*	2	2	2	3	5
25	*	*	*	*	*	*	*	2	2	2	3	5
26	*	*	*	*	*	*	*	2	2	2	3	5
27	*	*	*	*	*	*	*	2	2	2	3	5
28	*	*	*	*	*	*	*	2	2	2	3	5
29	*	*	*	*	—	*	1	2	2	2	3	5
30	*	*	*	*	—	*	*	2	2	2	3	5
31	*	—	*	*	—	*	—	2	—	2	3	—
Mean	*	*	*	*	*	*	*	1	2	2	2	3
Max.	*	*	*	*	*	*	*	2	2	2	3	5
Min.	*	*	*	*	*	*	*	1	2	2	2	2
A. F.	†45	†10	†0	†0	†10	†20	†80	80	120	122	187	176

Total acre-feet 850.
*No record.
†Estimated.

FANNING SEEP—Sec. 28-23-56 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	2	2	2	2	2
2	*	*	*	*	*	*	*	2	2	2	2	2
3	*	*	*	*	*	*	*	2	2	2	2	2
4	*	*	*	*	*	2	*	2	2	2	2	2
5	*	*	*	*	*	*	*	2	2	2	2	2
6	*	*	*	*	3	*	*	2	2	2	2	2
7	*	2	*	*	*	*	*	2	2	2	2	2
8	*	*	*	*	*	*	*	2	2	2	2	2
9	*	*	*	2	*	*	*	2	2	2	2	2
10	*	*	*	*	*	*	*	2	2	2	2	2
11	*	*	*	*	*	*	*	2	2	2	2	3
12	*	*	*	*	*	*	*	2	2	2	2	3
13	*	*	*	*	*	*	*	2	2	2	2	3
14	*	*	*	*	*	*	*	2	2	2	2	3
15	3	*	*	*	*	*	*	2	2	2	2	3
16	*	*	*	*	*	*	2	2	2	2	2	3
17	*	*	*	*	*	*	*	2	2	2	2	3
18	*	*	*	*	2	*	*	2	3	2	2	3
19	*	*	*	*	*	2	*	2	3	2	2	3
20	*	*	*	*	*	*	*	2	3	2	2	3
21	*	*	*	*	*	*	*	2	3	2	2	3
22	*	*	*	*	*	*	*	2	2	2	2	3
23	*	*	*	4	*	*	*	2	2	2	2	3
24	*	*	*	*	*	*	*	2	2	2	2	3
25	*	*	*	*	*	*	*	2	2	2	2	3
26	*	*	*	*	*	*	*	2	2	2	2	3
27	*	*	*	*	*	*	*	2	2	2	2	3
28	*	*	*	*	*	*	*	2	2	2	2	3
29	*	*	*	*		*	*	2	2	2	2	3
30	*	*	*	*		*	2	2	2	2	2	3
31	*		*	*		*		2		2	2	
Mean	*	*	*	*	*	*	*	2	2	2	2	3
Max.	*	*	*	*	*	*	*	2	3	2	2	3
Min.	*	*	*	*	*	*	*	2	2	2	2	2
A. F.	†170	†120	†120	†160	†130	†120	†120	123	127	123	123	159

Total acre-feet 1595.
*No record.
†Estimated.

FRENCHMAN RIVER BELOW CHAMPION—Sec. 22-6-39 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	42	52	52	56	27	40	50	35	32	31	37
2	*	42	54	52	58	24	51	42	42	25	21	27
3	*	42	54	51	58	40	54	48	40	34	9	37
4	*	42	50	49	57	35	42	33	39	12	27	29
5	*	42	52	57	35	39	45	49	66	29	31	35
6	*	41	52	45	37	44	47	43	48	39	21	42
7	*	40	56	54	32	40	44	39	46	37	35	40
8	*	39	46	43	37	37	58	46	36	17	27	46
9	*	35	57	54	26	26	52	31	51	27	37	31
10	*	28	46	40	38	37	51	56	51	27	29	37
11	*	26	53	47	27	20	48	53	42	27	38	26
12	*	30	51	51	33	34	59	60	50	39	42	36
13	*	36	44	44	39	23	51	46	50	28	31	34
14	*	34	51	48	21	22	57	47	34	37	46	28
15	*	36	56	59	33	25	57	44	29	44	47	35
16	*	36	55	36	16	22	51	41	47	48	54	22
17	*	27	56	34	38	34	42	47	32	56	47	31
18	*	38	50	32	45	29	67	32	16	57	59	23
19	*	30	57	50	30	38	86	37	21	61	45	23
20	*	46	55	51	32	31	85	35	18	53	45	27
21	*	48	54	50	38	36	60	32	28	43	51	12
22	*	51	49	45	20	40	69	28	17	41	41	40
23	*	50	56	40	22	28	56	23	29	31	35	42
24	*	47	56	51	27	39	48	31	22	34	44	53
25	*	52	52	40	24	41	44	24	37	21	49	53
26	*	49	53	44	27	27	39	33	32	26	31	51
27	*	50	54	53	32	37	35	30	29	15	32	54
28	*	56	52	55	22	38	41	26	22	30	38	36
29	*	46	52	56	---	41	37	25	10	34	34	46
30	*	54	53	74	---	40	38	31	28	18	32	50
31	*	---	51	63	---	41	---	38	---	21	21	---
Mean	†42	41	52	49	34	33	52	39	35	34	37	36
Max.	---	56	57	74	58	44	86	60	66	61	59	54
Min.	---	26	44	32	16	20	35	23	10	12	9	12
A. F.	†2580	2450	3230	3010	1900	2050	3080	2380	2080	2070	2240	2150

Total acre-feet 29220.
*No record.

FRENCHMAN RIVER, HARVEY DAM SITE—Sec. 3-5-38 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	70	71	75	90	55	76	70	61	52	55	51
2	*	70	69	81	84	58	77	72	62	57	59	57
3	*	70	73	80	82	56	84	72	54	52	52	65
4	*	70	77	82	74	59	77	76	60	58	48	62
5	*	70	75	78	86	56	78	72	63	47	49	56
6	*	70	74	77	75	58	78	73	72	57	57	63
7	*	70	73	78	75	65	66	72	66	59	57	65
8	*	70	70	75	72	62	76	72	67	57	62	70
9	*	70	79	79	70	65	89	74	67	48	57	67
10	*	70	66	77	68	61	77	72	65	48	57	57
11	*	70	69	79	70	60	77	78	67	48	57	62
12	*	69	74	70	69	60	86	80	66	60	61	57
13	*	72	74	70	68	62	83	80	63	64	60	57
14	*	78	72	75	63	64	77	74	62	55	56	55
15	*	69	78	74	56	60	81	75	62	65	70	57
16	*	71	75	71	63	66	72	72	63	64	75	55
17	68	60	80	75	57	55	71	68	62	68	76	51
18	*	63	77	75	61	61	81	68	55	71	71	56
19	*	63	77	75	67	70	99	72	46	71	72	56
20	*	66	78	78	63	70	98	70	47	75	67	52
21	*	68	73	75	53	72	94	64	35	75	67	54
22	*	73	72	76	66	70	84	62	55	67	65	57
23	*	71	88	78	68	75	86	59	48	60	49	68
24	*	69	86	80	60	71	79	57	44	50	78	75
25	*	81	97	81	58	70	74	55	32	52	70	78
26	*	76	75	75	59	75	70	52	62	50	69	79
27	*	76	80	72	57	70	72	53	55	60	60	79
28	*	73	78	75	56	72	71	60	55	51	64	78
29	*	72	80	80	—	70	72	50	52	57	59	70
30	*	73	78	119	—	79	72	55	48	67	62	74
31	*	—	76	105	—	73	—	55	—	57	61	—
Mean	†70	70	76	79	68	65	79	67	57	59	62	63
Max.	—	81	97	119	90	79	99	80	72	75	78	79
Min.	—	60	66	70	53	55	66	50	32	47	48	51
A. F.	†4300	4190	4690	4840	3750	4010	4710	4130	3400	3610	3810	3730

Total acre-feet 49170.
*No record.
†Estimated.

FRENCHMAN RIVER NEAR HAMLET—Sec. 29-5-34 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	99	87	99	111	150	99	102	149	91	78	80	106
2	96	91	97	108	132	99	104	126	144	85	78	76
3	89	89	99	107	123	94	106	120	115	86	72	72
4	80	86	101	106	125	99	107	127	102	84	76	75
5	82	86	103	103	128	96	112	118	99	80	77	77
6	81	89	104	103	117	99	102	116	111	81	77	78
7	93	80	98	107	122	98	103	111	107	74	78	73
8	83	78	105	111	118	101	103	111	113	81	78	77
9	84	78	103	106	116	106	92	114	564	78	78	82
10	83	76	99	104	111	101	111	113	323	75	74	85
11	82	81	106	104	111	103	109	111	125	206	72	82
12	84	78	105	105	107	97	110	111	111	568	70	75
13	84	86	96	106	107	95	142	113	106	190	72	80
14	83	73	66	101	105	95	124	119	103	107	74	72
15	85	83	73	107	104	95	116	110	106	91	70	75
16	81	98	98	107	102	94	118	110	146	88	70	76
17	91	90	107	107	99	89	118	110	105	87	70	71
18	86	89	118	104	104	97	138	106	99	85	70	73
19	86	86	125	109	99	84	125	106	97	84	74	71
20	84	89	130	107	99	96	138	198	90	115	115	71
21	82	86	133	105	105	96	148	138	140	110	93	73
22	84	84	135	111	101	97	144	118	147	102	88	73
23	87	89	118	110	100	101	131	111	89	94	88	78
24	88	93	111	107	98	98	130	106	89	90	87	90
25	86	94	112	106	104	104	121	99	78	84	80	84
26	87	94	111	105	100	99	115	99	76	80	92	95
27	88	97	107	103	99	102	111	111	75	76	87	98
28	87	96	109	100	97	101	106	92	84	72	88	99
29	89	98	110	110	—	97	111	93	84	98	84	105
30	86	98	107	157	—	99	162	97	79	86	84	103
31	87	—	106	135	—	99	—	87	—	82	75	—
Mean	86	87	106	109	110	98	119	115	127	110	80	82
Max.	99	98	135	157	150	106	162	198	564	568	115	106
Min.	80	73	66	100	97	84	92	87	75	72	70	71
A. F.	5290	5200	6530	6690	6120	6010	7060	7040	7530	6740	4900	4850

Total acre-feet 73960.

FRENCHMAN RIVER AT CULBERTSON—Sec. 17-3-31 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54	57	161	183	242	172	168	283	65	82	52	29
2	76	57	161	183	248	174	175	200	351	74	46	144
3	81	58	156	181	246	174	179	183	214	81	46	72
4	87	64	152	183	218	168	186	183	165	93	46	39
5	86	66	163	181	220	168	190	179	145	87	38	33
6	81	57	161	181	206	166	192	177	218	81	36	27
7	86	56	163	177	202	172	188	172	152	81	34	28
8	99	57	174	170	198	170	181	156	110	80	26	30
9	110	56	165	172	194	172	172	149	254	81	20	25
10	108	58	168	177	192	172	166	150	525	54	23	26
11	107	80	172	177	190	174	168	149	400	66	24	26
12	107	70	181	174	190	168	168	138	264	215	26	30
13	108	70	170	177	186	168	186	128	194	572	27	26
14	108	80	160	179	184	165	206	123	184	252	24	27
15	107	90	180	177	179	159	183	113	157	181	20	30
16	104	120	200	177	174	163	183	107	165	145	23	31
17	99	250	230	179	170	163	177	100	166	126	24	29
18	99	256	250	174	170	156	184	100	133	105	24	28
19	93	161	250	166	168	159	220	100	121	104	25	25
20	88	147	250	168	172	157	208	144	105	92	27	23
21	90	147	260	177	168	161	220	214	104	107	115	30
22	88	144	270	175	163	165	220	165	130	94	38	81
23	88	144	280	177	163	165	212	161	140	82	31	76
24	84	137	290	183	168	163	208	149	112	76	32	130
25	81	156	300	179	168	168	204	147	116	66	31	90
26	81	157	310	181	165	172	188	128	118	54	28	98
27	88	156	327	174	165	175	181	98	98	53	28	113
28	86	159	183	177	166	175	166	110	90	56	29	115
29	86	157	179	183	—	177	165	102	88	56	30	128
30	78	156	183	198	—	175	165	74	93	84	25	132
31	71	—	183	268	—	175	—	68	—	58	25	—
Mean	91	114	207	181	188	168	187	144	173	111	33	67
Max.	110	256	327	268	248	177	220	283	525	572	115	144
Min.	54	56	152	166	163	156	165	68	65	53	20	23
A. F.	5570	6790	12760	11120	10460	10340	11130	8830	10270	6820	2030	3410

Total acre-feet 99530.

GERING DRAIN NEAR GERING—Sec. 6-21-54 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	20	20	19	18	17	17	18	24	37	34	34
2	18	21	20	19	18	17	18	18	21	32	33	34
3	18	21	20	19	17	17	18	18	38	56	33	33
4	17	21	20	18	18	16	17	22	20	50	32	29
5	18	20	20	19	18	17	17	20	21	35	31	31
6	18	21	20	18	18	16	19	25	20	55	32	34
7	18	21	20	18	17	16	20	26	20	61	31	33
8	18	22	20	18	17	16	41	21	42	56	29	32
9	18	23	20	18	17	17	64	22	274	42	31	37
10	18	22	19	18	18	17	28	22	78	31	32	40
11	53	22	19	18	18	16	39	31	39	30	33	37
12	49	22	19	18	18	16	40	25	39	58	32	38
13	45	21	19	18	17	16	44	22	43	39	32	39
14	36	23	19	18	17	17	44	22	31	33	30	39
15	42	22	19	18	18	17	46	64	27	56	29	38
16	42	23	20	18	18	17	39	46	27	50	35	38
17	42	23	20	18	18	17	31	24	25	53	33	38
18	40	46	20	18	18	17	18	24	25	48	35	38
19	38	62	20	18	18	16	17	24	25	40	36	39
20	25	106	20	19	18	16	17	24	25	30	36	37
21	17	89	20	19	18	17	17	24	24	29	36	35
22	18	58	20	20	18	17	17	24	24	30	38	39
23	17	63	20	20	18	17	17	24	27	30	41	37
24	18	70	20	20	18	17	17	24	53	28	34	35
25	18	63	20	20	17	17	17	24	27	27	35	35
26	19	83	19	19	17	18	16	23	43	28	35	34
27	20	23	19	19	17	18	18	23	26	33	35	34
28	20	21	19	19	17	17	18	23	29	31	37	33
29	21	20	19	18	—	17	18	23	29	32	34	46
30	21	20	19	17	—	17	18	22	31	30	34	59
31	20	—	19	18	—	17	—	22	—	34	34	—
Mean	26	36	20	18	17	17	26	25	39	39	34	37
Max.	53	106	20	20	18	18	64	64	274	61	41	59
Min.	17	20	19	17	17	16	16	18	20	27	29	29
A. F.	1590	2170	1210	1140	980	1030	1520	1540	2330	2430	2070	2190

Total acre-feet 20200.

HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	56	18	19	17	15	14	12	11	9.9	35	36	44
2	37	18	16	14	15	13	7.5	14	6.8	39	40	43
3	30	18	14	17	14	12	11	18	6.3	44	40	45
4	25	17	18	18	14	13	9.9	12	6	118	39	48
5	24	16	16	17	13	13	8.5	8.9	7.5	89	39	47
6	24	18	18	12	15	8.9	16	7.2	12	38	37	47
7	23	16	18	11	14	7.7	10	6.8	12	37	36	49
8	24	16	20	11	15	7.5	7.7	8	50	41	36	50
9	24	14	20	12	16	11	6.3	9.9	398	35	35	49
10	22	10	18	13	15	9.6	6.3	12	798	33	37	46
11	22	3	16	13	14	7.5	7	13	356	36	37	48
12	21	4	12	14	15	4.4	7.5	13	156	111	38	47
13	22	6.5	11	13	14	3.9	7.5	9.6	73	177	42	48
14	30	7	9	14	13	4.8	14	13	53	128	42	58
15	32	8.2	9.5	15	12	5.6	13	16	46	93	39	54
16	34	12	10	15	12	5.1	15	17	46	73	49	53
17	31	14	11	14	12	5.8	12	22	38	73	60	52
18	28	15	12	16	12	6.5	11	28	32	79	63	54
19	26	16	13	16	12	6.3	11	22	30	78	76	53
20	24	15	14	15	15	6.3	11	20	28	45	58	53
21	22	13	15	16	11	5.8	11	16	26	41	56	48
22	22	14	16	14	8.2	6.5	9.6	17	23	36	58	64
23	22	13	18	14	13	6.8	9.2	30	29	35	71	114
24	23	10	20	16	9.9	4.4	5.6	15	22	30	52	85
25	22	11	18	17	12	6.8	4.6	13	22	29	50	69
26	20	13	18	18	12	8.2	3.6	12	22	29	47	98
27	19	12	16	14	13	9.6	5.3	11	22	31	49	98
28	19	16	18	14	13	11	14	8.9	45	29	49	85
29	19	16	17	14	—	9.6	8	9.6	30	30	47	74
30	18	16	18	16	—	9.2	7	15	30	30	44	72
31	18	—	17	15	—	11	—	8.2	—	36	43	—
Mean	25.3	13.2	13.2	14.7	13.2	8.2	9.4	14.1	81.2	56.7	46.6	59.8
Max.	56	18	20	18	16	14	16	30	798	177	76	114
Min.	18	3	9	11	8.2	3.9	3.6	6.8	6	29	35	43
A. F.	1550	785	963	902	732	505	560	867	4830	3490	2870	3560

Total acre-feet 21610.

INDIAN CREEK—Sec. 19-20-50 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	2	2	2	2	2	2	1	1	2	2	5
2	2	2	2	2	2	2	2	1	0	2	2	5
3	2	2	2	2	2	2	2	1	0	1	2	5
4	2	2	2	2	2	2	2	1	0	1	2	5
5	2	2	2	2	2	2	2	1	0	1	2	5
6	2	2	2	2	2	2	2	1	0	1	1	5
7	2	2	2	2	2	2	2	1	0	1	2	5
8	2	2	2	2	2	2	2	1	0	1	2	6
9	2	2	2	2	2	2	2	1	0	1	3	6
10	2	2	2	2	2	2	2	1	1	1	3	6
11	2	2	2	2	2	2	2	1	1	1	3	5
12	2	2	2	2	2	2	2	1	2	1	3	5
13	2	2	2	2	2	2	2	1	1	1	3	5
14	2	2	2	2	2	2	2	1	1	1	2	5
15	2	2	2	2	2	2	2	1	2	1	1	5
16	2	2	2	2	2	2	2	2	2	1	1	5
17	2	2	2	2	2	2	2	1	2	1	3	5
18	2	2	2	2	2	2	2	1	2	1	3	5
19	2	2	2	2	2	2	2	1	2	1	2	5
20	2	2	2	2	2	2	2	1	1	2	3	5
21	2	2	2	2	2	2	2	1	1	1	3	5
22	2	2	2	2	2	2	2	1	1	1	3	5
23	2	2	2	2	2	2	2	1	1	2	3	6
24	2	2	2	2	2	2	1	1	1	2	3	5
25	2	2	2	2	2	2	1	1	0	1	4	5
26	2	2	2	2	2	2	1	1	1	2	4	6
27	2	2	2	2	2	2	1	1	1	2	5	7
28	2	2	2	2	2	2	1	1	1	2	5	7
29	2	2	2	2	–	2	1	1	2	2	4	7
30	2	2	2	2	–	2	1	1	1	2	4	7
31	2	–	2	2	–	2	–	1	–	2	4	–
Mean	2	2	2	2	2	2	2	1	1	1	3	5
Max.	2	2	2	2	2	2	2	2	2	2	5	7
Min.	2	2	2	2	2	2	1	1	0	1	1	5
A. F.	123	119	123	123	111	123	105	63	56	83	172	323

Total acre-feet 1534.

LANE DRAIN—Sec. 30-23-57 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	1	1	2	2	2
2	*	*	*	*	*	*	*	1	1	2	2	2
3	*	*	*	*	*	*	*	1	1	2	2	2
4	*	*	*	*	*	*	*	1	1	2	2	2
5	*	*	*	*	0.5	0.5	*	1	1	2	3	2
6	*	*	*	*	*	*	*	1	2	2	3	2
7	*	*	*	*	*	*	*	1	2	2	3	2
8	*	*	*	*	*	*	*	1	2	2	3	2
9	*	*	*	*	*	*	*	1	2	2	3	2
10	0.5	*	*	*	*	*	*	1	2	2	3	2
11	*	*	*	*	*	*	*	1	2	2	3	2
12	*	*	*	*	*	*	*	1	2	2	3	2
13	*	*	*	*	*	*	*	1	2	2	3	2
14	*	*	*	*	*	*	*	1	2	2	2	2
15	*	*	*	*	*	*	*	1	2	2	2	2
16	*	*	*	*	*	*	0.3	1	2	2	2	2
17	*	*	*	*	*	*	*	1	2	2	2	2
18	*	*	*	*	*	*	*	1	2	2	2	2
19	*	*	*	*	.5	.5	*	1	2	2	2	2
20	*	*	*	*	*	*	*	1	2	2	2	2
21	*	*	*	*	*	*	*	1	2	2	2	2
22	*	*	*	0.5	*	*	*	1	2	2	2	2
23	*	*	*	*	*	*	*	1	2	2	2	2
24	*	*	*	*	*	*	*	1	2	2	2	2
25	*	*	*	*	*	*	*	1	2	2	2	2
26	*	*	*	*	*	*	*	1	2	2	2	2
27	*	*	*	*	*	*	*	1	2	2	2	2
28	*	*	*	*	*	*	*	1	2	2	2	2
29	*	*	*	*	_	*	*	1	2	2	2	2
30	*	*	*	*	_	*	*	1	2	2	2	2
31	*	_	*	*	_	*	_	1	_	2	2	_
Mean	*	*	*	*	*	*	*	1	2	2	2	2
Max.	*	*	*	*	*	*	*	1	2	2	3	2
Min.	*	*	*	*	*	*	*	1	1	2	2	2
A. F	†30	†30	†25	†25	†30	†35	†20	62	108	123	141	119

Total acre-feet 748.
*No record.
†Estimated.

LINCOLN COUNTY DRAIN NO. 1—Sec. 30-14-30 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	30	34	36	31	44
2	*	*	*	*	*	*	*	33	41	33	28	48
3	52	*	*	*	*	*	*	33	44	48	28	48
4	*	*	*	*	*	*	*	34	44	31	28	48
5	*	*	*	*	*	*	*	33	53	30	34	40
6	*	*	*	36	*	*	*	33	55	27	34	38
7	*	*	*	*	34	*	32	33	57	28	34	38
8	*	*	*	*	*	34	*	33	53	27	34	38
9	*	*	*	*	*	*	*	32	62	28	34	38
10	*	*	*	*	*	*	*	32	62	35	41	38
11	*	*	38	*	*	*	*	32	57	50	41	38
12	*	*	*	*	*	*	*	30	48	46	34	38
13	*	*	*	*	*	*	*	30	44	35	42	41
14	*	*	*	*	*	*	16	29	44	35	34	45
15	*	*	*	*	*	*	*	27	48	31	34	45
16	*	*	*	*	*	*	*	31	46	35	44	45
17	*	*	*	*	*	*	*	35	46	35	45	45
18	*	*	*	*	*	*	*	34	46	35	45	45
19	*	*	*	*	*	30	*	34	48	35	41	50
20	*	*	*	*	35	*	*	34	48	33	41	54
21	*	*	*	*	*	*	*	34	53	31	49	54
22	*	*	*	*	*	*	*	34	67	31	49	54
23	*	*	*	*	*	*	*	33	67	33	51	60
24	*	*	*	*	*	*	32	53	64	35	49	72
25	*	*	*	*	*	*	*	48	62	35	48	67
26	50	*	*	*	*	*	*	42	63	33	49	67
27	*	*	*	*	*	*	*	48	64	42	40	64
28	*	*	*	*	*	*	*	32	67	50	40	62
29	*	*	*	*	_	*	*	30	33	35	40	62
30	*	*	*	*	_	*	*	34	34	42	43	67
31	*	_	*	*	_	*	_	34	_	35	46	_
Mean	*	*	*	*	*	*	*	34	52	35	40	48
Max.	*	*	*	*	*	*	*	53	67	50	51	67
Min.	*	*	*	*	*	*	*	27	33	27	28	38
A. F.	†3130	†2480	†2140	†2000	†1880	†2000	†1600	2110	3080	2170	2440	2960

Total acre-feet 27990.
*No record.
†Estimated.

LINCOLN COUNTY DRAIN NO. 2—Sec. 12-14-33 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	3	3	2	3	3
2	*	*	*	*	*	*	*	3	3	2	3	3
3	*	*	*	*	*	*	*	3	3	2	3	2
4	*	*	*	*	*	*	*	3	3	2	3	2
5	*	*	*	*	*	*	*	3	4	2	2	2
6	*	*	*	*	*	*	*	3	4	2	2	2
7	*	*	*	*	*	*	*	3	4	2	2	2
8	*	*	*	*	*	2	*	3	3	2	2	2
9	*	*	*	*	*	*	2	3	3	2	2	2
10	*	*	3	*	*	*	*	3	3	2	2	2
11	*	*	*	*	*	*	*	2	3	2	1	2
12	*	*	*	*	*	*	*	2	2	2	1	2
13	*	*	*	*	*	*	*	2	2	2	1	2
14	*	*	*	*	*	*	*	2	2	2	1	2
15	*	*	*	*	*	*	*	2	2	2	1	2
16	*	*	*	*	*	*	*	3	2	2	1	3
17	*	*	*	*	*	*	*	3	2	2	1	3
18	*	*	*	*	*	*	*	3	2	2	1	3
19	*	*	*	*	*	*	*	3	2	2	2	3
20	*	*	*	*	*	*	*	2	3	2	2	3
21	*	*	*	*	*	*	*	2	3	2	2	3
22	*	*	*	*	*	*	*	2	3	2	2	3
23	*	*	*	*	*	*	*	2	3	3	2	3
24	*	*	*	2	*	*	*	2	3	3	2	4
25	*	*	*	*	*	*	*	2	3	3	2	4
26	*	*	*	*	*	*	*	2	4	3	3	5
27	*	*	*	*	*	*	*	3	4	3	3	5
28	*	*	*	*	*	*	*	3	5	3	3	5
29	*	*	*	*	—	*	*	3	5	3	3	4
30	*	*	*	*	—	*	*	3	4	3	3	6
31	*	—	*	*	—	*	—	3	—	3	3	—
Mean	*	*	*	*	*	*	*	3	3	2	2	3
Max.	*	*	*	*	*	*	*	3	5	3	3	6
Min.	*	*	*	*	*	*	*	2	2	2	1	2
A. F.	†130	†150	†120	†100	†90	†120	†130	160	176	140	128	176

Total acre-feet 1620.
*No record.
†Estimated.

LODGEPOLE CREEK AT BUSHNELL—Sec. 33-15-57 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	10	11	11	13	13	13	13	9.6	11	6.9	7.1
2	10	10	11	9.8	13	13	14	13	9.4	11	7.1	7.3
3	9.6	11	11	9.4	13	13	15	13	9.4	11	6.9	7.3
4	9.6	11	12	10	14	12	15	13	9.8	11	6.9	7.1
5	9.4	10	11	10	12	13	14	12	20	11	6.9	7.5
6	9.8	11	11	11	11	12	13	12	13	11	6.7	6.9
7	9.8	11	10	11	11	12	13	11	30	9.8	6.9	6.7
8	9.6	11	12	11	12	13	12	11	37	10	7.1	7.3
9	9.6	12	11	11	12	12	12	11	102	16	7.1	7.9
10	9.6	11	11	11	13	11	13	14	287	9	6.9	7.5
11	9.6	9.6	11	11	12	13	13	14	161	8.6	7.1	7.3
12	9.6	10	8.6	11	13	13	12	13	70	8.8	7.7	7.3
13	9.6	9.4	8.3	11	12	13	14	13	39	9	7.5	7.3
14	9.4	9.4	9.8	11	13	14	15	12	29	8.6	7.5	7.3
15	9.4	10	9.6	11	12	13	12	10	28	8.3	7.9	7.3
16	9.4	11	9.4	11	13	14	13	9.8	21	8.3	7.3	7.5
17	9.4	11	9.4	11	12	14	13	9.6	20	8.1	7.1	7.7
18	9.6	11	9.8	11	13	14	15	9.4	18	7.9	7.3	7.9
19	9.6	11	10	11	13	14	16	9.4	19	7.9	7.9	7.9
20	9.6	10	11	12	11	13	15	10	16	7.5	8.6	8.1
21	9.6	10	11	12	14	13	14	12	16	7.5	8.3	8.1
22	10	11	12	12	13	14	14	9.6	14	7.3	8.1	9.2
23	10	11	12	11	14	14	13	9.4	14	7.1	7.9	10
24	10	11	12	11	13	12	13	9.4	13	7.1	7.7	9.6
25	11	11	11	11	11	15	12	9.4	13	6.9	7.7	9.4
26	11	11	11	11	13	15	12	9.4	13	6.9	8.3	9.2
27	11	11	11	11	13	15	12	9.4	12	7.1	7.9	9
28	11	11	11	13	14	15	13	9.4	12	6.9	7.7	9.2
29	11	11	11	13	—	15	13	9.2	12	6.7	7.3	9.2
30	10	10	11	13	—	14	14	9.2	12	6.7	7.1	9.4
31	10	—	12	13	—	14	—	9.4	—	6.7	7.1	—
Mean	9.9	10.6	10.7	11.2	12.6	13.4	13.4	10.9	35.8	8.7	7.4	8
Max.	12	12	12	13	14	15	16	14	287	16	8.6	10
Min.	9.4	9.4	8.3	9.4	11	11	12	9.2	9.4	6.7	6.7	6.7
A. F.	612	632	660	689	700	823	797	672	2130	537	457	477

Total acre-feet 9190.

LODGEPOLE CREEK BELOW OLIVER RESERVOIR—Sec. 31-15-56 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	1	3	2	4	1
2	*	*	*	*	*	*	*	1	3	2	4	1
3	*	*	*	*	*	*	*	1	3	2	4	1
4	*	*	*	*	*	*	*	1	3	2	3	1
5	*	*	*	*	*	*	*	1	3	2	3	1
6	*	*	*	*	*	*	*	1	2	2	3	1
7	*	*	*	*	*	*	*	1	2	2	3	1
8	*	*	*	*	*	*	*	1	2	2	3	1
9	*	*	*	*	*	*	*	1	2	2	3	1
10	*	*	*	*	*	*	*	1	4	2	3	1
11	*	*	*	*	*	*	*	2	4	2	3	1
12	*	*	*	*	*	*	*	2	4	3	3	1
13	*	*	*	*	*	*	*	2	4	3	3	1
14	*	*	*	*	*	*	*	2	4	2	3	1
15	*	*	*	*	*	*	*	2	4	2	2	1
16	*	*	1	*	*	*	0.5	2	4	2	2	1
17	*	*	*	*	*	*	*	2	4	2	2	1
18	*	*	*	*	*	1	*	3	5	2	2	2
19	*	*	*	*	*	*	*	3	5	3	2	1
20	*	*	*	*	*	*	*	3	5	3	2	2
21	*	*	*	*	3	*	*	3	5	3	2	2
22	*	*	*	*	*	*	*	3	5	3	3	2
23	0.5	*	*	*	*	*	*	3	5	3	3	2
24	*	*	*	*	*	*	*	3	4	3	2	2
25	*	*	*	*	*	*	*	3	4	3	2	2
26	*	0.5	*	*	*	*	*	3	1	4	1	2
27	*	*	*	*	*	*	*	3	5	4	1	2
28	*	*	*	*	*	*	*	3	5	4	1	2
29	*	*	*	*	_	*	*	3	5	4	1	2
30	*	*	*	*	_	*	*	3	2	4	1	2
31	*	_	*	*	_	*	_	3	_	4	1	_
Mean	*	*	*	*	*	*	*	2	4	3	2	1
Max.	*	*	*	*	*	*	*	3	5	4	4	2
Min.	*	*	*	*	*	*	*	1	1	2	1	1
A. F.	*	*	*	*	*	*	*	130	220	165	148	83

*No record.

LOGAN CREEK AT UEHLING—Sec. 9-20-8 E.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	68	96	66	52	49	33
2	*	*	*	*	*	*	67	96	76	47	40	37
3	*	*	*	*	*	*	66	96	110	47	38	44
4	*	*	*	*	*	*	70	90	83	48	37	38
5	*	*	*	*	*	*	70	110	76	47	37	35
6	*	*	*	*	*	*	69	90	76	46	35	34
7	*	*	*	*	*	*	75	81	90	46	33	30
8	*	*	*	*	*	*	78	73	77	45	33	54
9	*	*	*	*	*	*	192	71	75	46	31	45
10	*	*	*	*	*	1160	315	71	71	69	31	39
11	*	*	*	*	*	698	383	73	77	76	32	39
12	*	*	*	*	*	293	141	70	96	118	36	37
13	*	*	*	*	*	211	133	66	90	72	32	36
14	*	*	*	*	*	166	141	69	71	58	33	2450
15	*	*	*	*	935	133	125	75	69	118	32	1360
16	*	*	*	*	*	315	103	71	62	174	31	3230
17	*	*	*	*	*	183	96	68	46	90	32	1320
18	*	*	*	*	*	118	90	70	51	73	96	456
19	38	*	*	*	*	125	96	64	50	52	118	293
20	*	*	*	*	*	125	1560	77	48	46	57	141
21	*	*	*	*	*	110	532	221	48	45	44	103
22	*	*	*	*	*	103	251	96	360	48	39	81
23	*	*	41	*	*	103	183	73	481	45	38	72
24	*	*	*	33	*	79	149	70	157	43	42	77
25	*	*	*	*	*	73	133	67	96	42	37	73
26	*	*	*	*	*	77	125	68	70	42	35	63
27	*	*	*	*	*	73	110	67	61	42	34	55
28	56	36	*	*	*	53	103	66	133	42	35	55
29	*	*	*	*	_	60	103	66	77	42	35	57
30	*	*	*	*	_	68	96	66	63	41	32	67
31	*	_	*	*	_	68	_	66	_	41	34	_
Mean	*	*	*	*	*	*	191	81	100	60	41	348
Max.	*	*	*	*	*	1160	1560	221	481	174	118	3230
Min.	*	*	*	*	*	53	66	64	46	41	31	30
A. F.	*	*	*	*	*	8720	11350	4960	5960	3660	2520	20740

*No record.

LONERGAN CREEK—Sec. 19-15-39 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	7	6	5	6	5
2	*	*	*	*	*	*	*	7	7	5	6	5
3	*	*	*	5	*	*	*	7	5	5	5	5
4	*	*	*	*	*	*	*	7	5	5	5	5
5	*	*	*	*	*	*	*	7	5	5	5	5
6	*	*	*	*	*	*	*	6	7	5	5	5
7	*	*	*	*	*	*	*	6	6	5	5	5
8	*	*	*	*	*	*	6	6	6	5	5	5
9	4	*	*	*	*	*	*	6	6	5	5	5
10	*	*	*	*	*	*	*	6	6	5	5	5
11	*	5	*	*	*	*	*	6	6	5	5	4
12	*	*	*	*	*	*	*	6	5	5	5	4
13	*	*	*	*	*	*	*	6	6	5	5	4
14	*	*	*	*	*	*	*	5	6	5	5	4
15	*	*	*	*	*	*	8	5	6	5	5	4
16	*	*	*	*	*	*	*	6	6	5	5	4
17	*	*	*	*	*	*	*	5	6	5	5	5
18	*	*	*	8	*	6	*	5	6	5	5	5
19	*	*	*	*	*	*	*	5	6	5	5	5
20	*	*	*	*	*	*	*	5	6	5	5	5
21	*	*	*	*	*	*	*	5	5	5	5	5
22	*	*	*	*	*	*	*	5	5	5	5	5
23	*	*	*	*	*	*	*	5	5	5	6	5
24	*	*	*	*	*	*	*	5	5	5	6	5
25	*	*	*	*	*	*	*	4	5	5	6	5
26	*	*	*	*	*	*	*	5	5	5	6	5
27	*	*	*	*	*	*	*	5	5	5	6	5
28	*	*	*	*	*	*	*	5	5	6	6	5
29	*	*	*	*	–	*	7	6	5	6	9	5
30	*	*	*	*	–	*	*	6	5	6	6	5
31	*	–	*	*	–	*	–	6	–	6	6	–
Mean	*	*	*	*	*	*	*	6	6	5	6	5
Max.	*	*	*	*	*	*	*	7	7	6	9	5
Min.	*	*	*	*	*	*	*	5	5	5	5	4
A. F.	†240	†260	†250	†350	†300	†330	†420	350	330	315	330	285

Total acre-feet 3760.
*No record.
†Estimated.

LOST CREEK—Sec. 1-16-44 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	0	0	0	0	0
2	*	*	*	*	*	*	*	0	0	0	0	0
3	*	*	*	*	*	*	*	0	0	0	0	0
4	*	*	*	*	*	*	*	0	0	0	0	0
5	*	*	*	*	*	*	*	0	0	0	0	0
6	*	*	*	*	*	*	*	0	5	0	0	0
7	*	*	*	*	*	*	*	0	4	0	0	0
8	*	*	*	*	*	*	*	0	0	0	0	0
9	*	*	*	*	*	*	*	0	5	0	0	0
10	*	*	*	*	*	*	*	0	1	0	0	0
11	*	*	*	*	*	*	*	0	1	0	0	0
12	*	*	*	*	*	*	*	0	0	0	0	0
13	*	*	*	*	*	*	*	0	1	0	0	0
14	*	*	*	*	*	*	*	0	1	0	0	0
15	*	*	*	*	*	*	*	0	2	0	0	0
16	*	*	*	*	*	*	*	0	1	0	0	0
17	*	*	*	*	*	*	*	0	1	0	0	0
18	*	*	*	*	*	*	*	0	0	0	0	0
19	*	*	*	*	*	*	*	0	0	0	0	0
20	*	*	*	*	*	*	*	0	0	0	0	0
21	*	*	*	*	*	*	*	0	0	0	0	0
22	*	*	*	*	*	*	*	0	0	0	0	0
23	*	*	*	*	*	*	*	0	0	0	0	0
24	*	*	*	*	*	*	*	0	0	0	0	0
25	*	*	*	*	*	*	*	0	0	0	0	0
26	*	*	*	*	*	*	*	0	0	0	0	0
27	*	*	*	*	*	*	*	0	0	0	0	0
28	*	*	*	*	*	*	*	0	0	0	0	0
29	*	*	*	*	–	*	*	0	0	0	0	0
30	*	*	*	*	–	*	*	0	0	0	0	0
31	*	–	*	*	–	*	–	0	–	0	0	–
Mean	*	*	*	*	*	*	*	0	0.7	0	0	0
Max.	*	*	*	*	*	*	*	0	5	0	0	0
Min.	*	*	*	*	*	*	*	0	0	0	0	0
A. F.	*	*	*	*	*	*	*	0	42	0	0	0

*No record.

LOUP RIVER NEAR COLUMBUS
Highway Bridge on West Line of Sec. 30-17-1 E.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	85	137	183	300	390	230	205	656	800	182	532	32
2	109	130	290	430	540	650	178	2400	5200	148	155	88
3	109	103	322	250	540	820	450	1990	5400	144	70	1440
4	94	116	344	124	340	900	980	1660	2730	120	57	672
5	85	109	350	175	490	937	905	1550	1460	102	43	250
6	91	159	465	156	760	1440	460	480	610	85	75	134
7	82	183	628	128	1350	1730	352	240	380	99	78	182
8	1920	174	313	162	1680	1640	532	186	144	93	78	610
9	252	202	262	230	2340	3840	597	558	380	130	72	888
10	178	221	242	205	2600	10100	470	440	331	134	63	215
11	140	91	247	286	3210	8300	345	178	922	134	49	127
12	113	60	262	558	3610	3020	373	160	493	120	55	111
13	94	136	458	1460	4520	1780	366	173	280	127	59	99
14	82	96	425	3140	4690	1350	506	164	298	230	49	105
15	73	140	376	2870	3920	782	1480	144	245	1730	53	90
16	71	78	260	2060	2540	1020	688	144	225	1870	53	130
17	79	250	150	1350	2090	1240	532	130	215	597	53	134
18	76	610	227	1100	3020	2220	400	141	191	1420	41	191
19	76	1040	392	380	1900	1870	380	688	186	1590	38	191
20	76	1520	392	220	888	2220	2620	1660	164	1620	53	138
21	76	870	330	173	304	1460	1900	8580	138	1310	49	130
22	66	830	240	127	220	656	1660	3050	3200	1000	49	111
23	66	650	330	110	168	470	641	1120	7810	818	55	117
24	66	870	380	140	178	450	571	331	3020	818	51	134
25	71	660	480	190	262	545	450	235	292	852	45	138
26	71	520	360	150	480	532	338	240	262	186	40	1160
27	73	628	640	240	220	420	205	286	230	59	51	235
28	109	750	790	310	310	430	205	298	173	43	51	141
29	922	300	510	360	.....	430	196	292	178	45	45	120
30	446	242	380	290	.....	256	245	215	196	53	51	160
31	183	.....	350	290	.....	256	.....	641	.....	1850	43	.....
Mean	194	396	366	580	1555	1860	640	935	1205	570	73	276
Max.	1920	1520	628	3140	4690	10100	2620	8580	7810	1870	532	1440
Min.	66	60	150	110	168	230	178	130	138	43	38	32
A. F.	11970	23550	22570	35630	86400	103130	38140	57580	71710	35130	4475	16410

Total acre-feet 506695.

LOUP RIVER, MIDDLE, AT WALWORTH—Sec. 1-19-20 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	900	674	645	630	1370	1660	476	880	880	789	666	737
2	833	713	745	597	1210	1540	552	833	815	789	674	861
3	763	763	789	522	1240	1130	589	798	763	807	666	815
4	789	852	780	321	1160	931	485	763	780	824	645	815
5	852	815	737	223	1140	807	506	754	807	745	659	754
6	871	737	706	300	910	648	533	674	833	713	638	698
7	815	706	713	608	436	626	496	595	900	729	754	645
8	780	690	682	630	700	822	552	630	771	754	698	595
9	754	713	638	694	895	692	564	638	706	729	729	652
10	807	721	583	722	1180	666	638	659	706	721	729	682
11	815	500	552	920	1340	734	780	713	745	713	682	666
12	789	260	472	1020	1340	754	824	763	659	842	666	674
13	833	200	300	1080	1240	721	861	737	630	771	674	737
14	771	300	395	1010	948	674	833	789	659	754	652	745
15	645	800	395	867	948	721	616	842	674	706	609	763
16	780	1300	439	747	721	517	652	852	666	713	623	698
17	754	1550	494	730	754	517	780	807	659	706	616	674
18	789	1500	479	620	518	666	880	789	645	659	842	666
19	807	1400	610	575	408	616	959	754	645	638	842	659
20	763	1350	746	545	890	602	900	807	645	630	842	729
21	745	1330	900	705	1070	485	900	807	666	682	807	807
22	763	1200	905	893	865	480	1020	824	807	713	754	900
23	721	1000	762	660	980	517	948	798	713	645	780	979
24	737	752	775	560	980	517	918	833	666	666	745	1070
25	771	692	745	755	1260	552	852	880	659	706	729	1070
26	729	778	719	608	1490	471	833	900	652	682	754	852
27	745	937	630	705	1630	491	833	948	645	682	737	815
28	713	979	605	912	1560	512	789	969	698	698	737	789
29	713	682	574	956	.....	501	729	928	721	682	763	807
30	706	754	562	1010	.....	466	745	938	880	780	729	852
31	682	.....	562	1300	.....	458	.....	890	.....	682	745	.....
Mean	772	855	634	724	1042	693	735	800	723	721	716	774
Max.	900	1550	905	1300	1630	1660	1020	969	900	842	842	1070
Min.	645	200	300	233	408	458	476	595	630	630	609	595
A. F.	47470	50870	38950	44500	57880	42630	43720	49170	43030	44330	44010	46030

Total acre-feet 552600.

LOUP RIVER, MIDDLE, AT ARCADIA—Sec. 26-17-16 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	653	560	798	613	1310	1630	575	716	662	908	440	707
2	778	582	810	739	1340	1660	662	698	908	575	425	620
3	598	620	716	760	1220	1440	620	716	671	598	376	680
4	590	671	1090	546	1240	947	575	767	568	605	345	974
5	653	746	1090	554	1180	635	484	869	582	662	337	698
6	1040	736	843	525	984	1240	473	716	605	534	313	635
7	746	707	788	647	688	1040	490	662	635	508	305	628
8	671	746	856	840	514	1140	514	653	707	502	313	707
9	671	882	895	1280	851	1000	582	662	689	490	345	830
10	698	778	895	1260	875	778	598	628	653	478	372	671
11	653	742	830	1360	1140	698	725	582	644	484	405	590
12	628	445	768	1490	1230	628	767	560	554	495	386	628
13	598	379	202	1820	1100	440	895	598	495	620	390	680
14	689	342	157	1700	1140	575	554	554	514	671	386	798
15	653	437	270	1620	1050	582	582	554	495	671	381	882
16	698	1140	466	1580	1160	680	521	680	502	671	350	820
17	680	1490	608	721	1080	534	540	680	508	635	395	628
18	778	1730	988	442	1000	830	540	653	528	612	446	612
19	778	1410	1140	307	706	1140	590	590	502	568	662	582
20	746	1420	1220	819	387	644	490	934	495	554	590	568
21	788	1410	1100	1160	438	620	502	568	508	534	514	575
22	767	1380	1120	1350	848	560	451	554	547	468	502	1810
23	778	1380	996	1140	1340	534	415	560	620	415	521	1450
24	671	1200	931	1190	1360	534	368	521	707	390	502	1630
25	689	798	831	779	1380	534	444	521	756	345	540	934
26	689	788	807	965	830	560	410	547	644	329	490	830
27	671	788	765	1150	1440	484	508	582	547	345	534	810
28	810	788	785	830	1600	534	568	707	560	395	547	680
29	680	830	707	1130	.....	534	644	680	671	425	521	746
30	547	810	672	1360	.....	560	707	628	895	405	521	934
31	534	.....	622	1420	.....	521	.....	662	.....	425	514	.....
Mean	698	891	799	1035	1051	782	560	645	612	526	441	811
Max.	1040	1730	1220	1820	1600	1660	895	934	908	908	662	1810
Min.	534	342	157	307	387	440	368	521	495	329	305	568
A. F.	42890	53030	49120	63660	58380	48070	33310	39670	36440	32360	27110	48270

Total acre-feet 532300.

LOUP RIVER, MIDDLE, AT ST. PAUL—Sec. 10-14-10 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	948	1050	1280	973	1250	2440	906	1600	3440	631	826	434
2	1010	990	1350	969	1380	2100	1130	1430	2740	892	675	530
3	1190	920	1040	857	1310	1880	1530	1240	4020	948	570	1330
4	1100	1090	745	764	1460	1460	1780	1350	1550	948	417	1370
5	1050	1040	745	624	1490	1440	1640	1640	1280	878	312	1170
6	1280	892	1450	345	1730	875	1220	1490	1850	892	286	948
7	2010	920	1190	339	1570	1330	1200	1260	1260	892	274	1070
8	1330	934	1010	395	739	1900	1240	1090	1020	742	262	920
9	1100	1010	962	595	1100	3410	1220	1010	1660	642	232	742
10	892	1240	878	960	1100	4030	990	850	2160	600	293	708
11	878	344	976	1700	1430	3140	990	920	790	580	300	697
12	878	210	553	2400	1980	1470	1150	878	730	580	332	686
13	850	165	395	2480	2380	833	1330	814	653	766	353	664
14	838	206	393	1930	1500	513	2250	814	631	1020	326	664
15	920	244	351	1960	1380	607	1570	892	653	826	326	719
16	878	424	312	2190	1400	916	1370	1310	719	802	338	719
17	838	630	357	1110	1330	805	1120	1960	697	826	326	1010
18	766	786	405	356	1310	816	1260	2070	697	766	369	778
19	778	1490	366	363	1160	1600	1370	1570	686	686	401	802
20	790	1670	480	540	900	2040	1680	5990	642	530	482	675
21	730	1570	767	545	498	1190	1910	3850	790	463	631	570
22	708	1340	1260	620	654	1130	1680	1660	2040	454	664	600
23	766	1040	904	900	1220	1290	1620	1100	1260	434	590	1010
24	802	1210	932	1100	1420	1450	1410	778	1120	434	530	864
25	892	1080	884	1260	1700	1240	1090	675	1020	417	560	1880
26	675	1080	884	745	2020	1020	892	631	934	326	540	1490
27	708	980	884	575	2150	1020	892	600	1100	280	540	1280
28	1830	820	830	755	2230	1050	976	590	934	312	482	934
29	1240	940	608	1100	.....	1050	1170	570	600	293	520	1020
30	1070	1140	688	1260	.....	1050	1390	620	664	501	472	892
31	1020	.....	680	1310	.....	906	.....	653	.....	1750	454	.....
Mean	992	915	792	1033	1421	1484	1333	1352	1278	681	441	906
Max.	2010	1670	1450	2480	2380	4030	2250	5990	4020	1750	826	1880
Min.	675	165	312	339	498	513	892	570	600	280	232	434
A. F.	61020	54460	48710	63510	78920	91240	79290	83120	76050	41870	27140	53900

Total acre-feet 759200.

LOUP RIVER, NORTH, NEAR TAYLOR—Sec. 22-21-18 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	300	400	475	536	850	500	495	531	325	370	190	138
2	310	395	425	445	860	460	526	465	365	320	120	210
3	285	410	405	277	780	430	526	450	370	315	120	215
4	280	410	405	510	660	420	515	445	285	370	89	225
5	280	380	450	561	540	430	450	480	320	400	80	165
6	390	415	505	544	470	450	455	455	325	305	93	215
7	300	435	470	716	385	600	465	455	295	270	102	220
8	285	425	435	792	415	1200	465	425	310	250	102	210
9	255	405	470	826	465	800	445	420	390	230	129	215
10	290	380	485	950	470	560	425	425	405	320	230	275
11	290	48	480	1020	510	390	475	415	370	365	225	235
12	280	244	430	1080	480	360	460	415	375	395	138	220
13	290	327	125	972	460	470	520	395	395	420	129	275
14	285	346	67	922	410	465	520	405	350	430	138	280
15	290	378	172	866	465	515	531	360	315	360	147	330
16	285	410	192	828	420	455	490	470	290	300	152	285
17	270	442	329	470	440	385	500	485	325	230	215	260
18	270	490	384	330	405	410	520	455	245	180	305	250
19	260	493	429	500	400	542	768	430	235	165	385	245
20	270	468	469	660	215	536	597	430	215	161	365	250
21	270	477	536	810	270	515	531	340	235	195	295	255
22	275	534	607	820	350	542	597	280	300	225	255	385
23	275	520	691	800	420	570	624	275	295	215	240	435
24	270	490	768	820	440	500	564	255	265	124	215	515
25	280	410	734	800	470	495	515	270	225	52	205	435
26	290	435	707	820	470	490	495	265	225	45	205	400
27	290	455	680	840	470	490	480	315	210	59	210	360
28	320	470	658	840	480	500	475	295	255	93	215	330
29	330	475	619	840	.....	490	460	255	270	106	205	355
30	375	500	536	840	.....	495	500	310	365	138	175	415
31	410	.....	531	840	.....	495	.....	370	.....	205	142	.....
Mean	295	416	473	738	481	515	513	388	305	246	188	287
Max.	410	534	768	1080	860	1200	768	531	405	430	385	515
Min.	260	48	67	277	215	360	425	255	210	45	80	138
A. F.	18150	24730	29100	45370	26720	31660	30520	23880	18150	15100	11540	17060

Total acre-feet 292000.

LOUP RIVER, NORTH, AT SCOTIA—Sec. 8-17-12 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	408	801	835	1000	1280	830	920	938	539	440	175	215
2	488	852	852	960	1300	1080	938	852	659	467	190	242
3	502	737	840	780	1250	1120	1030	767	1330	509	170	281
4	474	750	760	570	1200	830	1050	801	974	495	135	665
5	481	784	801	400	1200	800	920	767	593	488	130	1310
6	1420	818	818	410	1180	840	818	869	602	523	112	474
7	903	767	903	530	1160	830	784	767	620	523	105	481
8	593	737	852	620	1100	1390	852	672	633	481	112	440
9	557	750	903	715	1100	2300	938	646	724	454	155	474
10	593	818	869	815	1200	2050	801	685	869	421	120	447
11	557	371	886	860	1300	1480	767	685	886	440	130	447
12	557	120	1010	885	1350	1060	852	672	801	474	170	440
13	557	370	305	885	1100	938	1460	672	784	575	215	454
14	539	420	276	880	900	938	1010	633	852	633	160	454
15	530	625	290	875	850	886	737	620	835	539	155	685
16	548	620	340	855	900	974	784	659	750	539	150	1940
17	557	600	440	825	860	711	767	711	685	481	258	724
18	530	625	460	455	740	835	903	646	920	428	270	539
19	509	675	610	365	490	1050	1160	646	646	365	293	523
20	502	725	690	525	235	920	1210	1180	530	329	434	509
21	502	665	800	770	240	920	1350	1400	530	323	481	523
22	502	895	940	940	300	852	1140	801	1600	311	428	593
23	488	650	1070	950	410	920	938	557	711	299	402	711
24	481	720	1090	890	525	996	903	481	495	281	389	1230
25	502	720	1120	900	690	974	869	488	467	264	347	1160
26	488	840	1160	880	790	992	784	495	460	200	311	633
27	502	903	1160	870	800	1080	737	474	460	175	281	672
28	698	750	1170	1080	815	1100	659	474	454	170	270	557
29	633	784	1200	1120	.....	1080	685	502	428	140	248	602
30	548	801	1160	1200	.....	1010	903	481	428	170	236	920
31	646	.....	1080	1220	.....	956	.....	474	.....	210	231	.....
Mean	574	690	829	807	902	1065	922	694	709	392	234	645
Max.	1420	903	1200	1220	1350	2300	1460	1400	1600	633	481	1940
Min.	408	120	276	365	235	711	659	474	428	140	105	215
A. F.	35300	41040	50960	49650	50110	64840	54880	42670	42180	24090	14410	38370

Total acre-feet 508500.

LOUP RIVER, NORTH, NEAR ST. PAUL—Sec. 22-15-10 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	446	712	748	863	1390	1220	874	1240	588	507	165	268
2	478	820	766	846	1540	1250	944	1080	1190	624	155	309
3	534	802	748	580	1570	1230	1180	958	1750	600	151	496
4	534	793	640	475	1420	1130	1100	986	1030	564	129	420
5	502	820	793	384	1400	640	1010	986	660	540	117	874
6	850	793	667	407	1300	690	944	930	660	552	105	540
7	968	766	766	452	1230	966	902	860	673	600	91	507
8	712	748	766	550	1180	1430	986	790	725	518	85	474
9	604	775	748	568	1090	3350	1060	777	902	452	93	474
10	534	811	730	630	1300	2320	944	790	1010	401	108	518
11	534	470	748	701	1560	1660	874	804	1060	382	102	474
12	502	161	802	777	1780	739	888	790	916	411	105	430
13	494	168	135	851	1960	703	1030	790	874	576	151	474
14	486	172	146	888	1570	860	1430	818	860	699	175	485
15	454	273	406	904	1070	830	986	804	860	612	137	576
16	486	432	394	909	938	1320	902	846	751	588	125	1480
17	518	595	408	895	763	846	902	888	673	518	129	1220
18	526	780	592	777	770	832	930	888	1040	452	198	764
19	510	920	680	515	698	1140	1140	958	818	344	238	660
20	510	945	795	498	573	1080	1270	2180	600	301	318	624
21	510	875	880	588	395	888	1450	1180	764	268	463	612
22	502	875	930	680	275	888	1250	790	1770	268	485	712
23	494	880	975	724	305	916	1100	588	1200	245	411	888
24	486	735	1000	783	480	944	1040	382	751	225	363	1330
25	478	775	1060	741	576	888	972	420	612	225	382	1410
26	478	775	1100	784	893	916	888	452	588	198	363	986
27	470	703	1090	825	1140	958	818	463	540	146	334	874
28	1100	658	1060	910	1240	944	790	420	540	137	326	832
29	721	757	1080	1070	____	874	818	518	518	133	301	751
30	613	721	1080	1190	____	916	1030	441	507	452	277	790
31	622	____	950	1360	____	888	____	411	____	277	277	____
Mean	570	684	764	746	1086	1105	1015	814	848	413	221	708
Max.	1100	945	1100	1360	1960	3350	1450	2180	1770	699	485	1480
Min.	446	161	135	384	275	640	790	382	507	133	85	268
A. F.	35020	40680	46970	45880	60310	67950	60400	50040	50440	25420	13600	42150

Total acre-feet 538900.

LOUP RIVER, SOUTH, AT RAVENNA—Sec. 17-12-14 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	120	113	141	406	268	433	277	220	1180	100	127	62
2	110	116	148	356	283	394	329	271	1690	100	103	127
3	110	113	145	350	304	326	421	241	820	100	100	370
4	110	134	214	199	361	214	384	236	148	106	72	302
5	110	127	209	122	400	226	370	198	67	108	68	399
6	112	130	184	162	371	271	322	296	82	100	62	184
7	112	138	184	147	332	293	336	225	48	100	59	116
8	112	141	193	188	364	380	302	198	50	100	59	100
9	111	161	193	244	425	1020	284	220	265	100	59	100
10	110	175	184	298	522	526	252	247	632	90	59	93
11	105	162	184	350	559	342	236	258	166	134	56	86
12	100	129	193	358	512	225	230	258	106	138	59	82
13	95	103	180	379	496	170	252	252	90	302	59	82
14	90	76	150	377	421	157	473	236	98	157	62	82
15	95	66	120	350	363	148	277	236	111	166	62	93
16	95	89	90	322	350	193	209	692	108	180	65	100
17	90	218	80	260	343	193	184	1070	123	166	70	116
18	90	355	80	208	363	198	189	370	130	148	76	116
19	90	454	100	116	202	214	265	225	123	127	76	86
20	95	512	145	95	93	236	315	1510	116	120	82	78
21	95	350	158	113	84	193	290	615	120	116	74	78
22	95	225	250	144	82	170	356	209	520	130	70	86
23	95	184	346	166	82	225	290	116	220	116	74	180
24	106	157	420	162	84	225	220	82	130	111	74	290
25	103	141	467	156	90	220	198	72	123	111	78	428
26	100	157	519	173	100	265	193	74	356	111	84	220
27	106	141	603	204	130	247	189	70	161	120	76	138
28	615	145	700	209	420	252	170	72	130	123	82	106
29	127	127	624	215	____	284	184	95	111	127	70	111
30	111	134	649	258	____	302	209	100	103	820	64	127
31	108	____	451	264	____	296	____	111	____	296	60	____
Mean	120	176	268	237	300	285	274	293	271	156	72	151
Max.	615	512	700	406	559	1020	473	1510	1690	820	127	428
Min.	90	66	80	95	82	148	170	70	48	90	56	62
A. F.	7380	10460	16470	14580	16670	17530	16280	18000	16120	9570	4440	9000

Total acre-feet 156500.

MEDICINE CREEK AT CAMBRIDGE—Sec. 18-4-25 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	37	42	53	112	885	80	57	60	1400	39	158	120
2	48	42	52	84	472	80	57	64	2180	40	87	2130
3	44	44	55	60	259	72	65	61	214	45	85	122
4	45	45	46	44	88	64	66	77	118	308	102	106
5	44	45	54	39	78	63	65	68	84	156	62	69
6	93	45	55	22	72	62	65	62	1450	369	55	55
7	99	46	57	44	73	63	59	59	120	365	50	48
8	57	49	57	42	75	62	57	58	112	108	49	47
9	52	50	56	86	70	66	55	138	102	65	48	39
10	47	48	57	99	69	71	52	84	978	57	45	42
11	43	28	61	109	68	73	55	66	369	51	44	39
12	42	21	55	110	65	75	81	60	148	87	42	38
13	41	22	34	126	65	90	164	57	82	1940	39	36
14	39	23	32	131	62	63	76	54	75	274	36	36
15	36	36	51	120	61	62	72	54	70	112	32	35
16	34	47	61	118	60	57	72	65	66	96	34	34
17	36	55	54	48	60	60	62	74	62	76	36	34
18	46	64	70	32	59	61	150	61	57	57	34	34
19	44	66	82	37	58	57	114	70	54	45	32	33
20	42	60	94	54	59	56	110	4320	54	41	32	33
21	41	63	102	55	57	56	99	470	56	208	38	32
22	41	72	126	89	56	50	91	202	172	163	36	622
23	41	62	131	97	60	60	85	76	64	96	251	202
24	42	55	112	103	65	64	80	69	51	69	65	1890
25	43	57	120	92	65	63	72	65	51	58	54	335
26	43	56	118	43	70	63	65	60	54	56	53	108
27	42	54	116	35	80	63	57	60	48	131	57	90
28	42	55	110	59	80	61	56	55	47	112	53	77
29	39	55	99	80	....	60	57	51	42	70	52	71
30	39	55	106	417	....	60	55	48	41	411	48	62
31	40	....	105	1020	....	57	....	85	....	774	47	....
Mean	46	49	77	116	118	64	76	221	281	209	60	221
Max.	99	72	131	1020	885	90	164	4320	2180	1940	251	2130
Min.	34	21	32	22	56	50	52	48	41	39	32	32
A. F.	2820	2900	4720	7150	6530	3960	4500	13590	16700	12850	3680	13130

Total acre-feet 92530.

MELBETA DRAIN—Sec. 13-21-54 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	2	0	0	0	0
2	*	*	*	*	*	*	*	2	0	0	3	0
3	*	*	*	*	*	*	*	3	0	0	3	0
4	*	*	*	*	*	*	*	3	0	0	3	0
5	*	*	*	*	*	*	*	3	0	0	3	0
6	*	*	*	*	2	1	*	4	0	0	3	0
7	*	*	*	*	*	*	*	2	0	0	3	0
8	*	*	*	*	*	*	*	4	0	0	0	0
9	*	*	*	*	*	*	*	6	7	0	0	0
10	*	*	*	2	*	*	*	5	6	0	0	0
11	*	*	*	*	*	*	*	6	5	0	0	0
12	*	*	*	*	*	*	*	1	5	0	0	0
13	*	*	*	*	*	*	*	1	2	0	0	0
14	*	*	*	*	*	*	*	0	4	4	0	0
15	*	*	*	*	*	*	*	0	5	3	0	0
16	*	*	*	*	*	*	*	0	6	0	0	0
17	*	*	*	*	*	*	*	0	5	0	0	5
18	*	*	*	*	*	*	*	0	5	0	0	4
19	*	*	*	*	1	*	*	0	5	0	0	4
20	*	*	*	*	*	1	*	0	5	0	0	3
21	*	*	*	*	*	*	*	0	5	4	3	3
22	*	*	*	*	*	*	*	0	5	0	3	5
23	*	*	*	2	*	*	*	0	5	0	3	4
24	*	*	*	*	*	*	*	0	8	0	3	8
25	*	5	*	*	*	*	*	0	8	0	3	8
26	*	*	*	*	*	*	*	0	4	0	3	10
27	*	*	*	*	*	*	*	0	0	0	0	8
28	*	*	*	*	*	*	*	0	4	0	0	10
29	*	*	*	*	..	*	*	0	3	0	0	10
30	*	*	*	*	..	*	*	0	0	0	0	7
31	*	..	*	*	..	*	..	0	..	0	0	....
Mean	*	*	*	*	*	*	*	1	3	0.4	1	3
Max.	*	*	*	*	*	*	*	6	8	4	3	10
Min.	*	*	*	*	*	*	*	0	0	0	0	0
A. F.	†100	†200	†150	†120	†100	†60	†100	80	201	22	72	175

Total acre-feet 1380.
*No record.
†Estimated.

NINE MILE DRAIN NEAR MINATARE—Sec. 25-21-53 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	121	75	73	69	65	65	62	60	85	97	141	122
2	110	75	73	69	65	64	62	62	82	100	114	120
3	107	75	73	69	65	63	62	65	82	106	108	123
4	103	74	72	68	65	62	62	93	85	107	106	124
5	108	75	72	68	65	62	62	91	87	110	107	125
6	110	76	72	67	64	62	66	62	88	111	106	128
7	106	75	72	67	63	62	63	57	91	107	114	130
8	104	76	72	67	63	61	61	59	117	94	112	129
9	99	77	71	66	63	60	60	58	257	92	108	133
10	96	75	71	67	62	60	60	58	423	91	113	137
11	95	70	72	66	63	59	60	60	233	92	115	137
12	97	68	72	66	63	58	60	65	146	106	113	139
13	94	79	72	66	62	58	62	67	107	102	110	142
14	92	78	72	66	62	58	63	62	96	106	112	144
15	93	78	72	66	62	58	63	73	94	108	118	141
16	92	78	72	66	62	58	65	81	106	102	122	140
17	91	78	72	66	62	58	64	84	94	109	128	146
18	91	78	73	66	62	58	68	87	88	109	143	152
19	95	76	72	66	63	58	67	93	83	109	128	150
20	97	76	71	65	63	58	66	96	81	109	128	149
21	96	76	70	65	64	59	64	95	81	104	127	149
22	94	75	70	65	64	59	64	93	80	100	130	170
23	93	75	70	65	65	60	63	92	85	104	129	208
24	92	75	70	65	66	60	63	89	90	102	128	169
25	87	75	73	65	66	60	62	89	92	100	125	175
26	82	74	76	65	67	60	61	88	96	102	126	159
27	81	74	72	64	67	62	63	87	88	101	134	156
28	80	75	69	64	66	63	62	90	120	100	126	156
29	79	74	69	65	----	62	63	90	101	102	125	156
30	78	73	70	65	----	63	62	85	99	108	124	158
31	76	----	70	65	----	62	----	84	----	126	125	----
Mean	95	75	72	66	64	60	63	78	115	104	121	146
Max.	121	79	73	69	67	65	68	96	423	126	141	208
Min.	76	68	69	64	62	58	60	57	80	91	106	120
A. F.	5830	4480	4400	4060	3550	3710	3740	4790	6860	6380	7430	8660

Total acre-feet 63890.

NIOBRARA RIVER AT DUNLAP—Sec. 27-29-48 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	11	43	50	52	51	108	35	2.8	8.7	12	21
2	12	11	42	45	53	57	72	32	2.6	6.5	12	20
3	12	11	38	40	54	58	71	30	2.6	6.2	11	21
4	11	11	38	34	54	54	72	28	2.8	6.2	11	20
5	12	11	40	39	56	56	72	28	2.6	6.2	12	20
6	12	10	41	42	55	56	72	26	2.8	7.1	12	20
7	12	10	43	43	48	58	72	26	3	9	10	20
8	12	11	42	43	46	57	72	25	3.7	9.3	9	20
9	13	12	39	44	47	63	72	24	62	11	9	21
10	12	10	38	48	50	63	71	22	129	12	9.6	21
11	12	12	36	47	52	59	67	22	35	11	9.9	21
12	12	20	27	45	53	51	64	20	28	9.6	10	21
13	12	22	19	45	57	52	63	19	24	11	11	20
14	12	22	32	45	57	50	62	15	19	12	11	22
15	12	20	39	44	55	49	65	14	19	14	9	21
16	12	25	43	45	55	51	69	16	20	18	8.7	20
17	12	30	47	44	53	53	71	15	21	20	8.7	22
18	12	35	48	42	51	57	69	13	20	22	8.7	24
19	12	40	41	53	52	59	64	10	12	20	9.3	23
20	12	42	41	45	48	61	64	7.9	11	19	12	24
21	11	44	42	47	50	60	65	6.5	13	18	60	24
22	11	45	43	50	48	60	60	5.5	14	18	35	23
23	11	44	45	50	51	61	57	5	14	17	31	24
24	11	43	47	45	50	61	54	4.8	14	15	26	23
25	12	42	46	40	48	61	50	4.5	14	12	24	23
26	12	42	47	42	48	58	48	4.5	13	11	23	23
27	11	42	48	50	50	58	42	3.3	13	12	22	23
28	11	42	48	48	49	59	40	2.6	243	12	22	23
29	11	42	47	49	----	63	39	2.6	25	12	23	22
30	11	42	51	54	----	69	36	2.6	10	12	23	23
31	11	----	50	52	----	72	----	3.3	----	12	21	----
Mean	11.7	26.8	41.6	45.5	51.5	58	63.4	15.3	26.5	12.6	16.6	21.8
Max.	13	45	51	54	57	72	108	35	243	22	60	25
Min.	11	10	19	34	46	49	36	2.6	2.6	6.2	8.7	20
A. F.	720	1590	2560	2800	2860	3560	3770	938	1580	773	1020	1300

Total acre-feet 23470.

NIOBRARA RIVER NEAR SPENCER—Sec. 30-33-11 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	878	894	1090	1570	1440	1190	1230	1510	1110	1270	764	658
2	958	1070	1220	1250	1980	1090	1290	1160	1020	1870	1090	741
3	843	706	818	986	1860	1530	1350	1260	1020	1320	1510	822
4	915	1200	986	406	1740	1520	1340	931	1090	2100	1140	850
5	930	1100	1280	268	1680	1470	1340	1350	897	1750	1150	934
6	986	929	1600	387	1590	1260	1120	1220	978	1450	665	744
7	1230	1040	1650	180	1280	1400	1440	1150	1060	940	648	751
8	1120	977	1180	387	1170	1960	1580	1090	1080	826	640	822
9	1080	1152	1360	455	1100	2050	1490	904	1210	761	635	1060
10	868	822	2570	635	1210	2150	1680	1200	1200	1350	683	1010
11	830	443	2860	1070	1500	1840	1200	854	1350	1310	656	762
12	907	144	3340	1290	1780	1740	1370	985	1550	1170	627	697
13	779	165	1200	1570	1690	1180	1230	957	1710	1160	621	731
14	1030	5	380	1560	1370	1270	1850	918	1670	1170	646	837
15	872	96	450	1450	1330	1160	1580	846	939	961	480	688
16	884	391	500	1430	1270	1580	1520	1060	994	944	626	967
17	846	315	450	1260	1610	1190	1570	1250	917	754	731	890
18	800	681	5	939	1300	1180	1800	845	883	827	876	745
19	1130	1400	5	668	938	2340	1900	951	867	794	847	694
20	673	1590	452	858	517	2910	2080	1330	681	673	898	619
21	941	1870	1080	649	501	1980	1770	973	709	699	713	644
22	874	2090	1180	1100	502	1880	1480	1000	828	639	865	1070
23	889	1880	1420	1090	499	1350	1390	887	786	669	714	1230
24	904	1610	1620	1100	800	1510	1320	905	998	651	755	1400
25	990	1620	1690	931	1000	1440	1350	869	676	607	711	1220
26	1020	1440	1770	418	1060	1560	1390	711	683	576	737	1250
27	834	1210	1720	653	1140	1470	1130	711	672	542	884	878
28	898	1030	2030	605	983	1320	1310	891	758	591	914	1010
29	1020	1270	1880	772	.....	1470	1220	878	3370	630	993	1050
30	1060	1410	1860	918	.....	1340	1220	718	1560	650	647	1260
31	1030	.....	1610	1200	.....	1280	.....	1280	.....	763	639	.....
Mean	936	1018	1331	905	1244	1568	1451	1019	1109	981	790	901
Max.	1230	2090	3340	1570	1980	2910	2080	1510	3370	2100	1510	1400
Min.	673	5	5	180	499	1090	1120	711	672	542	480	619
A. F.	57560	60600	81830	55650	69100	96420	86360	62670	65980	60330	48600	53620

Total acre-feet 798700.

OTTER CREEK NEAR LEMOYNE—Sec. 9-15-40 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	19	19	18	20	18
2	*	*	*	*	*	*	*	19	22	19	20	18
3	*	*	*	19	*	*	*	19	19	18	20	18
4	*	*	*	*	*	*	*	19	19	18	20	18
5	*	*	*	*	*	*	*	19	19	18	20	18
6	*	*	*	*	*	*	*	19	25	20	20	18
7	*	20	*	*	*	*	*	20	19	23	20	21
8	*	*	*	*	*	*	22	20	19	23	20	21
9	20	*	*	*	*	*	*	20	19	23	20	21
10	*	*	*	*	*	*	*	20	19	20	20	21
11	*	*	*	*	*	*	*	22	19	20	19	21
12	*	*	*	*	*	*	*	22	19	20	19	21
13	*	*	*	*	*	*	*	23	19	21	19	21
14	*	*	*	*	*	*	*	22	19	21	19	21
15	*	*	*	*	*	*	21	21	20	21	19	21
16	*	*	*	*	*	*	*	19	19	21	19	19
17	*	*	*	*	*	*	*	19	21	21	19	19
18	*	*	*	*	19	19	*	19	19	21	18	19
19	*	*	*	*	*	*	*	19	19	21	18	19
20	*	*	*	*	*	*	*	19	20	20	18	19
21	*	*	*	*	*	*	*	19	20	21	18	19
22	*	*	*	*	*	*	*	19	19	21	18	19
23	*	*	*	*	*	*	*	18	19	20	18	19
24	*	*	*	*	*	*	*	18	19	21	18	19
25	*	*	*	*	*	*	*	18	19	21	18	19
26	*	*	*	*	*	*	*	18	19	21	21	21
27	*	*	*	*	*	*	*	19	18	21	21	21
28	*	*	*	*	*	*	*	18	18	22	21	21
29	*	*	*	*	–	*	*	19	18	19	20	21
30	*	*	*	*	–	*	*	19	18	19	20	21
31	*	–	*	*	–	*	–	19	.....	22	20	.....
Mean	*	*	*	*	*	*	*	19	19	20	19	20
Max.	*	*	*	*	*	*	*	23	25	23	21	21
Min.	*	*	*	*	*	*	*	18	18	18	18	18
A. F.	†1240	†1200	†1200	†1180	†1060	†1180	†1260	1175	1150	1250	1190	1215

Total acre-feet 14300.
*No record.
†Estimated.

PAWNEE CREEK—Sec. 4-12-27 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	6	5	3	5	3
2	*	*	*	*	*	*	*	4	3	3	5	3
3	*	*	*	*	*	*	*	4	3	3	4	3
4	3	*	*	*	*	*	*	4	5	3	4	3
5	*	*	*	2	7	*	7	3	5	3	4	3
6	*	*	*	*	*	*	*	3	5	3	4	3
7	*	*	*	*	*	*	*	3	5	3	4	2
8	*	*	4	*	*	*	*	3	5	3	4	2
9	*	*	*	*	*	*	*	3	5	3	4	2
10	*	*	*	*	*	*	*	3	6	3	4	2
11	*	*	*	*	*	*	*	3	6	3	4	2
12	*	*	*	*	*	*	*	3	6	3	4	2
13	*	*	*	*	*	*	*	2	6	3	4	3
14	*	*	*	*	*	*	*	2	6	4	4	3
15	*	*	*	*	*	*	*	2	6	4	4	2
16	*	*	*	*	*	*	*	2	7	10	4	2
17	*	*	*	*	*	*	*	2	12	4	4	2
18	*	*	*	*	*	*	*	2	4	3	4	2
19	*	*	*	*	*	*	*	2	4	3	1	2
20	*	*	*	*	*	6	*	2	4	2	1	2
21	*	*	*	*	*	*	13	2	4	2	1	2
22	*	*	*	*	*	*	*	2	4	2	5	4
23	*	*	*	*	*	*	*	2	4	3	3	3
24	*	*	*	*	*	*	*	2	4	2	3	12
25	*	*	*	*	*	*	*	2	4	3	3	14
26	*	*	*	*	*	*	*	2	4	3	3	12
27	*	*	*	*	*	*	*	2	4	3	3	8
28	*	*	*	*	*	*	*	3	4	3	3	4
29	*	*	*	*	--	*	*	3	4	5	3	4
30	*	*	*	*	--	*	*	3	4	5	3	4
31	*	--	*	*	--	*	--	3	--	4	3	--
Mean	*	*	*	*	*	*	*	3	5	3	4	4
Max.	*	*	*	*	*	*	*	6	12	10	5	14
Min.	*	*	*	*	*	*	*	2	3	2	1	2
A. F.	*	*	*	*	*	*	*	167	311	206	252	228

*No record.

PLUM CREEK—Sec. 10-19-49 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	0	*	*	1	0	0	0	0
2	*	*	*	*	*	*	*	1	0	0	0	0
3	*	*	*	0	*	*	*	1	0	0	0	0
4	*	*	*	*	*	*	*	1	0	0	0	0
5	*	*	*	*	*	*	*	1	0	0	0	0
6	*	*	*	*	*	*	*	1	0	0	0	0
7	*	*	*	*	*	*	*	1	0	0	0	0
8	2	*	*	*	*	*	*	1	0	0	0	0
9	*	*	*	*	*	*	*	1	0	0	0	0
10	*	*	*	*	*	*	*	1	0	0	0	0
11	*	*	*	*	*	*	*	1	0	0	0	0
12	*	*	*	*	*	*	*	1	0	0	0	0
13	*	*	*	*	*	*	*	0	0	0	0	0
14	*	*	*	*	*	*	*	0	0	0	0	0
15	*	*	*	*	*	*	*	0	0	0	0	0
16	*	*	*	*	*	*	*	0	0	0	0	0
17	*	*	*	*	*	0	*	0	0	0	0	0
18	*	*	*	*	*	*	*	0	0	0	0	0
19	*	*	*	*	*	*	*	0	0	0	0	0
20	*	*	*	*	*	*	*	0	0	0	0	0
21	*	*	*	*	*	*	*	0	0	0	0	0
22	*	*	*	*	*	*	*	0	0	0	0	0
23	*	*	*	*	*	*	*	0	0	0	0	0
24	*	*	*	*	*	*	*	0	0	0	0	0
25	*	*	*	*	*	*	*	0	0	0	0	0
26	*	*	*	*	*	*	*	0	0	0	0	0
27	*	*	*	*	*	*	*	0	0	0	0	0
28	*	*	*	*	*	*	*	0	0	0	0	0
29	*	*	*	*	--	*	*	0	0	0	0	0
30	*	*	*	*	--	*	*	0	0	0	0	0
31	*	--	*	*	--	*	--	0	--	0	0	--
Mean	*	*	*	*	*	*	*	0.4	0	0	0	0
Max.	*	*	*	*	*	*	*	1	0	0	0	0
Min.	*	*	*	*	*	*	*	0	0	0	0	0
A. F.	*	*	*	*	*	*	*	24	0	0	0	0

*No record.

PUMPKINSEED CREEK NEAR BRIDGEPORT—Sec. 12-19-50 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	12	15	31	33	36	18	38	6.2	8.8	16	28
2	22	12	19	30	33	36	18	37	5	18	15	26
3	30	12	22	29	34	35	18	43	5.2	196	14	26
4	24	12	22	31	35	34	18	50	5	85	7	22
5	22	12	22	31	36	35	18	56	6.8	36	5.6	20
6	36	13	22	32	37	36	15	65	7.9	34	5	20
7	40	12	22	32	36	36	12	62	7.9	25	5.4	19
8	24	13	22	34	36	35	12	43	22	19	5.6	15
9	21	13	22	35	38	34	12	34	57	24	8.2	12
10	18	16	22	35	37	33	13	39	125	24	11	14
11	18	16	22	35	37	34	28	34	150	20	16	14
12	19	15	20	35	37	33	23	30	73	69	20	21
13	19	15	21	34	36	34	83	12	62	74	10	32
14	18	16	24	34	36	30	36	6.6	62	46	9.7	26
15	19	15	26	34	36	21	33	9.7	58	49	13	21
16	19	15	30	35	35	21	32	57	64	42	12	16
17	19	15	32	34	36	23	31	16	47	36	11	16
18	19	16	32	30	36	21	33	9.4	51	37	9.4	16
19	19	18	34	35	36	20	37	37	45	34	8.2	21
20	19	17	34	36	35	22	37	26	33	21	8.8	20
21	19	16	36	34	35	24	37	3.2	27	17	7.9	20
22	19	16	35	34	36	24	36	2	26	15	15	20
23	19	17	35	34	35	24	34	1.2	20	15	58	32
24	19	16	34	30	34	25	35	1.5	18	14	22	34
25	19	17	35	32	33	25	35	1.6	18	14	16	33
26	19	16	34	29	36	26	36	2.2	16	11	20	35
27	18	15	34	32	36	26	36	2.7	10	15	21	37
28	19	16	33	34	36	26	39	3.2	10	13	21	41
29	15	15	32	33	....	24	42	2.8	10	11	40	41
30	12	15	31	33	....	22	39	3.4	13	11	35	29
31	12	....	31	32	....	21	....	5	....	8.8	32	....
Mean	20.5	14.8	27.6	32.9	35.6	28.3	29.9	23.7	35.4	33.6	16.1	24.2
Max.	40	18	36	36	38	36	83	65	150	196	58	41
Min.	12	12	15	29	33	20	12	1.2	5	8.8	5	12
A. F.	1260	881	1700	2020	1980	1740	1780	1450	2100	2070	989	1440

Total acre-feet 19410.

RED WILLOW CREEK NEAR BAYARD—Sec. 7-20-51 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	107	89	59	50	46	46	45	30	38	43	100	56
2	87	76	59	48	47	46	45	32	45	80	69	50
3	80	70	60	48	47	45	44	28	43	107	58	52
4	74	62	61	46	47	45	44	38	35	100	55	53
5	81	61	63	47	47	44	44	119	34	85	44	52
6	89	62	61	46	46	44	45	79	35	66	40	46
7	81	63	60	47	45	45	43	60	42	68	38	49
8	84	63	60	47	44	46	42	49	97	80	41	68
9	72	64	59	46	44	45	41	26	314	78	51	86
10	66	56	58	47	45	45	40	24	290	60	51	111
11	64	58	59	46	45	46	40	25	127	52	58	119
12	64	58	58	46	45	42	40	24	89	104	63	111
13	64	60	57	46	45	42	43	25	66	104	61	103
14	62	60	55	46	46	42	41	23	54	94	58	97
15	61	62	55	45	46	43	44	38	59	94	56	92
16	60	64	56	45	45	43	48	56	69	110	55	82
17	60	64	56	45	46	43	44	39	48	86	67	78
18	59	64	56	45	46	43	52	33	36	69	94	78
19	59	68	56	47	46	43	49	66	29	66	58	76
20	59	65	56	47	46	43	46	79	27	63	51	76
21	82	63	56	48	46	43	45	49	30	70	50	74
22	93	61	56	48	46	46	42	47	35	56	44	107
23	99	60	56	48	46	46	42	48	37	49	60	149
24	92	60	56	48	46	46	41	44	35	45	72	135
25	76	60	54	47	45	45	40	37	33	43	80	133
26	70	58	54	47	46	46	41	37	40	46	87	130
27	80	58	53	46	46	49	44	43	44	46	132	127
28	90	60	50	46	46	51	44	47	45	49	90	122
29	122	60	50	46	....	48	42	51	46	49	69	119
30	130	59	51	46	....	46	40	48	46	50	61	114
31	124	....	51	46	....	45	....	41	....	87	59	....
Mean	80	63	56	47	46	45	43	45	66	71	64	92
Max.	130	89	63	50	47	51	52	119	314	110	132	149
Min.	59	56	50	45	44	42	40	23	27	43	38	46
A. F.	4940	3740	3470	2870	2540	2760	2580	2750	3900	4360	3910	5440

Total acre-feet 43260.

RED WILLOW CREEK NORTH OF McCOOK—Sec. 6-4-29 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	14	20	29	50	22	25	26	160	28	17	11
2	13	14	20	29	30	23	23	26	432	28	16	500
3	14	15	20	20	29	25	24	26	187	50	14	70
4	14	14	20	10	29	25	25	26	90	42	14	18
5	13	14	19	12	29	25	25	26	80	40	14	16
6	14	14	19	15	29	25	24	25	214	60	14	15
7	14	14	19	20	29	25	22	25	180	35	14	15
8	16	14	19	21	28	26	22	23	80	28	13	20
9	17	15	19	23	26	27	22	26	220	25	13	20
10	16	15	19	24	25	28	22	29	370	22	13	14
11	15	13	18	25	25	28	21	28	160	23	12	12
12	14	14	18	24	25	27	21	25	85	25	12	12
13	13	15	15	24	24	26	22	23	65	270	10	12
14	12	18	14	22	24	25	30	21	57	65	10	11
15	12	18	14	22	23	25	32	21	51	46	8	11
16	11	18	15	22	23	25	30	27	47	40	8	11
17	13	18	16	18	24	25	29	23	45	36	8	11
18	13	19	18	22	24	24	31	22	43	32	9	10
19	14	19	21	24	22	24	30	38	42	30	9	10
20	13	19	21	27	18	24	32	294	40	28	9	10
21	13	19	21	23	18	24	35	45	50	25	44	11
22	13	20	20	20	17	24	36	40	392	24	20	288
23	13	20	16	19	17	25	35	35	70	19	13	81
24	13	20	25	19	18	25	37	30	43	18	11	396
25	13	20	26	20	19	25	40	27	38	15	9	42
26	13	20	27	20	21	26	38	25	345	15	27	34
27	13	20	27	21	22	26	36	23	96	126	11	31
28	13	20	27	24	23	26	34	22	40	29	10	27
29	14	20	26	29	—	26	32	21	32	37	11	26
30	14	20	29	106	—	26	28	20	29	23	11	27
31	14	—	29	75	—	26	—	25	—	21	10	—
Mean	14	17	20	26	25	25	29	35	126	42	13	59
Max.	17	20	29	106	50	28	40	294	432	270	44	500
Min.	11	13	14	10	17	22	21	20	29	15	8	10
A. F.	833	1020	1260	1600	1370	1550	1710	2170	7500	2590	821	3510

Total acre-feet 25900.

RED WILLOW CREEK NEAR RED WILLOW—Sec. 8-3-28 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	13	25	42	96	26	29	33	31	29	24	14
2	12	13	25	45	42	29	30	33	754	30	23	851
3	13	14	25	11	39	30	32	33	290	55	21	114
4	14	14	24	8	38	31	29	32	106	43	21	41
5	14	14	24	11	38	31	31	32	92	58	20	26
6	16	15	23	15	37	30	32	31	442	80	20	21
7	16	15	22	16	34	31	31	30	85	32	20	20
8	16	16	22	16	31	32	31	29	329	26	20	17
9	20	18	18	20	29	33	31	42	340	24	19	16
10	20	20	19	21	30	33	31	37	776	23	19	16
11	18	18	20	22	29	33	31	36	169	30	18	15
12	16	16	22	26	29	31	31	33	85	28	17	15
13	15	17	19	28	29	27	57	31	68	421	17	15
14	17	20	20	26	28	29	33	28	59	71	15	14
15	17	20	23	26	28	27	47	26	51	50	14	14
16	17	22	22	28	27	26	39	45	48	44	15	14
17	16	21	25	22	27	27	36	28	48	38	15	14
18	18	22	26	25	27	27	52	27	46	36	15	14
19	19	24	27	27	27	27	38	29	45	32	15	14
20	20	24	26	32	21	27	42	456	44	29	15	13
21	19	24	27	29	20	26	50	77	43	31	19	14
22	21	24	25	29	19	26	46	46	43	35	37	642
23	19	24	21	36	19	27	44	39	500	25	46	187
24	19	23	31	50	20	27	46	35	76	24	18	748
25	15	25	32	42	23	28	51	31	50	23	16	68
26	15	25	32	50	28	29	48	27	400	22	26	43
27	15	24	36	64	25	29	44	25	41	84	16	38
28	14	26	32	62	26	29	41	24	34	58	16	33
29	14	26	30	99	—	29	39	23	29	36	16	32
30	14	26	37	371	—	29	35	22	29	40	16	33
31	15	—	37	142	—	28	—	21	—	28	15	—
Mean	16	20	26	46	31	29	39	46	172	51	20	104
Max.	21	26	37	371	96	33	57	456	776	421	46	851
Min.	12	13	18	8	19	26	29	21	29	22	14	13
A. F.	1010	1200	1580	2860	1720	1770	2290	2860	10220	3140	1200	6180

Total acre-feet 36030.

REPUBLICAN RIVER AT COLORADO-NEBRASKA LINE

Sec. 10-1-42 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	25	57	59	64	59	59	56	14	8	111	34
2	61	25	57	56	62	61	77	65	41	9	56	45
3	61	26	61	53	67	62	72	64	41	12	40	24
4	47	28	59	54	65	61	65	64	48	14	27	19
5	48	33	59	59	64	62	70	57	230	23	25	21
6	50	29	62	64	62	62	69	59	146	14	15	31
7	48	29	61	54	62	62	65	61	95	14	10	26
8	48	32	62	53	64	64	61	61	103	12	22	28
9	48	28	61	53	62	65	65	59	82	10	13	22
10	47	25	61	59	62	65	64	59	72	10	12	15
11	47	22	59	56	64	67	59	56	70	16	15	13
12	48	30	37	54	62	67	64	56	70	101	12	13
13	47	27	28	57	56	67	74	57	64	130	5.3	11
14	47	110	35	57	59	70	65	51	57	81	3.8	13
15	42	86	40	57	62	70	70	47	59	65	3.6	13
16	41	54	45	61	54	67	76	50	54	48	3.4	14
17	41	56	50	57	56	69	64	50	57	45	3.4	12
18	40	54	50	57	61	70	70	51	34	38	7.7	10
19	40	56	50	57	61	65	74	50	22	32	95	9.3
20	40	56	48	59	56	65	70	54	18	27	53	8.2
21	41	56	130	61	61	65	72	57	17	23	17	11
22	36	56	69	59	59	64	70	64	42	9.9	13	56
23	34	56	67	59	59	64	64	37	13	6.1	37	105
24	34	57	67	59	59	64	57	26	8.7	5.7	119	94
25	33	59	69	57	61	67	59	17	7.7	4.6	37	72
26	31	61	67	57	61	70	56	23	9.3	4.3	74	56
27	32	59	62	61	61	74	57	107	8.7	4.6	54	53
28	32	57	62	61	59	65	59	36	6.5	10	47	56
29	31	56	57	61	—	62	70	18	9.3	5.3	50	65
30	27	56	59	65	—	65	72	13	8.2	23	41	64
31	27	—	59	69	—	61	—	13	—	123	28	—
Mean	41.9	46.8	58.4	58.2	60.9	65.2	66.3	49.6	50.2	29.9	33.9	33.8
Max.	61	110	130	69	67	74	77	107	230	130	119	105
Min.	27	22	28	53	54	59	56	13	6.5	4.3	3.4	8.2
A. F.	2580	2780	3590	3580	3380	4010	3950	3050	2990	1840	2080	2010

Total acre-feet 35840.

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN

Sec. 31-1-37 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	12	27	30	73	96	82	75	5	22	368	34
2	0	10	23	25	67	59	117	75	1080	22	276	40
3	7	9	16	10	62	56	110	73	393	22	82	64
4	0	17	40	9	67	73	113	64	249	131	56	26
5	0	16	24	8	59	113	92	64	806	75	38	16
6	2	16	24	28	56	110	78	45	1180	70	29	16
7	20	16	19	32	24	96	62	47	452	62	26	17
8	8	17	36	36	59	92	49	45	298	34	38	34
9	4	20	38	45	45	85	51	40	619	19	49	34
10	2	16	43	60	54	85	51	43	517	62	32	29
11	0	2	43	60	49	67	54	40	291	34	36	19
12	0	1	36	60	49	35	56	43	186	3830	59	14
13	0	0	12	80	49	39	630	12	163	1080	43	8
14	0	0	20	120	47	90	110	9	113	508	29	6
15	0	1	31	117	49	99	75	8	99	345	23	10
16	3	19	28	99	49	73	62	10	92	229	17	10
17	4	139	27	24	49	67	45	13	92	180	17	10
18	5	32	30	26	40	67	36	15	92	153	20	6
19	4	51	30	28	39	73	92	22	70	148	765	8
20	6	34	100	31	38	73	99	6	64	117	144	4
21	7	30	110	35	40	73	113	5	51	2300	242	2
22	10	27	100	28	43	70	88	6	88	256	117	117
23	12	32	118	28	45	73	78	14	54	117	930	157
24	14	27	110	27	64	70	70	19	43	85	92	256
25	13	38	60	37	60	92	64	13	36	73	70	113
26	13	38	38	29	68	82	54	8	51	82	47	78
27	12	30	36	70	46	85	64	26	51	100	62	73
28	12	24	27	76	64	75	67	54	144	192	47	67
29	12	24	22	84	—	82	126	49	67	82	54	64
30	12	32	30	99	—	85	144	22	38	70	51	102
31	13	—	34	62	—	85	—	14	—	345	32	—
Mean	6.3	24.3	43	48.5	51.9	78.1	97.7	31.6	249	350	126	47.8
Max.	20	139	118	120	73	113	630	75	1180	3830	930	256
Min.	0	0	12	8	24	35	36	5	36	19	17	2
A. F.	387	1450	2640	2980	2880	4800	5820	1940	14840	21510	7720	2840

Total acre-feet 69810.

REPUBLICAN RIVER AT MAX—Sec. 32-2-36 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	56	61	149	212	203	258	176	252	64	56	471	61
2	120	60	143	146	180	190	203	258	2300	50	533	100
3	97	58	137	118	172	172	281	222	891	56	199	120
4	90	60	140	103	172	169	240	190	379	140	155	90
5	82	61	137	80	176	169	212	183	1900	162	135	56
6	123	64	146	90	183	172	190	155	1180	190	103	44
7	110	69	118	131	128	176	165	137	442	162	100	37
8	82	69	152	165	108	169	146	137	546	128	273	44
9	69	71	128	187	137	176	146	143	2070	84	167	87
10	64	73	126	212	155	128	149	137	442	140	131	66
11	60	59	131	212	149	95	152	126	222	172	103	53
12	60	38	141	199	146	60	152	118	172	3820	480	37
13	64	37	72	217	128	73	424	116	146	1700	172	29
14	64	42	67	176	126	64	258	120	131	680	66	44
15	66	46	45	165	126	79	187	113	126	450	63	29
16	60	46	61	176	134	87	183	113	118	433	51	21
17	61	56	54	165	128	101	199	106	103	403	41	23
18	61	54	57	229	134	116	176	108	99	347	61	23
19	61	64	67	262	120	138	169	108	90	291	935	19
20	61	71	85	341	101	155	208	123	75	273	273	18
21	60	101	107	259	130	158	226	99	71	2290	195	18
22	60	110	111	254	127	170	203	110	152	341	176	155
23	58	113	116	488	144	190	194	126	131	213	507	341
24	56	120	126	312	111	183	169	103	84	110	935	418
25	54	134	122	227	81	187	155	97	69	100	163	279
26	55	140	133	260	72	194	149	80	77	96	84	199
27	58	131	142	218	116	231	146	92	120	213	107	181
28	56	128	156	214	254	194	158	180	235	396	93	172
29	55	131	190	332	----	183	176	131	113	163	87	190
30	56	140	235	447	----	176	525	88	77	143	75	240
31	60	----	222	428	----	172	----	77	----	855	58	----
Mean	69	80.2	123	227	141	154	204	134	421	473	226	106
Max.	123	140	235	488	254	258	525	258	2300	3820	935	418
Min.	54	37	45	80	72	60	146	77	64	50	41	18
A. F.	4240	4770	7570	13930	7820	9490	12130	8230	25040	29070	13870	6340

Total acre-feet 142500.

REPUBLICAN RIVER AT CULBERTSON—Sec. 20-3-31 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58	24	166	166	320	465	120	790	58	63	940	68
2	83	24	142	158	245	219	182	506	4620	41	700	200
3	572	28	142	158	210	191	272	420	1910	26	462	258
4	142	28	158	142	182	158	272	360	990	83	288	258
5	83	34	142	89	182	95	200	304	528	73	166	120
6	28	37	120	40	101	127	200	232	2230	150	134	53
7	272	49	166	22	107	174	182	158	1760	134	107	37
8	120	58	158	33	158	150	182	127	1520	134	95	34
9	15	53	142	103	191	166	150	158	3000	101	244	31
10	13	68	113	181	158	182	120	107	2070	89	150	41
11	9	8	107	194	174	200	127	113	915	78	95	58
12	9	6	166	162	150	89	120	89	664	844	712	53
13	6	6	63	150	107	120	790	83	440	5090	440	41
14	5	9	51	142	150	134	865	73	322	1760	158	24
15	3	11	56	166	182	134	550	78	210	1440	101	19
16	19	14	16	190	166	142	484	78	200	915	95	13
17	15	142	11	250	258	127	462	83	182	575	53	9
18	15	1020	23	220	232	120	506	68	142	420	41	9
19	22	1100	64	180	220	113	462	45	83	232	965	2
20	22	616	100	175	200	127	528	232	37	120	890	1
21	22	664	120	190	174	127	462	142	26	1670	304	1
22	22	258	140	230	87	158	484	95	1640	890	340	232
23	22	174	150	300	80	174	484	89	738	506	990	244
24	24	120	160	375	100	166	462	107	244	304	965	688
25	17	174	175	430	109	174	304	68	101	158	790	420
26	13	150	200	470	115	191	258	53	120	120	258	340
27	17	191	1130	500	139	258	288	37	83	101	200	232
28	28	210	1240	580	273	191	272	49	120	288	150	150
29	10	191	688	800	----	200	304	58	200	360	73	150
30	7	174	340	1000	----	166	865	182	113	210	41	158
31	24	----	166	675	----	150	----	107	----	127	101	----
Mean	55	188	213	273	170	167	365	164	842	552	356	131
Max.	572	1100	1240	1000	320	465	865	790	4620	5090	990	688
Min.	3	6	11	22	80	89	120	37	26	26	41	1
A. F.	3410	11190	13120	16800	9460	10290	21730	10100	50110	33920	21910	7820

Total acre-feet 209860.

REPUBLICAN RIVER NEAR BLOOMINGTON—Sec. 8-1-15 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	238	187	324	731	1150	790	450	566	455	787	2090	373
2	223	157	314	596	1140	1150	465	554	1750	662	2360	357
3	1160	145	298	554	1120	829	525	885	9820	608	1460	4440
4	698	139	317	510	976	656	548	864	8090	969	1100	7090
5	426	136	320	379	906	578	590	710	6160	1090	920	6570
6	331	133	328	234	731	554	698	997	5880	878	801	4280
7	289	136	317	176	620	520	644	674	8400	801	644	1870
8	265	139	314	167	548	542	578	578	6800	1430	536	962
9	338	151	314	163	520	548	525	608	11100	864	470	850
10	283	157	314	193	510	692	505	638	12200	620	416	1470
11	277	101	314	254	500	680	465	829	12300	530	378	1960
12	262	68	268	337	490	632	445	686	9210	465	361	948
13	250	53	165	460	485	566	435	626	5680	435	674	620
14	232	54	139	505	485	548	505	554	1960	6800	748	480
15	214	65	122	548	475	515	1310	490	1300	3350	1220	412
16	196	77	117	560	460	495	857	470	934	2180	704	365
17	193	96	113	548	450	460	698	445	927	1780	490	328
18	196	109	114	235	445	430	650	421	822	1890	390	310
19	193	136	107	184	360	416	1150	412	674	1700	353	286
20	187	328	122	178	268	426	745	1360	554	1440	331	268
21	181	385	150	174	173	426	1180	6840	450	1100	310	253
22	187	369	186	173	406	407	1400	2540	836	920	659	256
23	193	342	200	224	383	403	1170	1320	4470	920	6120	694
24	196	328	223	295	373	403	1200	1750	2400	1090	6020	1580
25	199	328	260	388	440	398	1000	1200	1600	857	3670	4090
26	199	324	278	476	507	421	815	969	2870	668	1490	3020
27	193	320	239	472	602	435	710	662	4500	10400	1110	1850
28	193	317	244	451	646	450	632	620	4790	13800	780	1300
29	1050	324	324	468	----	440	596	554	2060	8060	614	1030
30	412	324	486	447	----	435	572	500	1200	4540	490	941
31	241	----	635	425	----	465	----	455	----	3800	408	----
Mean	313	198	257	371	577	539	735	993	4340	2433	1275	1642
Max.	1160	385	635	731	1150	1150	1400	6840	12300	13800	6120	7090
Min.	181	53	107	163	173	398	435	412	450	435	310	253
A. F.	19230	11760	15800	22820	32070	33140	43760	61050	258200	149600	78380	97690

Total acre-feet 823500.

REPUBLICAN RIVER NEAR HARDY—Sec. 6-1S.-5 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	345	422	380	804	653	472	522	726	572	1240	1960	538
2	304	380	385	758	1100	549	560	700	1360	865	1780	1280
3	239	360	340	758	1330	764	566	626	7550	706	1560	1250
4	396	327	345	590	1190	908	662	626	9490	590	1120	2000
5	738	264	390	461	1020	752	626	971	5410	522	908	4300
6	527	226	444	273	999	563	578	797	6900	894	752	5260
7	395	214	380	247	929	480	656	831	7190	810	650	3920
8	309	210	380	271	758	524	804	908	9470	693	578	2280
9	300	210	380	250	726	617	656	804	19400	706	527	1340
10	268	226	375	259	700	662	596	971	16800	943	422	1010
11	296	143	370	274	639	838	566	880	14300	712	406	1060
12	255	104	315	320	560	797	549	810	14500	560	355	1900
13	243	64	161	479	573	662	527	866	9350	488	365	1570
14	222	65	100	584	546	632	510	745	4860	450	680	1130
15	210	78	100	614	540	560	505	706	2970	3960	527	2220
16	200	92	104	644	533	527	978	638	2040	3260	572	712
17	196	104	109	596	515	494	922	590	1460	2310	845	584
18	196	134	134	270	506	505	894	538	1290	1840	572	510
19	189	193	142	173	392	488	790	505	1160	1670	516	472
20	185	262	138	166	260	472	1320	488	1030	1690	466	439
21	178	262	141	245	252	456	1570	3330	880	1540	412	385
22	175	329	155	276	248	466	1100	4580	1640	1280	390	360
23	172	342	187	540	274	422	1320	2090	3480	1050	395	340
24	172	382	225	500	306	456	1130	1320	4500	922	3980	332
25	175	412	262	419	296	428	1150	1520	2640	866	3820	852
26	172	428	315	402	295	434	1040	1410	1580	950	2730	2940
27	172	422	374	426	304	444	901	864	1860	1100	1660	2900
28	182	395	441	420	589	472	797	810	3260	10700	1120	2430
29	196	400	490	426	----	510	745	745	3490	8580	894	1660
30	278	385	581	462	----	527	726	693	1880	4600	706	1330
31	602	----	700	522	----	522	----	632	----	3510	614	----
Mean	274	261	301	433	608	561	809	1055	5410	1936	1041	1577
Max.	738	428	700	804	1330	908	1570	4580	19400	10700	3980	5260
Min.	172	64	100	166	248	422	505	488	572	450	355	332
A. F.	16830	15540	18530	26640	33780	34520	48130	64900	321900	119000	64030	93830

Total acre-feet 857600.

ROCK CREEK AT PARKS—Sec. 21-1-39 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	13	16	16	17	16	17	28	15	12	13	12
2	16	13	16	15	17	16	17	28	17	14	13	14
3	16	13	16	15	17	16	17	24	17	14	12	15
4	15	14	16	16	16	15	15	22	16	14	12	14
5	15	14	16	15	16	15	15	19	15	14	12	13
6	15	15	16	15	15	16	15	17	16	14	11	13
7	14	16	16	16	15	16	15	17	15	14	12	14
8	14	17	16	16	15	16	14	16	36	14	12	14
9	14	17	16	16	14	17	13	16	47	14	12	13
10	14	17	15	16	14	16	13	17	41	13	12	13
11	14	16	14	16	14	16	14	17	25	13	12	13
12	14	15	14	16	14	17	14	16	21	19	13	13
13	14	15	14	15	14	16	16	16	20	17	12	13
14	15	15	15	15	14	15	16	17	18	17	12	13
15	15	15	16	15	14	14	17	17	18	16	13	13
16	15	15	17	16	14	15	19	16	18	15	13	13
17	14	16	18	16	14	15	17	16	17	14	12	13
18	13	17	18	17	14	15	17	15	17	14	12	13
19	13	17	19	15	14	15	17	15	16	13	13	13
20	12	17	19	16	15	14	17	15	16	13	13	13
21	12	17	19	16	15	13	18	14	16	17	13	14
22	11	17	20	16	15	14	18	15	16	16	13	18
23	12	17	20	16	15	15	18	16	16	15	17	17
24	12	17	20	17	15	15	17	15	15	14	16	17
25	12	17	20	15	15	13	17	12	15	13	14	16
26	12	17	20	15	15	10	17	12	15	14	14	14
27	13	17	19	15	15	11	16	14	15	18	14	14
28	13	17	18	15	16	12	15	15	14	18	14	13
29	13	17	18	16	—	14	23	14	12	17	13	15
30	13	17	18	18	—	17	46	14	12	16	13	15
31	13	...	16	18	...	17	...	14	...	13	12	...
Mean	13.6	15.9	17.1	15.8	14.9	14.9	17.3	16.7	18.9	14.8	12.9	13.9
Max.	16	17	20	18	17	17	46	28	47	19	17	18
Min.	11	13	14	15	14	10	13	12	12	12	11	12
A. F.	837	946	1050	972	829	916	1030	1030	1120	910	791	829

Total acre-feet 11260.

SAND CREEK—Sec. 10-15-40 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	3	4	2	3	4
2	*	*	*	*	*	*	*	3	4	2	3	4
3	*	*	*	4	*	*	*	3	4	2	3	4
4	*	*	*	*	*	*	*	3	4	2	3	4
5	*	*	*	*	*	*	*	3	4	2	3	4
6	*	*	*	*	*	*	*	2	3	2	3	4
7	*	4	*	*	*	*	*	2	3	2	3	4
8	*	*	*	*	*	*	4	2	3	2	3	4
9	4	*	*	*	*	*	*	2	3	2	1	4
10	*	*	*	*	*	*	*	2	3	2	1	4
11	*	*	*	*	*	*	*	2	3	2	1	4
12	*	*	*	*	*	*	*	2	3	2	1	4
13	*	*	*	*	*	*	*	2	2	2	1	4
14	*	*	*	*	*	*	*	2	2	2	1	4
15	*	*	*	*	*	*	1	2	2	2	3	3
16	*	*	*	*	*	*	*	3	2	2	3	3
17	*	*	*	*	*	*	*	3	2	2	3	3
18	*	*	*	*	4	4	*	3	2	2	3	3
19	*	*	*	*	*	*	*	3	2	2	2	3
20	*	*	*	*	*	*	*	3	2	2	3	3
21	*	*	*	*	*	*	*	3	2	2	2	3
22	*	*	*	*	*	*	*	3	2	2	2	3
23	*	*	*	*	*	*	*	1	1	2	3	3
24	*	*	*	*	*	*.	*	1	0	3	3	3
25	*	*	*	*	*	*	*	1	1	3	3	3
26	*	*	*	*	*	*	*	1	1	3	4	3
27	*	*	*	*	*	*	*	1	2	3	4	3
28	*	*	*	*	*	*	*	1	2	3	4	3
29	*	*	*	*	..	*	3	4	2	3	4	3
30	*	*	*	*	..	*	*	4	2	3	4	3
31	*	..	*	*	..	*	..	4	..	3	4	..
Mean	*	*	*	*	*	*	*	2	2	2	3	3
Max.	*	*	*	*	*	*	*	4	4	3	4	4
Min.	*	*	*	*	*	*	*	1	0	2	1	3
A. F.	†250	†240	†250	†250	†220	†250	†180	143	143	139	160	205

Total acre-feet 2430.
*No record.
†Estimated.

SAPPA CREEK NEAR BEAVER CITY—Sec. 14-1-23 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	0.2	1.2	1.1	18	1.4	1.2	6.9	404	96	320	19
2	1.2	.1	.8	.9	55	1.3	1.3	6.3	239	83	120	567
3	4.6	.1	.6	.7	33	1.7	3.2	6.7	324	53	88	1480
4	2.3	.1	.5	.9	11	3.3	6.5	7.1	976	42	73	1850
5	1	.1	.5	.9	8.8	4.3	5.5	8	1500	41	66	550
6	.5	0	.4	.9	6.3	3.5	6.3	8.5	842	40	58	209
7	.4	0	.4	.8	6.9	3.5	12	9.2	188	41	54	108
8	.2	0	.4	.9	6.5	2.2	13	8	962	44	48	88
9	.1	0	.4	.9	3.5	2.4	6.1	9.2	1680	42	44	128
10	.1	1.2	.3	1.4	3.7	2.8	4.6	15	1830	34	40	424
11	0	1.7	.4	1.2	4.1	2.5	3.2	31	1830	29	40	194
12	0	1.3	.7	1.1	3	2.4	2.4	17	1680	29	37	135
13	0	.5	.7	.9	2.4	2.8	1	5.2	1010	26	99	114
14	0	.2	.6	1.2	2	2.9	.6	4.6	272	26	46	80
15	0	.1	.6	.9	1.7	2.8	.5	3.7	111	245	41	51
16	0	.1	.9	.9	2.1	2.6	40	3.4	157	754	39	44
17	0	.3	1	1.3	2.1	2.1	15	3	150	988	37	41
18	0	.1	.8	2	1.4	1.6	14	2.6	132	826	34	37
19	0	.1	1.4	1.7	3.1	2	24	2.4	102	366	31	34
20	0	.1	2.3	1.6	2.5	1.7	350	2.1	96	223	29	29
21	0	.2	1.9	1.8	1.7	1.6	93	1.8	80	141	26	19
22	0	.6	1.7	2.3	1.4	1.2	63	758	86	108	195	29
23	0	1	1.8	1.9	1.1	1	62	588	76	88	1030	44
24	0	1.1	2.1	2	.9	1.2	57	90	230	76	140	580
25	0	.5	2.5	2.1	1.5	1.4	37	18	334	70	83	710
26	0	.6	2.3	2.1	1.6	1.2	17	16	388	68	80	229
27	0	.5	2.2	2.5	1.6	1.3	14	10	508	59	78	120
28	76	.3	1.8	2.6	1.6	1.3	11	9.5	334	982	76	93
29	5	.3	1.4	2.7	----	1.3	9	7.3	102	1400	70	76
30	2.3	1	1.3	4.5	----	1.2	8.2	5.7	96	263	46	56
31	.7	----	1.2	4.8	----	1.2	----	4.6	----	572	22	----
Mean	3.1	0.4	1.1	1.7	6.9	2.1	29.4	53.8	557	253	103	271
Max.	76	1.8	2.5	4.8	55	4.3	350	758	1830	1400	1030	1850
Min.	0	0	.3	.7	.9	1	.5	1.8	76	26	22	19
A. F.	190	26	70	102	386	126	1750	3310	33160	15580	6330	16140

Total acre-feet 77170.

SARBEN SLOUGH—Sec. 20-14-35 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	4	3	3	2	2
2	2	*	*	*	*	*	*	4	3	3	2	2
3	*	*	*	*	*	*	*	4	3	3	2	2
4	*	*	*	*	*	*	*	4	3	3	2	2
5	*	*	*	*	*	*	*	4	3	3	2	2
6	*	*	*	*	*	*	*	4	3	3	2	2
7	*	*	*	*	*	*	*	4	3	3	2	2
8	*	2	*	*	*	*	*	4	3	3	2	2
9	*	*	*	*	*	*	1	4	3	3	2	2
10	*	*	*	*	*	*	*	4	3	3	2	2
11	*	*	*	*	*	*	*	4	3	3	2	3
12	*	*	*	*	*	*	*	4	3	3	2	3
13	*	*	*	*	*	*	*	4	3	3	2	3
14	*	*	*	*	*	*	*	4	3	3	2	3
15	*	*	*	*	*	*	*	4	3	3	2	3
16	*	*	*	*	*	*	*	4	3	2	2	3
17	*	*	*	*	*	*	*	4	3	2	2	3
18	*	*	*	*	*	*	*	4	3	2	2	3
19	*	*	*	*	*	*	*	4	3	2	2	3
20	*	*	*	*	*	*	*	4	3	2	2	3
21	*	*	*	*	*	*	*	4	3	2	2	3
22	*	*	*	*	*	*	*	4	3	2	2	3
23	*	*	*	*	*	*	*	3	3	2	2	3
24	*	*	*	3	*	*	*	4	3	2	2	5
25	*	*	*	*	*	*	*	4	3	2	2	4
26	*	*	*	*	*	*	*	4	3	2	3	3
27	*	*	*	*	*	*	*	5	3	2	3	3
28	*	*	*	*	*	*	*	5	3	2	3	3
29	*	*	*	*	--	*	*	5	3	2	3	3
30	*	*	*	*	--	*	*	5	3	2	3	3
31	*	--	*	*	--	*	--	5	--	2	3	--
Mean	*	*	*	*	*	*	*	4	3	2	2	3
Max.	*	*	*	*	*	*	*	5	3	3	3	5
Min.	*	*	*	*	*	*	*	3	3	2	2	2
A. F.	†120	†120	†100	†150	†150	†120	†100	255	177	153	135	165

Total acre-feet 1745.
*No record.
†Estimated.

SCOTTSBLUFF DRAIN NO. 1—Sec. 25-22-55 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	4	7	8	8	14
2	9	*	*	*	*	*	*	4	5	7	7	12
3	*	*	7	*	*	*	*	6	5	6	7	14
4	*	*	*	*	5	*	*	6	5	6	10	18
5	*	*	*	*	*	*	*	7	6	5	9	18
6	*	*	*	*	*	4	*	8	6	5	10	18
7	*	7	*	*	*	*	*	7	7	5	10	18
8	*	*	*	5	*	*	*	6	10	6	10	15
9	*	*	*	*	*	*	*	5	10	6	9	15
10	*	*	*	*	*	*	*	4	10	5	8	20
11	*	*	*	*	*	*	*	3	9	5	9	20
12	*	*	*	*	*	*	*	3	8	12	10	20
13	*	*	*	*	*	*	*	2	7	11	10	20
14	*	*	*	*	*	*	*	3	7	12	9	20
15	*	*	*	*	*	*	*	3	6	9	10	20
16	*	*	*	*	*	*	6	4	6	8	10	18
17	*	*	*	*	*	*	*	3	6	6	10	17
18	*	*	*	*	5	4	*	3	6	6	12	17
19	*	*	*	*	*	*	*	3	6	6	15	19
20	*	10	*	*	*	*	*	3	6	6	14	18
21	*	*	*	*	*	*	*	3	7	5	14	17
22	*	*	*	*	*	*	*	3	7	5	15	17
23	*	*	*	6	*	*	*	6	5	5	15	20
24	*	*	*	*	*	*	*	5	5	5	15	13
25	*	*	*	*	*	*	*	5	5	4	9	14
26	*	*	*	*	*	*	*	5	5	5	10	12
27	*	*	*	*	*	*	*	6	5	6	15	13
28	*	*	*	*	*	*	*	6	4	6	14	13
29	*	*	*	*	_	*	*	7	5	7	10	13
30	*	*	*	*	_	*	4	6	5	10	14	12
31	*	_	*	*	_	*	_	5	_	10	15	_
Mean	*	*	*	*	*	*	*	5	6	7	11	16
Max.	*	*	*	*	*	*	*	8	10	12	15	20
Min.	*	*	*	*	*	*	*	3	4	4	7	12
A. F.	†500	†500	†400	†320	†300	†250	†300	285	378	412	683	982

Total acre-feet 5310.
*No record.
†Estimated.

SCOTTSBLUFF DRAIN NO. 2—Sec. 34-22-54 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	2	7	10	11	8
2	*	*	*	*	*	*	*	3	7	10	8	7
3	*	*	*	*	*	*	*	12	7	10	6	7
4	*	*	*	*	*	*	*	12	8	9	8	9
5	*	*	*	*	*	*	*	3	8	11	6	11
6	*	*	*	*	2	2	*	3	10	11	6	9
7	*	*	*	*	*	*	*	3	10	10	6	9
8	*	*	*	*	*	*	*	3	15	9	6	9
9	*	*	*	*	*	*	*	3	17	10	7	10
10	*	*	*	*	*	*	*	3	15	12	6	12
11	*	*	*	*	*	*	*	2	12	10	6	14
12	*	*	*	*	*	*	*	2	11	12	6	14
13	*	*	*	*	*	*	*	2	9	11	5	13
14	*	*	*	*	*	*	*	2	8	12	6	14
15	5	*	*	*	*	*	*	2	9	13	6	13
16	*	*	*	*	*	*	3	2	8	12	5	24
17	*	*	*	*	*	*	*	2	8	11	5	8
18	*	*	*	*	2	1	*	2	7	10	5	9
19	*	*	*	*	*	*	*	2	9	10	5	9
20	*	3	*	*	*	*	*	3	11	8	7	9
21	*	*	*	*	*	*	*	3	10	10	9	11
22	*	*	*	*	*	*	*	3	10	10	9	12
23	*	*	*	*	*	*	*	5	10	8	7	13
24	*	*	*	*	*	*	*	5	11	7	7	10
25	*	*	*	*	*	*	*	5	9	7	7	10
26	*	*	*	*	*	*	*	5	15	7	7	14
27	*	*	*	*	*	*	*	5	9	7	7	14
28	*	*	*	*	*	*	*	6	9	7	9	14
29	*	*	*	*	_	*	*	6	9	8	7	11
30	*	*	*	*	_	*	2	6	10	7	7	14
31	*	_	*	*	_	*	_	7	_	7	8	_
Mean	*	*	*	*	*	*	*	4	10	10	7	11
Max.	*	*	*	*	*	*	*	12	17	13	11	24
Min.	*	*	*	*	*	*	*	2	7	7	5	7
A. F.	†400	†350	†200	†150	†120	†100	†150	246	592	590	417	675

Total acre-feet 3990.
*No record.
†Estimated.

SHEEP CREEK NEAR MORRILL—Sec. 16-23-57 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	1	57	10	46	42	45	46	6	10	10	10
2	2	1	58	21	50	43	47	48	6	10	10	10
3	2	1	54	54	50	45	45	47	6	10	10	10
4	15	1	55	52	50	45	42	46	6	9	10	10
5	42	1	55	50	50	47	43	46	6	10	10	12
6	26	1	54	51	49	48	46	46	7	10	10	12
7	23	1	54	51	49	48	44	45	7	10	10	12
8	46	1	54	50	48	48	44	45	8	10	10	10
9	45	1	53	50	48	47	45	34	76	9	11	10
10	48	1	53	49	48	46	46	8	158	3	11	10
11	46	33	53	48	48	46	46	7	76	2	11	10
12	47	62	53	48	48	46	46	6	62	6	12	10
13	47	60	53	47	46	46	48	6	64	9	12	11
14	47	61	53	47	46	46	49	6	61	8	10	13
15	50	61	51	46	45	45	47	8	63	8	11	11
16	47	59	52	46	44	42	46	6	58	8	12	11
17	42	57	52	45	44	42	45	6	54	8	12	10
18	39	54	53	46	44	42	43	6	53	8	12	7
19	42	53	50	46	44	42	42	5	27	10	11	8
20	43	55	35	45	44	45	42	5	8	10	11	8
21	42	55	10	44	44	45	42	6	9	10	11	8
22	41	54	10	44	44	46	41	6	8	10	11	28
23	39	54	10	44	44	46	40	6	8	10	11	66
24	42	55	10	43	44	48	40	6	12	10	11	76
25	41	58	10	42	44	47	39	6	24	10	11	70
26	30	58	9	42	42	46	39	6	10	10	11	69
27	2	57	9	42	42	48	46	6	10	10	12	76
28	2	57	8	42	41	49	50	6	10	10	11	64
29	2	57	10	42	....	49	48	6	9	10	11	64
30	1	56	10	43	....	47	46	6	10	10	10	64
31	1	....	9	45	....	46	....	6	....	10	10	....
Mean	30	38	37	44	46	46	44	18	30	8	10	26
Max.	50	62	58	54	50	49	50	48	158	10	12	76
Min.	1	1	8	10	41	42	39	5	6	2	10	7
A. F.	1880	2240	2290	2730	2550	2810	2640	1080	1840	541	666	1570

Total acre-feet 22840.

SILVERNAIL DRAIN—Sec. 6-19-49 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	2	*	*	2	11	3	5	6
2	*	*	*	3	*	*	*	2	5	2	6	6
3	*	*	*	*	*	*	*	2	4	8	7	6
4	*	*	*	*	*	*	*	2	8	4	6	7
5	*	*	*	*	*	*	*	2	11	8	7	6
6	*	*	*	*	*	*	*	2	13	11	6	7
7	*	*	*	*	*	*	*	2	14	5	3	8
8	3	*	*	*	*	*	*	10	14	3	3	7
9	*	*	*	*	*	*	*	1	25	3	6	7
10	*	*	*	*	*	*	*	1	17	8	2	8
11	*	*	*	*	*	*	*	1	14	4	3	7
12	*	*	*	*	*	*	*	1	11	17	2	6
13	*	*	*	*	*	*	*	1	5	19	1	5
14	*	*	*	*	*	*	*	1	4	19	2	6
15	*	*	*	*	*	*	*	2	4	15	2	7
16	*	*	*	*	*	*	*	2	18	9	2	7
17	*	*	*	*	*	3	*	2	5	4	2	7
18	*	*	*	*	*	*	*	2	5	3	2	6
19	*	*	*	*	*	*	*	2	10	3	2	5
20	*	*	*	*	*	*	*	3	8	4	2	5
21	*	*	*	*	*	*	*	3	2	4	2	5
22	*	*	*	*	*	*	*	3	2	2	2	7
23	*	*	*	*	*	*	*	3	2	5	6	9
24	*	*	*	*	*	*	*	3	5	6	7	9
25	*	*	*	*	*	*	*	3	4	3	8	13
26	*	*	*	*	*	*	*	3	2	2	8	9
27	*	*	*	*	*	*	*	3	2	7	7	6
28	*	*	*	*	*	*	*	3	2	7	8	5
29	*	*	*	*	..	*	*	3	2	3	6	5
30	*	*	*	*	..	*	*	3	2	2	6	6
31	*	..	*	*	..	*	..	4	..	2	6	..
Mean	*	*	*	*	*	*	*	3	7	6	4	7
Max.	*	*	*	*	*	*	*	10	25	19	8	13
Min.	*	*	*	*	*	*	*	1	2	2	1	5
A. F.	†200	†150	†150	†140	†100	†150	†180	153	464	387	272	402

Total acre-feet 2750.
*No record.
†Estimated.

SPOTTED TAIL CREEK, DRY—Sec. 28-23-56 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	13	20	29	12	25
2	*	*	*	*	*	*	*	26	23	29	15	22
3	14	*	6	*	*	*	*	15	24	28	17	21
4	*	*	*	*	*	15	*	15	22	28	21	23
5	*	*	*	*	14	*	*	15	22	27	15	22
6	*	*	*	*	*	*	*	15	21	27	13	20
7	*	7	*	*	*	*	*	15	30	27	17	23
8	*	*	*	14	*	*	*	15	30	28	19	18
9	*	*	*	*	*	*	*	15	30	27	21	18
10	*	*	*	*	*	*	*	17	45	5	19	22
11	*	*	*	*	*	*	*	17	25	6	21	22
12	*	*	*	*	*	*	*	18	25	5	16	19
13	*	*	*	*	*	*	*	18	25	40	15	23
14	*	*	*	*	*	*	*	22	25	28	16	22
15	*	*	*	*	*	*	*	22	20	26	15	18
16	*	*	*	*	*	*	12	30	20	11	15	23
17	*	*	*	*	*	*	*	23	20	6	23	18
18	*	*	*	*	14	*	*	23	21	3	21	18
19	*	*	*	*	*	14	*	22	22	4	24	18
20	*	5	*	*	*	*	*	16	20	6	22	21
21	*	*	*	*	*	*	*	15	18	4	20	5
22	*	*	*	13	*	*	*	22	18	5	20	18
23	*	*	*	*	*	*	*	20	18	17	20	15
24	*	*	*	*	*	*	*	15	26	17	20	22
25	*	*	*	*	*	*	*	16	11	18	25	27
26	*	*	*	*	*	*	*	11	26	18	25	36
27	*	*	*	*	*	*	*	11	24	22	17	28
28	*	*	*	*	*	*	*	15	36	28	29	25
29	*	*	*	*	--	*	*	22	29	17	26	22
30	*	*	*	*	--	*	14	23	26	16	26	28
31	*	--	*	*	--	*	---	15	---	11	24	---
Mean	*	*	*	*	*	*	*	18	24	18	20	21
Max.	*	*	*	*	*	*	*	30	45	40	26	36
Min.	*	*	*	*	*	*	*	11	11	3	12	5
A. F.	†700	†350	†500	†800	†800	†900	†750	1105	1430	1120	1210	1270

Total acre-feet 10935.
*No record.
†Estimated.

SPOTTED TAIL CREEK, WET—Sec. 6-22-55 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	*	*	*	*
2	15	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	17	*	*
4	*	*	*	*	*	11	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	*	*	12	10
6	*	*	*	*	14	*	*	*	*	*	*	*
7	*	12	*	*	*	*	*	*	*	*	*	*
8	*	*	*	15	*	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*	*	*
15	14	*	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	10	*	*	*	*	*
17	*	*	*	*	*	*	*	10	*	*	*	*
18	*	*	*	*	11	*	*	*	*	*	*	12
19	*	*	*	*	*	*	*	*	*	*	15	*
20	*	12	*	*	*	10	*	*	*	*	*	*
21	*	*	*	*	*	*	*	*	*	*	*	*
22	*	*	*	*	*	*	*	*	*	*	*	*
23	*	*	*	14	*	*	*	*	*	11	*	*
24	*	*	*	*	*	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*	*	*	*	*	24
27	*	*	*	*	*	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*	*	*	*	*	*
29	*	*	*	*	--	*	*	*	*	*	*	*
30	*	*	*	*	--	*	10	*	*	*	*	*
31	*	--	*	*	--	*	---	11	--	*	*	--
Mean	*	*	*	*	*	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*	*	*	*	*	*
A. F.	†850	†720	†800	†900	†700	†650	†600	†650	†750	†800	†800	†900

Total acre-feet 9120.
*No record.

SPRING CREEK—Sec. 4-23-58 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	9	10	10	10	8
2	*	*	8	*	*	*	*	9	10	10	10	8
3	*	*	*	*	*	*	*	9	10	10	10	8
4	*	*	*	*	*	*	*	9	10	10	10	8
5	*	*	*	*	7	8	*	9	10	10	10	9
6	*	*	*	*	*	*	*	9	10	10	10	9
7	*	*	*	7	*	*	*	9	10	10	9	9
8	*	8	*	*	*	*	*	9	10	10	9	10
9	*	*	*	*	*	*	*	9	10	10	9	11
10	*	*	*	*	*	*	*	9	10	10	9	12
11	*	*	*	*	*	*	*	9	10	10	9	12
12	*	*	*	*	*	*	*	9	10	10	9	14
13	*	*	*	*	*	*	*	9	10	10	9	14
14	*	*	*	*	*	*	*	9	10	10	9	14
15	*	*	*	*	*	*	*	9	10	10	9	14
16	*	*	*	*	*	*	*	9	10	10	9	14
17	*	*	*	*	*	*	9	9	10	10	9	14
18	*	*	*	*	*	*	*	9	10	10	9	14
19	*	8	*	*	8	7	*	10	10	10	8	13
20	*	*	*	*	*	*	*	10	10	10	8	13
21	*	*	*	*	*	*	*	10	10	10	8	13
22	*	*	*	8	*	*	*	10	10	10	8	11
23	*	*	*	*	*	*	*	10	10	10	8	11
24	*	*	*	*	*	*	*	10	10	10	8	9
25	*	*	*	*	*	*	*	10	10	10	8	9
26	*	*	*	*	*	*	*	10	10	10	8	9
27	*	*	*	*	*	*	*	10	10	10	8	8
28	*	*	*	*	*	*	*	10	10	10	8	8
29	*	*	*	*	_	*	*	10	10	10	8	8
30	*	*	*	*	_	*	*	10	10	10	8	8
31	*	_	*	*	_	*	_	10	___	10	8	_
Mean	*	*	*	*	*	*	*	9	10	10	9	11
Max.	*	*	*	*	*	*	*	10	10	10	10	14
Min.	*	*	*	*	*	*	*	9	10	10	8	8
A. F.	†500	†480	†450	†460	†420	†460	†480	580	620	635	540	638

Total acre-feet 6263.
*No record.
†Estimated.

STINKING WATER CREEK NEAR WAUNETA—Sec. 7-6-35 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	17	24	32	56	35	25	43	16	12	9	9
2	20	17	24	31	46	36	28	36	25	12	9	9
3	20	17	23	33	39	32	34	32	28	12	9	10
4	20	18	24	34	35	28	34	26	21	12	8	9
5	20	19	25	36	32	26	36	27	21	12	8	9
6	19	18	25	22	32	26	31	25	26	11	9	9
7	19	18	24	24	26	30	26	22	25	11	9	9
8	19	15	23	22	27	33	24	21	27	11	9	9
9	19	18	23	23	27	31	23	24	67	11	9	9
10	19	19	23	25	26	29	23	29	44	11	9	9
11	17	16	24	31	27	27	22	25	25	11	9	9
12	16	18	22	36	28	23	22	24	21	17	9	9
13	16	19	24	27	27	23	27	22	18	22	9	9
14	15	19	25	27	27	25	34	19	16	18	9	10
15	15	19	27	27	25	24	27	18	16	14	9	10
16	16	22	28	28	25	25	28	18	15	11	10	10
17	16	28	28	27	25	23	27	19	15	10	9	11
18	16	30	28	33	24	24	36	18	14	10	9	11
19	16	27	27	25	25	25	46	18	14	10	10	11
20	16	25	28	27	21	25	47	28	13	10	10	11
21	16	24	29	29	24	24	55	48	13	10	10	11
22	16	24	32	25	29	24	55	38	29	10	10	14
23	16	24	34	28	27	26	40	39	43	9	10	22
24	16	24	35	36	27	27	35	27	21	9	10	27
25	16	24	34	29	36	28	28	20	14	9	10	28
26	16	25	34	33	26	30	24	18	13	9	10	24
27	15	25	40	30	32	34	23	18	13	9	9	19
28	16	25	33	38	33	34	24	18	13	11	10	18
29	16	24	40	38	___	32	25	18	13	19	9	18
30	16	24	29	60	___	30	32	17	12	12	9	24
31	16	___	28	65	___	27	___	17	___	9	9	___
Mean	17	21	28	32	30	28	31	25	22	12	9	13
Max.	20	30	40	65	56	36	55	48	67	22	10	28
Min.	15	15	22	22	21	23	22	17	12	9	8	9
A. F.	1050	1270	1720	1950	1650	1720	1870	1530	1290	720	562	788

Total acre-feet 16120.

STREVER CREEK—Sec. 1-8-20 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	21	35	22	2	9
2	*	*	*	*	*	*	*	13	40	22	6	37
3	*	*	*	*	*	*	*	2	41	25	2	23
4	*	*	*	*	*	*	*	2	45	25	6	31
5	34	*	*	*	*	*	*	49	40	25	4	32
6	*	*	*	*	5	*	*	55	35	19	3	33
7	*	*	2	*	*	6	*	20	29	22	1	38
8	*	*	*	*	*	*	*	15	33	22	3	25
9	*	*	*	4	*	*	*	14	33	21	2	21
10	*	*	*	*	*	*	*	14	60	20	1	15
11	*	*	*	*	*	*	*	13	58	15	1	9
12	30	*	*	*	*	*	*	13	51	18	4	16
13	*	*	*	*	*	*	*	13	50	25	5	17
14	*	*	*	*	*	*	7	13	43	32	5	20
15	*	*	*	*	*	*	*	10	56	27	0	20
16	*	*	*	*	*	*	*	13	41	20	0	17
17	*	*	*	*	*	*	5	11	36	23	4	15
18	*	*	*	*	*	*	*	11	28	31	0	16
19	*	*	*	*	*	*	*	10	22	41	0	11
20	*	*	*	*	*	*	*	29	16	27	0	7
21	*	*	*	*	*	5	*	19	14	26	2	8
22	*	*	*	*	*	*	*	19	20	27	1	13
23	*	*	*	*	*	*	*	19	22	19	1	18
24	*	*	*	*	*	*	*	21	25	17	3	25
25	*	*	*	*	*	*	*	24	22	16	7	27
26	*	*	*	*	*	*	*	28	22	16	8	31
27	*	*	*	*	*	*	*	28	22	15	4	38
28	*	*	*	*	*	*	*	28	21	16	10	28
29	*	*	*	*	_	*	*	22	22	12	16	23
30	9	*	*	*	_	*	*	28	22	6	16	27
31	*	_	*	*	_	*	_	24	...	3	14	...
Mean	*	*	*	*	*	*	*	19	33	21	4	22
Max.	*	*	*	*	*	*	*	55	60	41	16	38
Min.	*	*	*	*	*	*	*	2	14	3	0	7
A. F.	†1500	†400	†200	†250	†300	†350	†380	1190	1990	1290	260	1290

Total acre-feet 9400.
*No record.
†Estimated.

TUB SPRINGS—Sec. 8-22-55 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	38	50	21	1	12
2	*	*	*	*	*	*	*	53	38	18	3	6
3	*	*	29	*	*	*	*	49	25	33	2	6
4	*	*	*	*	*	26	*	50	11	57	1	6
5	*	*	*	*	*	*	*	51	21	54	1	5
6	*	*	*	*	25	*	*	48	25	57	1	19
7	*	32	*	*	*	*	*	30	32	22	1	37
8	*	*	*	25	*	*	*	25	102	12	1	16
9	*	*	*	*	*	*	*	13	115	10	1	31
10	*	*	*	*	*	*	*	18	82	9	1	39
11	*	*	*	*	*	*	*	20	55	6	1	52
12	*	*	*	*	*	*	*	14	52	73	1	26
13	*	*	*	*	*	*	*	3	49	60	1	32
14	*	*	*	*	*	*	*	13	77	90	1	62
15	37	*	*	*	*	*	*	6	66	71	1	49
16	*	*	*	*	*	*	22	3	52	49	2	48
17	*	*	*	*	*	*	*	1	46	31	6	50
18	*	*	*	*	23	*	*	1	42	35	34	52
19	*	*	*	*	*	*	*	10	48	35	28	52
20	*	31	*	*	*	21	*	11	51	33	29	35
21	*	*	*	*	*	*	*	3	54	7	18	39
22	*	*	*	*	*	*	*	10	46	6	22	61
23	*	*	*	25	*	*	*	10	59	2	40	66
24	*	*	*	*	*	*	*	5	4	3	48	63
25	*	*	*	*	*	*	*	5	5	2	30	92
26	*	*	*	*	*	*	*	1	5	4	17	92
27	*	*	*	*	*	*	*	1	4	9	16	94
28	*	*	*	*	*	*	*	1	7	4	13	97
29	*	*	*	*	_	*	*	8	58	4	7	98
30	*	*	*	*	_	*	20	21	34	4	8	63
31	*	_	*	*	_	*	_	21	...	1	26	...
Mean	*	*	*	*	*	*	*	18	44	27	12	47
Max.	*	*	*	*	*	*	*	53	115	90	48	98
Min.	*	*	*	*	*	*	*	1	4	1	1	5
A. F.	†2200	†1900	†1700	†1600	†1350	†1450	†1300	1077	2608	1630	718	2777

Total acre-feet 20310.
*No record.
†Estimated.

WHITE HORSE CREEK—Sec. 5-13-29 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	2
3	*	*	*	*	*	*	*	*	*	*	*	*
4	2	*	*	*	*	*	*	*	*	*	*	*
5	*	*	*	10	*	*	*	17	*	*	4	*
6	*	*	*	*	*	*	*	*	*	*	*	*
7	*	*	*	*	25	*	19	*	*	*	*	*
8	*	*	*	*	*	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	1	*	*
11	*	*	*	*	*	*	*	*	15	*	*	*
12	*	*	*	*	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	28	*	*	*	*	*
15	*	*	*	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	12	*	*	*	*
17	*	*	*	*	*	*	*	*	*	*	*	1
18	*	*	*	*	*	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*	*	*	*	*	*
20	*	*	*	*	*	18	*	*	*	*	*	*
21	*	*	*	*	*	*	*	*	*	*	*	*
22	*	*	*	*	*	*	*	*	*	*	*	*
23	*	*	*	*	*	*	*	*	*	*	*	*
24	*	*	*	*	*	*	19	*	*	*	*	12
25	*	*	*	*	*	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*	*	*	*	2	*
27	*	*	*	*	*	*	*	*	5	*	*	*
28	*	*	*	*	*	*	*	*	*	*	*	*
29	*	*	*	*	—	*	*	*	*	*	*	*
30	*	*	*	*	—	*	*	*	*	*	*	*
31	*	—	*	*	—	*	—	*	—	*	*	—
Mean	*	*	*	*	*	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*	*	*	*	*	*
A. F.	†150	†300	†400	†500	†800	†1100	†1300	†900	†600	†120	†180	†200

Total acre-feet 6550.
*No record.
†Estimated.

WHITE RIVER AT CRAWFORD—Sec. 9-31-52 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	17	17	20	22	21	22	22	16	10	7.2	9.5
2	12	17	17	19	21	21	46	20	16	11	7.6	8.9
3	12	16	17	19	21	22	68	21	15	12	7.4	9.5
4	12	16	17	18	22	29	23	22	15	12	7.6	11
5	12	16	18	18	20	23	22	22	14	12	7.2	10
6	14	17	18	19	17	21	24	21	14	11	6.9	9.6
7	13	17	18	20	14	21	23	19	16	11	6.4	11
8	13	18	18	20	15	22	23	19	21	10	6.1	10
9	12	19	18	20	16	21	22	18	28	10	6.1	12
10	12	19	19	20	20	21	23	18	48	11	6.1	12
11	12	19	18	20	21	19	22	18	32	10	6.1	11
12	13	19	17	20	21	19	22	17	18	18	5.8	10
13	13	20	16	21	20	19	25	17	18	17	6	9.8
14	13	20	18	21	21	20	27	17	17	12	5.8	9.8
15	14	20	21	21	20	21	30	24	17	12	6	10
16	14	19	20	19	21	21	25	19	25	12	6	9.8
17	14	18	20	18	22	21	23	17	22	11	9.1	9.6
18	14	17	20	16	23	21	23	18	18	10	17	9.6
19	14	17	20	18	23	21	22	18	14	9.8	11	9.6
20	14	16	20	18	20	24	22	18	13	9.5	27	9.8
21	15	16	20	18	18	21	22	17	13	8.9	18	14
22	15	16	20	18	22	22	23	17	13	8.4	12	14
23	16	17	20	18	22	22	24	17	13	8	11	14
24	16	17	20	16	21	21	24	17	13	7.1	11	14
25	16	17	19	16	22	21	22	16	13	7.4	11	13
26	15	18	16	18	23	24	22	16	13	7.2	12	12
27	16	18	15	19	23	24	22	16	13	7.6	12	12
28	16	18	15	22	22	22	22	16	16	7.7	11	13
29	16	18	15	22	—	22	22	16	13	7.2	11	13
30	16	18	16	23	—	21	22	16	11	7.6	11	13
31	16	—	18	22	—	22	—	16	—	7.4	10	—
Mean	14	17.7	18.1	19.3	20.5	21.6	25.4	18.2	17.6	10.2	9.6	11.2
Max.	16	20	21	23	23	29	68	24	48	18	27	14
Min.	12	16	15	16	14	19	22	16	11	7.1	5.8	8.9
A. F.	861	1050	1110	1180	1140	1330	1510	1120	1050	626	592	663

Total acre-feet 12230.

WHITE RIVER NEAR CHADRON—Sec. 18-33-49 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	0.6	2.4	3.2	1.2	3.0	11	7.7	37	3.4	1.0	1.6
2	26	.4	2.3	2.6	1.6	3.5	18	7.7	55	28	2.2	1.4
3	8.0	.4	2.2	1.8	1.6	4.1	74	15	21	9.6	2.5	1.0
4	4.9	.5	2.7	1.4	1.6	3.7	21	11	13	4.7	.8	.2
5	3.5	.6	3.2	1.2	1.7	3.5	13	7.7	11	4.5	2.2	.8
6	3.5	1.0	3.6	.8	1.8	3.7	34	17	7.2	2.8	1.7	1.9
7	3.8	.7	2.2	.6	1.7	3.8	110	20	7.5	1.9	1.0	.7
8	4.0	.5	2.0	.8	1.5	3.2	24	9.2	11	86	1.2	1.0
9	3.1	.6	1.9	1.0	1.6	3.7	13	6.0	223	26	1.4	2.1
10	2.3	.2	1.6	1.0	1.4	3.8	10	5.5	823	6.1	.7	2.6
11	1.8	0	2.1	.9	1.9	3.3	8.4	5.0	443	2.6	1.8	2.5
12	1.9	0	1.7	1.2	2.3	2.8	7.8	4.6	128	292	1.3	2.1
13	1.8	0*	1.3	1.1	2.2	2.4	12	4.2	38	564	1.2	1.3
14	1.7	2.5	2.2	1.0	2.1	2.5	412	3.5	20	77	1.4	1.4
15	.8	0	1.2	.9	1.9	2.3	158	2.4	15	15	1.0	1.6
16	.5	1.8	1.8	.7	2.0	2.7	41	2.2	13	9.0	.5	1.0
17	.5	4.0	3.2	.8	1.8	1.8	24	1.9	11	8.4	.8	.6
18	2.6	3.2	3.8	.8	1.6	2.8	17	4.9	10	4.5	1.8	.3
19	2.5	2.5	3.2	.7	1.3	3.0	15	5.0	7.7	3.4	4.0	0
20	3.1	3.5	3.2	.8	1.2	3.1	14	3.5	6.6	2.4	3.8	0
21	1.7	3.6	3.0	.5	1.7	2.8	13	2.9	5.7	1.8	21	0
22	2.5	4.4	3.4	.5	1.4	2.1	13	2.4	5.0	2.2	4.6	1.6
23	2.9	3.6	3.2	.6	2.0	1.6	11	1.6	4.7	1.3	3.1	3.2
24	2.6	3.0	3.6	.8	1.4	2.0	9.8	1.6	4.1	.5	2.1	7.7
25	2.8	2.9	3.2	.9	1.3	2.2	8.8	1.9	4.1	.4	1.8	7.7
26	3.4	2.9	3.4	.8	1.6	2.3	8.2	1.8	4.1	0	3.2	3.4
27	2.6	2.9	3.3	.6	2.2	2.2	8.0	1.4	4.1	0	3.6	1.4
28	3.4	2.9	3.4	.6	2.6	5.0	8.4	1.2	4.7	1.9	2.5	1.1
29	2.8	3.1	3.2	.7	.....	223	7.8	1.2	9.6	2.1	2.8	1.0
30	1.6	3.1	3.2	.8	.....	87	8.4	1.6	5.5	2.5	1.9	.5
31	1.1	.....	3.2	.9	.....	21	.....	2.5	.....	1.2	.6	.....
Mean	3.7	1.8	2.7	1.0	1.7	13.4	37.8	5.2	65.1	37.6	2.5	1.7
Max.	26	4.4	3.8	3.2	2.6	223	412	20	823	564	21	7.7
Min.	0.5	0	1.2	.5	1.2	1.6	7.8	1.2	4.1	0	.5	0
A. F.	228	110	166	61	96	821	2250	325	3870	2310	158	103

Total acre-feet 10500.

WHITE TAIL CREEK—Sec. 36-15-38 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	29	32	26	25	28
2	26	*	*	*	*	*	*	30	30	27	25	29
3	*	*	*	*	*	*	*	30	30	27	25	28
4	*	*	*	26	28	27	*	30	29	26	25	26
5	*	*	*	*	*	*	*	30	29	25	25	28
6	*	*	*	*	*	*	*	29	29	23	25	28
7	*	*	*	*	*	*	*	29	29	23	25	28
8	*	26	*	*	*	*	25	29	29	23	25	27
9	*	*	*	*	*	*	*	29	29	23	25	26
10	*	*	27	*	*	*	*	29	29	23	25	24
11	*	*	*	*	*	*	*	29	29	23	25	23
12	*	*	*	*	*	*	*	30	29	24	25	23
13	*	*	*	*	*	*	*	30	29	24	25	23
14	*	*	*	*	*	*	*	29	29	24	25	23
15	*	*	*	*	*	*	*	29	29	25	25	23
16	*	*	*	*	*	*	27	33	29	26	26	23
17	*	*	*	*	*	*	*	29	29	27	28	23
18	*	*	*	*	*	28	*	29	28	27	28	23
19	*	*	*	*	*	*	*	29	28	27	28	23
20	*	*	*	*	*	*	*	30	27	27	28	23
21	*	*	*	*	*	*	*	29	27	26	28	23
22	*	*	*	*	*	*	*	30	27	25	28	23
23	*	*	*	*	*	*	*	30	27	23	28	24
24	*	*	*	*	*	*	*	29	27	22	27	24
25	*	*	*	*	*	*	*	29	27	22	27	24
26	*	*	*	*	*	*	*	29	27	23	26	24
27	*	*	*	*	*	*	*	32	27	24	26	24
28	*	*	*	*	*	*	*	30	27	25	28	24
29	*	*	*	*	..	*	30	29	27	25	28	24
30	*	*	*	*	..	*	*	34	26	25	28	24
31	*	..	*	*	..	*	..	33	....	25	28	....
Mean	*	*	*	*	*	*	*	30	28	25	26	25
Max.	*	*	*	*	*	*	*	34	32	27	28	29
Min.	*	*	*	*	*	*	*	29	26	22	25	23
A. F.	†1600	†1600	†1650	†1600	†1500	†1650	†1200	1835	1685	1515	1615	1470

Total acre-feet 18920.
*No record.
†Estimated.

WINTERS CREEK—Sec. 30-22-54 W.
Year Ending September 30, 1941

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	73	40	35	37	42	38	37	66	23	20	22	36
2	65	41	35	42	42	38	39	65	16	35	20	29
3	65	41	36	42	42	39	40	52	14	53	19	32
4	78	39	38	42	42	37	39	78	15	48	24	23
5	73	38	38	42	42	38	40	72	20	46	26	24
6	73	38	38	42	41	39	40	55	25	46	31	33
7	61	39	39	42	40	39	38	54	30	29	32	29
8	68	39	40	42	39	40	37	51	69	34	27	52
9	61	40	38	42	39	39	36	53	142	31	24	54
10	57	39	39	40	39	39	34	51	114	30	41	52
11	52	38	42	40	39	39	33	48	63	32	28	39
12	48	38	42	42	38	37	32	50	56	98	26	48
13	44	39	42	42	39	37	31	47	55	83	26	51
14	48	39	45	39	39	37	33	23	66	59	25	64
15	46	40	48	37	41	37	32	38	72	51	26	52
16	45	40	49	36	42	38	32	23	69	29	46	54
17	44	39	47	36	41	38	34	11	71	25	75	45
18	45	39	47	34	41	37	36	12	66	36	86	44
19	45	38	47	33	39	37	35	20	50	22	63	46
20	45	39	43	32	39	37	35	7	49	37	45	48
21	45	38	40	31	39	38	35	8	28	30	48	68
22	45	38	38	31	38	38	35	8	15	30	53	76
23	44	38	36	36	38	39	35	8	14	35	56	77
24	44	36	35	42	37	39	36	7	11	41	51	73
25	44	36	34	41	38	39	36	10	9	40	43	71
26	44	36	33	42	37	38	37	9	5	44	41	72
27	41	35	32	42	38	39	39	9	5	54	37	71
28	41	35	31	42	38	39	39	8	5	48	31	72
29	40	35	30	42	....	38	38	10	10	39	35	74
30	40	35	30	42	....	37	53	11	16	23	35	70
31	41	....	30	42	....	37	....	14	....	15	54	....
Mean	52	38	39	39	40	38	36	32	40	40	39	53
Max.	78	41	49	42	42	40	53	78	142	98	86	77
Min.	40	35	30	31	37	37	31	7	5	15	19	23
A. F.	3180	2270	2370	2410	2200	2340	2170	1940	2390	2470	2370	3130

Total acre-feet 29240.

ARIKAREE RIVER AT HAIGLER—Sec. 28-1-41 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	35	28	12	2	41	19	19	68	1	1	1	4
2	24	28	14	1	48	24	13	51	1	1	13	316
3	22	24	16	1	48	30	12	96	1	1	88	88
4	24	19	17	1	61	43	12	40	3	1	38	30
5	28	14	14	1	67	36	12	26	3	1	14	28
6	30	14	15	2	65	66	12	24	2	1	12	191
7	33	16	20	2	53	52	13	20	23	1	10	96
8	26	15	17	2	39	143	19	22	112	2	15	28
9	17	17	24	2	34	292	20	19	203	4	24	17
10	15	15	33	2	26	316	13	28	84	1	10	11
11	13	13	24	2	10	185	12	26	51	1	8	6
12	12	15	23	2	11	981	11	16	75	1	9	26
13	13	16	30	2	5	3160	10	10	112	1	10	81
14	12	15	46	4	5	2070	10	6	120	1	10	148
15	13	15	53	8	4	696	6	6	75	0	10	223
16	12	15	56	16	4	223	4	5	40	0	10	100
17	12	16	48	22	5	96	8	5	22	1	10	56
18	11	17	35	24	7	53	30	5	20	1	7	40
19	12	15	23	24	7	48	92	6	19	1	4	33
20	13	12	23	25	6	43	65	19	68	2	3	26
21	14	10	20	26	8	40	30	24	43	2	2	26
22	17	10	15	27	9	38	24	16	51	10	2	23
23	26	12	5	30	11	33	22	10	112	6	1	20
24	48	13	5	30	13	23	46	5	56	4	1	19
25	40	12	7	28	16	23	71	3	43	3	1	17
26	81	11	7	32	16	24	48	3	26	3	1	17
27	33	9	6	38	18	23	28	1	16	3	1	17
28	28	7	4	42	18	15	22	1	6	3	1	19
29	30	12	5	50	...	17	20	1	3	2	1	19
30	35	12	3	38	...	17	138	1	2	1	1	20
31	35	...	2	41	...	19	.....	2	..	1	1	...
Mean	24	14	20	17	23	285	28	18	46	2	10	58
Max.	81	28	56	50	67	3160	138	96	203	10	88	316
Min.	11	7	2	1	4	15	4	1	1	0	1	4
A. F.	1520	887	1230	1050	1300	17550	1670	1120	2760	121	633	3460

Total acre-feet 33380.

BALD DRAIN—Sec. 32-23-56 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	2	*	*	*	*	*	*	14
4	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	4	*	*	*	*
6	*	*	*	*	*	*	*	*	17	*	*	*
7	*	*	*	*	*	*	*	*	*	*	*	*
8	*	*	*	*	*	*	1	*	*	*	*	*
9	5	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	2	*	*	16	*	*	*
13	*	*	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*	10	*
15	*	*	*	*	*	*	1	*	*	*	*	*
16	*	*	*	*	*	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*	*	13	5	*	*
19	*	*	*	*	*	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*	4	*	*	*	5
21	*	*	*	*	*	*	*	*	*	*	*	*
22	*	*	*	*	*	*	2	*	*	*	*	*
23	*	*	*	*	*	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*	2	*	*	*	*
28	*	4	*	*	*	*	*	*	*	*	9	*
29	*	*	*	*	_	*	*	*	*	*	*	*
30	*	*	*	*	_	*	*	*	*	*	*	*
31	*	..	*	*	_	*	_	*	_	*	*	_
A. F.	†280	†200	†200	†200	†150	†120	†100	†150	†900	†450	†500	†550

Total Acre-feet 3800.
*No record.
†Estimated.

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD—Sec. 4-20-52 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40	39	29	26	28	25	26	92	31	48	27	40
2	40	35	29	26	30	26	26	50	30	46	43	41
3	38	37	30	24	30	26	25	40	32	40	43	39
4	39	37	30	24	30	26	25	34	48	37	59	43
5	42	36	30	25	31	28	25	43	37	24	48	46
6	41	36	30	25	31	28	26	43	36	7	45	47
7	40	37	31	24	30	26	26	37	37	4	42	46
8	40	36	31	25	29	28	26	35	37	4	30	43
9	40	35	31	25	28	28	26	36	41	5	39	44
10	39	34	30	24	28	28	26	83	38	22	42	43
11	39	34	30	24	26	27	24	47	40	86	43	45
12	40	35	31	24	26	28	24	58	44	20	44	46
13	39	34	32	24	26	27	24	153	45	12	45	47
14	37	34	33	24	25	31	24	107	39	11	44	45
15	38	34	32	24	25	28	24	63	40	10	44	45
16	37	33	31	24	24	29	24	48	45	10	45	42
17	38	33	30	24	25	28	23	45	46	9	46	44
18	37	34	30	25	22	28	25	42	44	10	42	48
19	37	33	29	25	24	28	33	42	37	12	41	57
20	37	32	29	25	24	28	28	40	40	54	42	50
21	37	30	29	25	24	30	25	38	39	24	45	49
22	38	30	29	25	24	32	25	39	42	18	40	52
23	39	30	28	25	25	32	28	36	42	22	41	54
24	39	29	28	25	24	32	70	36	42	42	43	56
25	37	30	27	25	24	34	45	34	42	33	42	66
26	40	30	27	25	25	29	33	33	41	22	46	57
27	37	30	26	26	25	28	42	33	40	37	45	55
28	38	30	26	26	24	28	33	38	47	35	40	54
29	38	30	26	27	....	28	30	30	43	36	37	56
30	37	30	26	28	....	27	56	32	45	36	40	56
31	37	....	26	28	....	28	....	34	....	35	39	....
Mean	38	33	29	25	26	28	30	49	40	26	42	48
Max.	42	39	33	28	31	34	70	153	48	86	59	66
Min.	37	29	26	24	22	25	23	30	30	4	27	39
A. F.	2370	1980	1800	1540	1460	1740	1780	3020	2400	1610	2600	2890

Total acre-feet 25190.

BEAVER CREEK NEAR BEAVER CITY—Sec. 23-2-23 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	107	19	12	4	10	12	21	152	22	64	112	14
2	97	18	13	4	11	13	18	145	22	64	579	554
3	43	24	13	4	14	11	18	172	20	57	176	93
4	26	15	12	4	23	23	18	190	19	38	151	25
5	23	12	12	4	56	21	18	164	20	28	254	118
6	22	12	12	5	52	24	19	73	148	39	148	74
7	21	12	13	4	38	25	19	83	230	46	203	42
8	19	12	13	4	37	36	20	46	228	41	49	48
9	18	10	13	4	34	40	18	46	122	41	31	33
10	15	9	13	4	23	35	18	72	78	147	36	39
11	16	9	12	5	13	31	17	56	66	247	126	73
12	12	8	14	5	10	32	17	27	323	72	48	28
13	13	7	14	5	11	31	17	32	379	47	94	20
14	12	7	13	5	11	26	17	32	941	38	62	20
15	11	10	14	6	11	23	17	31	801	34	183	18
16	10	10	18	6	12	22	16	29	749	32	209	17
17	9	10	9	6	14	22	16	30	478	85	141	15
18	9	11	24	6	8	21	26	29	162	62	64	14
19	8	12	23	6	7	20	206	30	116	29	42	14
20	8	11	17	6	7	20	276	30	166	20	34	14
21	9	11	8	6	9	18	344	28	172	25	39	13
22	8	12	14	6	12	18	339	28	152	23	99	9
23	8	10	10	7	14	18	203	27	230	23	28	10
24	12	10	8	7	19	18	111	27	416	23	20	9
25	195	11	7	7	11	19	87	26	489	22	18	9
26	56	12	6	8	6	19	80	25	441	42	16	10
27	25	14	5	8	8	17	78	25	171	20	15	9
28	30	14	5	8	11	18	76	25	112	19	14	9
29	29	14	4	9	....	18	67	23	90	18	12	9
30	31	12	4	9	....	18	107	23	76	19	13	9
31	21	....	4	9	....	20	....	23	....	26	12	....
Mean	30	12	12	6	18	22	77	56	248	48	98	46
Max.	195	24	24	9	56	40	344	190	941	247	579	554
Min.	8	7	4	4	6	11	16	23	19	18	12	9
A. F.	1830	709	713	359	976	1370	4570	3470	14760	2960	6010	2720

Total acre-feet 40450.

BEAVER CREEK AT GENOA—Sec. 14-17-4 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	65	70	90	37	75	66	113	75	66	212	45	95
2	57	61	85	33	83	58	117	180	349	244	60	195
3	228	65	80	34	70	68	112	93	146	238	53	648
4	86	53	71	32	75	105	120	98	87	130	61	704
5	73	71	84	33	79	825	110	93	84	119	52	761
6	69	69	80	31	93	366	102	256	72	112	56	309
7	60	73	66	32	107	209	96	318	68	94	92	178
8	65	74	69	41	98	151	86	146	75	104	242	133
9	58	65	57	49	88	133	90	159	84	124	160	112
10	45	84	38	62	124	122	87	150	275	101	136	105
11	60	68	94	72	108	108	90	112	117	90	135	95
12	50	72	115	82	96	111	89	102	118	101	134	93
13	56	84	66	82	98	108	90	93	198	95	66	233
14	48	72	74	84	99	111	85	87	135	85	66	342
15	59	74	95	85	98	104	81	79	128	79	59	148
16	60	70	108	91	99	105	86	78	139	76	60	105
17	58	79	129	93	82	111	75	74	111	67	61	99
18	65	79	101	99	63	116	71	79	98	60	55	91
19	69	92	96	101	62	107	69	70	250	61	54	91
20	59	83	85	98	68	101	72	66	1290	60	48	82
21	54	65	90	98	61	92	71	60	3370	68	42	80
22	61	63	90	98	52	84	67	108	1950	69	43	82
23	61	64	87	98	62	86	67	106	1130	58	41	72
24	53	76	86	95	58	90	69	69	709	54	37	76
25	55	92	71	94	60	112	72	63	444	48	40	71
26	56	68	57	94	53	190	74	63	232	60	47	72
27	95	79	54	93	50	215	71	64	220	48	48	67
28	55	82	37	93	57	183	71	65	185	54	122	74
29	72	87	32	93	...	184	75	64	146	51	624	75
30	70	76	36	89	...	135	68	62	189	48	391	78
31	72	...	32	75	...	125	...	70	...	50	101	...
Mean	67	74	76	74	79	151	85	103	415	92	104	179
Max.	228	92	129	101	124	825	120	318	3370	244	624	761
Min.	45	53	32	31	50	58	67	60	66	48	37	67
A. F.	4150	4380	4670	4540	4400	9280	5050	6350	24720	5670	6410	10640

Total acre-feet 90260.

BIRDWOOD CREEK NEAR HERSHEY—Sec. 2-14-33 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	150	123	162	105	182	247	172	207	182	143	132	129
2	150	129	166	105	179	186	169	169	156	153	112	564
3	146	140	162	105	190	190	153	182	150	150	105	179
4	162	162	169	110	182	176	176	207	150	159	105	129
5	172	156	159	110	179	179	150	316	150	166	129	129
6	162	153	166	110	179	196	153	190	146	153	137	132
7	162	134	166	110	182	159	159	169	140	156	166	132
8	162	137	156	115	182	162	153	169	150	159	179	132
9	146	140	162	120	166	162	156	172	162	182	153	134
10	140	153	150	130	166	172	153	231	166	159	143	137
11	143	156	140	140	162	166	162	196	140	156	134	126
12	153	159	140	145	156	169	159	223	156	156	105	112
13	150	159	145	150	162	166	162	316	140	132	150	146
14	140	153	150	155	166	166	166	215	137	126	118	156
15	146	166	172	155	172	204	156	200	137	129	115	143
16	156	159	156	160	172	159	146	196	159	120	115	143
17	140	172	143	160	196	146	143	186	146	112	120	137
18	143	169	143	160	162	159	316	179	146	105	162	137
19	143	156	143	170	349	166	459	186	166	99	143	137
20	150	134	156	180	327	162	215	193	243	92	134	137
21	159	137	156	200	227	172	176	179	215	99	132	153
22	143	129	156	250	159	172	172	172	193	99	129	153
23	132	120	159	200	169	176	179	159	143	129	129	146
24	132	143	150	215	153	169	243	162	196	123	129	146
25	134	123	132	227	172	166	338	169	153	120	134	169
26	156	134	162	235	300	137	215	172	153	103	143	140
27	134	143	162	219	725	223	186	162	153	153	137	140
28	146	146	125	219	658	126	156	140	196	146	134	150
29	153	153	120	227	.....	129	176	150	137	143	132	156
30	129	172	110	190	.....	150	285	150	134	146	123	169
31	123	.....	105	190	.....	153	.....	182	.....	140	118	.....
Mean	147	147	150	163	228	170	193	190	160	136	132	156
Max.	172	172	172	250	725	247	459	316	243	182	179	564
Min.	123	120	105	105	153	126	143	140	134	92	105	112
A. F.	9040	8750	9210	10050	12640	10440	11510	11700	9510	8350	8130	9310

Total acre-feet 118600.

BLUE CREEK NEAR LEWELLEN—Sec. 30-16-42 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	66	92	96	54	98	114	97	237	114	90	1	1
2	59	93	96	55	99	108	93	146	106	93	1	1
3	59	99	97	70	100	103	92	116	100	88	1	2
4	61	93	96	72	103	95	94	118	98	85	1	1
5	77	91	95	76	104	95	95	172	94	83	1	2
6	85	89	91	80	105	99	96	144	92	78	1	1
7	86	90	94	85	106	89	97	128	96	50	1	10
8	86	88	93	84	107	87	93	126	89	37	1	14
9	89	93	93	87	98	95	94	152	110	26	1	14
10	91	94	89	83	97	97	94	178	110	22	2	14
11	90	94	81	89	98	98	92	118	94	20	2	14
12	89	93	91	96	97	100	89	104	89	20	1	14
13	88	92	91	97	99	102	90	166	91	19	1	14
14	79	90	86	98	99	103	90	200	94	18	1	14
15	74	88	90	98	97	105	91	138	95	16	1	15
16	83	88	93	98	94	98	92	123	100	16	2	15
17	86	88	92	98	81	94	94	112	96	14	2	16
18	88	87	91	108	48	94	107	107	94	13	3	28
19	88	85	90	102	105	100	151	108	93	12	3	42
20	82	81	90	110	130	99	132	112	94	12	2	36
21	80	82	91	125	134	104	116	108	108	10	2	31
22	78	81	91	136	116	107	111	103	126	6	2	33
23	75	82	89	130	104	105	112	103	117	3	1	41
24	66	97	89	108	93	106	133	101	135	2	1	36
25	76	98	86	101	106	96	139	105	116	2	1	42
26	113	101	94	104	106	86	122	105	115	2	1	48
27	140	101	92	105	111	89	112	100	109	2	1	56
28	100	100	72	103	114	88	112	100	109	2	1	58
29	96	100	60	102	.....	94	107	101	106	2	1	52
30	91	100	56	100	.....	95	132	103	97	2	1	50
31	91	.....	54	97	.....	98	.....	110	.....	2	2	.....
Mean	84	92	87	95	102	98	106	127	103	27	1	24
Max.	140	101	97	136	134	114	151	237	135	93	3	58
Min.	59	81	54	54	48	86	89	100	89	2	1	1
A. F.	5180	5450	5370	5850	5650	6040	6290	7820	6120	1680	83	1420

Total acre-feet 56950.

BLUE RIVER, BIG, AT BARNSTON—Sec. 13-1-7 E.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	446	315	367	287	437	220	346	281	406	1700	249	250
2	446	490	382	133	541	312	335	344	276	1420	67	270
3	417	634	263	177	514	201	293	440	239	1180	121	585
4	293	1020	226	188	330	472	291	308	306	860	143	846
5	606	638	337	212	484	599	219	992	353	641	124	992
6	1010	467	274	160	279	1000	230	2270	283	550	186	1010
7	8830	287	223	160	279	1500	234	1200	448	423	285	3460
8	5480	234	182	155	306	1470	214	938	475	398	599	2770
9	4610	200	174	155	353	1300	219	697	523	423	511	1920
10	1780	385	168	177	237	1230	214	535	466	781	505	1780
11	819	180	167	200	242	910	213	5160	423	520	652	1470
12	672	225	138	200	242	602	219	14710	406	304	753	1170
13	387	215	169	188	242	478	213	9820	457	278	846	1030
14	257	257	263	200	244	484	210	4240	355	250	811	870
15	158	154	237	287	276	390	229	2820	406	213	725	784
16	201	250	170	268	226	295	387	2040	406	202	644	965
17	218	409	194	996	204	502	428	1290	393	206	481	1410
18	218	235	293	3120	201	672	243	831	380	206	319	878
19	215	957	200	2560	193	1030	505	753	454	179	283	544
20	330	2660	194	996	213	630	484	856	8630	190	246	400
21	451	276	206	1850	287	754	300	807	6350	219	261	400
22	2920	1010	697	1690	228	641	198	694	2050	190	317	348
23	1450	902	7940	1660	252	517	204	753	3550	173	247	1290
24	739	965	3910	1710	202	210	208	852	4230	196	247	298
25	411	969	437	1710	194	254	219	1160	5020	173	235	250
26	276	788	819	1640	202	4840	225	1100	4180	160	1010	211
27	212	690	523	1370	208	3040	287	835	3170	315	1940	360
28	212	610	339	1210	193	1080	234	718	2690	186	819	310
29	222	403	298	1020	.....	672	173	469	2380	184	490	234
30	358	484	226	807	.....	490	218	472	2110	150	218	237
31	312	.....	266	666	.....	472	.....	517	.....	281	278	.....
Mean	1128	577	654	844	279	880	266	1900	1727	424	471	911
Max.	8830	2660	7940	3120	541	4840	505	14710	8630	1700	1940	3460
Min.	158	154	138	133	193	201	173	281	239	150	67	211
A. F.	69330	34310	40230	51870	15490	54080	15850	116800	102800	26080	28980	54230

Total acre-feet 610000.

BLUE RIVER, LITTLE, NEAR ENDICOTT—Sec. 5-1-3 E.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	227	195	212	141	223	169	212	200	421	780	117	454
2	171	195	193	142	223	167	200	217	870	600	110	405
3	150	185	166	144	212	166	187	214	491	498	104	1270
4	414	174	160	149	208	174	182	198	332	447	106	3050
5	678	162	154	153	204	178	176	208	265	398	104	5630
6	491	155	144	154	198	173	167	195	223	368	964	7710
7	1040	152	133	145	193	171	157	178	221	337	1110	3420
8	600	149	130	142	187	167	155	173	750	324	626	1690
9	330	144	127	142	175	166	154	171	354	306	343	907
10	273	142	118	143	178	164	154	167	394	281	265	717
11	221	141	101	146	178	159	155	271	519	277	235	587
12	193	139	101	150	174	160	154	1260	343	245	212	509
13	178	138	114	156	176	169	149	396	283	237	193	454
14	166	136	118	166	174	169	150	319	368	217	176	412
15	149	134	108	174	176	167	150	261	606	204	166	663
16	157	136	164	198	178	169	152	210	804	189	150	543
17	152	134	159	270	142	185	176	183	587	174	146	614
18	152	134	160	466	111	202	537	171	527	169	133	741
19	152	693	157	540	121	178	304	159	426	183	127	412
20	150	879	155	703	155	217	231	164	882	162	130	350
21	160	620	155	864	178	176	212	159	1480	176	111	315
22	223	930	253	660	208	160	275	173	1830	160	108	285
23	150	543	1430	556	189	159	235	645	1840	149	106	263
24	154	310	947	514	173	157	208	532	1660	144	103	247
25	576	279	447	480	166	374	214	287	1370	169	324	251
26	396	261	330	440	169	634	217	237	1340	390	2170	247
27	259	249	283	416	166	717	298	208	1460	176	3760	243
28	219	233	225	352	180	361	313	178	1580	155	10800	247
29	202	227	187	315	----	287	235	247	1960	133	3650	239
30	189	219	170	291	----	253	214	200	1230	130	849	225
31	187	----	160	259	----	221	----	178	----	121	558	----
Mean	283	273	241	308	179	225	211	270	847	268	905	1103
Max.	1040	930	1430	864	223	717	537	1260	1960	780	10800	7710
Min.	149	134	101	141	111	157	149	159	221	121	103	225
A. F.	17370	16240	14800	18980	9950	13820	12540	16580	50390	16460	55650	65650

Total acre-feet 308400.

BUFFALO CREEK—Sec. 33-9-18 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	14	3	0	0	3	2	9	8	25	2	14
2	8	10	3	0	1	3	2	14	114	20	2	15
3	6	4	3	0	1	3	2	10	66	19	1	129
4	8	4	3	0	1	3	2	6	27	19	0	209
5	12	4	3	0	2	3	2	6	11	19	0	220
6	104	3	3	0	3	4	2	5	8	16	0	104
7	10	3	3	0	3	5	2	3	7	15	0	33
8	10	2	3	0	3	15	2	4	7	14	0	29
9	15	2	4	0	3	35	2	4	7	12	2	28
10	15	4	4	0	3	20	2	4	9	12	2	25
11	20	6	4	1	2	10	2	5	8	12	1	19
12	20	11	4	1	2	4	2	5	8	10	0	21
13	17	10	4	1	2	4	2	5	10	10	7	33
14	15	4	4	1	2	4	2	4	16	10	30	29
15	15	2	4	1	2	4	2	4	8	9	30	54
16	10	2	4	1	2	4	2	7	8	9	177	16
17	10	2	4	1	2	4	2	5	8	14	134	19
18	5	2	4	1	2	4	2	4	8	15	66	16
19	5	3	4	1	2	4	2	4	8	16	76	13
20	15	5	3	1	2	4	2	5	15	13	72	10
21	35	2	3	1	2	3	2	5	26	9	60	47
22	30	1	3	0	2	3	3	4	79	7	70	8
23	10	0	3	0	2	3	3	4	106	7	53	46
24	3	0	2	0	2	3	6	3	104	13	49	7
25	1	0	1	0	2	3	6	3	174	8	48	8
26	1	0	1	0	3	3	4	5	276	3	40	8
27	1	0	0	0	3	3	4	4	307	5	41	8
28	1	0	0	0	3	3	4	5	248	3	28	8
29	1	1	0	0	-	3	4	5	51	2	26	8
30	1	2	0	0	-	3	4	4	30	2	27	18
31	10	-	0	0	-	3	-	9	---	2	27	---
Mean	18	3	3	3	2	6	3	5	6	11	35	38
Max.	104	14	4	1	3	35	6	14	307	25	177	220
Min.	6	0	0	0	0	3	2	3	7	2	0	7
A. F.	840	205	165	22	115	344	159	320	3490	695	2120	2290

Total acre-feet 10765.

BUFFALO CREEK NEAR HAIGLER—Sec. 20-1-40 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.0	9.2	10.0	8	12	12	11	10.0	10	9.2	3.7	4.0
2	11.0	9.2	10.0	9	11	12	10	11.0	10	9.0	3.2	30.0
3	9.8	9.2	10.0	10	12	14	10	17.0	10	7.9	4.7	14.0
4	10.0	8.8	10.0	12	12	14	10	14.0	10	7.5	4.3	12.0
5	9.2	8.8	9.6	14	13	14	10	13.0	10	7.9	4.5	11.0
6	9.2	9.0	9.6	15	12	15	10	11.0	10	7.7	7.1	12.0
7	9.2	8.8	9.6	15	12	14	10	10.0	10	7.3	7.3	12.0
8	9.2	9.2	9.6	14	12	14	10	9.2	11	6.9	7.3	11.0
9	9.2	9.2	9.6	12	12	13	10	9.7	12	6.3	6.9	11.0
10	9.0	9.0	9.2	11	12	13	10	14.0	12	6.0	7.9	11.0
11	8.2	9.4	9.0	10	12	13	10	12.0	12	6.0	7.1	11.0
12	7.5	9.4	10.0	11	12	12	10	13.0	12	6.3	7.1	13.0
13	7.5	9.4	12.0	13	12	12	10	13.0	13	6.3	8.3	12.0
14	7.5	9.4	11.0	15	12	12	10	11.0	13	6.3	7.3	16.0
15	7.5	9.6	11.0	16	12	12	10	10.0	12	5.8	5.6	15.0
16	7.5	9.6	11.0	16	13	12	10	9.0	12	3.9	3.4	13.0
17	7.7	9.6	11.0	14	12	11	10	9.4	12	3.3	3.3	12.0
18	8.2	9.6	11.0	13	12	11	16	9.4	12	2.9	3.1	12.0
19	7.7	9.6	11.0	12	13	11	28	9.7	11	4.0	3.1	11.0
20	8.6	9.4	11.0	13	15	11	23	9.7	12	5.3	3.1	11.0
21	8.8	9.4	11.0	13	17	12	18	9.7	13	5.4	3.0	10.0
22	9.0	9.8	11.0	13	13	12	16	9.7	14	5.8	3.0	10.0
23	8.6	9.0	12.0	13	13	12	15	9.7	16	6.0	3.0	9.7
24	9.0	10.0	12.0	13	13	12	15	9.7	15	6.5	2.9	9.7
25	9.2	10.0	11.0	13	11	12	16	10.0	14	4.7	2.9	9.7
26	11.0	10.0	10.0	14	10	12	15	10.0	13	6.3	3.1	9.4
27	9.6	10.0	10.0	13	10	11	13	10.0	12	6.3	3.1	9.7
28	9.0	10.0	9.0	12	12	11	12	10.0	11	6.9	3.1	10.0
29	8.6	10.0	9.0	13	....	10	10	9.4	10	6.3	3.1	9.7
30	8.8	10.0	9.0	13	....	10	9	9.4	9	6.5	3.1	9.7
31	9.0	.....	8.0	12	....	10	....	9.4	..	6.2	2.8	.....
Mean	8.8	9.4	10.2	12.7	12.3	12.1	12.5	10.7	11.8	6.2	4.5	11.7
Max.	11.0	10.0	12.0	16.0	17.0	15.0	28.0	17.0	16.0	9.2	8.3	30.0
Min.	7.5	8.8	8.0	8.0	10.0	10.0	9.4	9.0	9.4	2.9	2.8	4.0
A. F.	544.0	563.0	629.0	783.0	682.0	746.0	746.0	659.0	700.0	382.0	280.0	697.0

Total acre-feet 7410.

BULL DRAIN—Sec. 19-13-28 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	*	*	*	*
2	1	*	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*	*	*
5	*	*	1	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*	1	*
7	*	*	*	*	*	*	*	*	*	*	*	*
8	*	*	*	*	*	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*	*	*	1	*	*
10	*	*	*	*	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*	*	*	1
13	*	*	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*	*	*
15	*	1	*	*	*	*	1	*	*	*	*	*
16	*	*	*	*	*	*	*	*	1	*	*	*
17	1	*	*	2	*	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*	*	*	*	*	*
21	*	*	*	*	*	*	*	*	*	*	*	*
22	*	*	*	*	*	*	*	*	*	*	*	*
23	*	*	*	*	*	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*	1	*	*	*	*
28	*	*	*	*	1	*	*	*	*	*	*	*
29	*	*	*	*	..	*	*	*	*	*	*	*
30	*	*	*	*	..	*	*	*	*	*	*	*
31	*	..	*	*	..	*	..	*	..	*	*	..
A.F.	†60	†50	†60	†90	†50	†60	†60	†60	†60	†60	†60	†60

Total acre-feet 730.
*No record.
†Estimated.

CALAMUS RIVER NEAR BURWELL—Sec. 8-21-16 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	280	240	266	174	294	280	280	284	266	262	232	228
2	276	244	266	170	276	280	289	327	253	253	224	472
3	266	258	262	170	280	294	289	308	248	236	224	424
4	258	271	262	170	284	280	317	308	244	236	224	351
5	346	244	266	170	284	298	289	362	236	236	216	303
6	336	244	248	174	280	298	298	346	262	236	216	266
7	303	244	244	178	276	276	289	341	289	244	216	271
8	289	244	244	183	280	312	289	387	271	236	244	253
9	271	244	240	192	268	303	289	387	289	244	220	244
10	262	253	224	205	276	312	280	327	284	244	220	244
11	248	258	224	215	258	294	289	336	280	236	253	244
12	253	258	218	222	266	294	289	308	280	244	228	244
13	266	262	212	232	280	303	289	387	280	236	271	236
14	253	258	212	244	280	308	298	336	253	236	271	262
15	244	258	214	252	284	308	289	327	244	236	271	244
16	240	258	220	260	266	294	271	327	262	228	232	244
17	240	253	232	268	248	303	262	317	262	220	224	244
18	240	253	240	275	232	303	253	312	271	220	216	244
19	240	258	240	282	232	298	258	308	262	232	216	244
20	240	253	240	290	234	312	253	294	298	244	224	236
21	262	253	240	297	238	303	248	298	253	244	220	244
22	258	258	240	310	245	294	258	298	253	244	220	244
23	253	253	232	297	255	303	258	276	244	244	220	266
24	253	258	240	285	262	294	262	276	253	244	220	258
25	258	276	240	271	266	250	317	280	253	244	228	258
26	280	289	266	294	248	222	262	266	258	248	228	258
27	262	280	266	289	228	216	327	253	253	253	248	258
28	262	284	244	276	253	258	280	240	253	258	232	258
29	262	276	220	258	.....	300	280	244	253	248	224	266
30	244	276	200	280	.....	280	280	280	253	248	224	266
31	236	.....	184	289	.....	280	.....	294	.....	224	236	.....
Mean	264	259	237	241	263	289	281	311	262	241	230	269
Max.	346	289	266	310	294	312	327	387	298	262	271	472
Min.	236	240	184	170	228	216	248	240	236	220	216	282
A. F.	16230	15390	14570	14820	14620	17750	16720	19110	15590	14790	14160	16010

Total acre-feet 189800.

CEDAR CREEK—Sec. 11-18-48 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	10	8	10	11	11	10	10	13	13	11	10
2	10	9	8	10	11	11	10	10	12	13	13	10
3	10	8	8	10	11	11	10	10	12	11	13	10
4	12	8	8	10	11	11	10	10	16	11	15	9
5	11	8	8	10	11	11	10	10	13	11	14	9
6	10	8	8	10	11	11	10	10	18	11	15	13
7	10	8	8	10	12	11	10	9	17	10	15	13
8	10	8	8	10	12	11	10	9	20	3	12	15
9	10	8	8	10	12	11	10	8	18	3	13	15
10	10	8	8	10	12	11	10	8	13	3	12	15
11	10	8	8	10	11	11	10	7	12	3	13	5
12	10	8	8	10	11	11	11	6	14	3	4	5
13	10	8	8	10	11	11	11	6	13	3	4	16
14	11	8	8	10	11	12	12	15	12	4	3	16
15	11	8	8	10	11	12	12	16	12	3	3	16
16	11	8	8	11	11	12	11	15	13	3	6	18
17	11	8	8	11	11	12	11	12	12	3	6	18
18	10	8	8	11	11	12	11	11	13	3	6	18
19	10	8	8	11	11	12	12	12	16	3	6	18
20	10	8	8	11	11	11	12	12	14	3	6	16
21	10	8	8	11	11	11	12	12	11	3	4	16
22	10	10	8	11	11	11	12	12	12	3	4	16
23	10	9	8	11	11	11	12	11	20	3	4	16
24	10	8	8	11	11	11	16	11	38	2	4	18
25	11	8	8	11	11	11	15	11	22	2	4	23
26	12	8	8	11	11	11	15	10	13	9	4	22
27	12	8	8	11	11	11	14	11	13	9	4	22
28	12	8	8	11	11	11	14	10	13	0	4	18
29	12	8	8	11	...	11	14	12	11	0	4	18
30	12	8	8	11	...	11	12	12	11	0	6	18
31	11	..	8	11	...	11	...	13	...	11	5	...
Mean	11	8	8	11	11	11	12	10	15	5	8	15
Max.	12	10	8	11	12	12	16	16	38	13	15	23
Min.	10	8	8	10	11	11	10	6	11	0	3	5
A. F.	†655	†485	†490	†645	†620	†690	†690	655	890	320	470	900

Total acre-feet 8000.
† Estimated.

CEDAR RIVER NEAR FULLERTON—Sec. 33-17-6 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	180	157	146	80	145	83	212	232	161	196	103	138
2	176	180	161	78	159	101	208	194	187	165	107	167
3	234	169	167	93	174	119	210	201	178	154	146	739
4	183	178	163	83	178	467	201	178	178	140	118	301
5	176	174	165	93	250	474	194	198	165	159	120	205
6	167	165	165	92	244	344	196	260	172	165	180	178
7	176	169	161	94	198	295	183	229	172	172	154	172
8	180	174	150	101	187	255	178	203	205	148	148	157
9	183	189	105	99	160	247	174	194	222	165	126	157
10	163	169	49	110	217	212	167	174	222	157	122	150
11	148	174	33	121	203	194	183	194	180	146	118	146
12	157	176	46	122	208	208	169	185	227	132	107	146
13	165	174	132	132	215	212	180	187	247	146	118	183
14	163	159	130	138	185	205	192	176	194	128	132	163
15	163	185	134	157	192	224	178	167	189	134	148	161
16	165	185	174	103	97	239	163	178	163	120	120	134
17	163	165	174	172	56	234	165	208	163	114	134	132
18	144	167	164	183	132	227	163	250	157	120	120	138
19	144	167	154	192	112	208	154	315	163	101	126	122
20	144	169	196	227	117	217	176	309	597	105	122	118
21	165	172	142	234	99	196	169	255	222	98	114	114
22	454	169	163	213	99	187	169	203	198	101	107	120
23	307	87	161	202	105	178	165	198	201	91	105	124
24	176	146	130	220	83	159	167	169	180	100	118	120
25	172	232	105	243	82	189	169	172	163	94	103	136
26	167	239	105	192	101	287	174	172	167	91	114	148
27	176	180	105	163	98	255	187	176	167	109	124	148
28	187	167	81	411	83	265	174	165	167	105	167	157
29	187	167	73	344	.....	234	172	159	247	103	150	148
30	178	161	120	282	.....	239	174	150	187	113	124	154
31	176	.....	85	153	.....	239	.....	152	.....	118	167	.....
Mean	184	172	130	165	149	232	179	200	201	129	128	173
Max.	454	239	196	411	250	474	212	315	597	196	180	739
Min.	144	87	32	78	56	83	154	150	157	91	103	114
A. F.	11340	10290	8010	10170	8290	14270	10640	12300	11980	7910	7860	10270

Total acre-feet 123300.

CLEAR CREEK—Sec. 32-16-41 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	9	6	8	8	8	8	10	9	9	4	6
2	7	9	6	8	8	8	8	10	9	9	4	6
3	7	8	6	8	8	8	8	10	9	9	4	6
4	7	8	6	8	8	8	8	10	9	9	4	6
5	7	8	6	8	8	8	8	10	9	9	4	6
6	7	6	6	8	8	8	8	11	9	9	2	7
7	7	6	6	8	8	8	8	11	9	9	0	7
8	7	6	6	8	9	8	8	11	9	7	0	7
9	8	6	7	8	9	8	8	11	9	7	0	7
10	8	6	7	8	9	8	8	11	9	7	0	7
11	8	6	7	8	9	9	8	12	10	7	0	5
12	8	7	8	8	9	9	8	12	10	7	0	5
13	8	7	8	8	9	9	8	12	10	6	0	5
14	8	7	8	8	8	9	8	12	10	6	0	5
15	8	7	9	8	8	9	8	12	10	6	0	5
16	8	7	9	8	9	9	9	10	10	6	0	4
17	9	8	9	8	9	9	9	10	10	6	0	4
18	9	8	9	8	9	9	9	10	10	6	4	4
19	9	8	9	8	13	9	9	10	10	6	4	4
20	9	8	9	8	12	9	9	10	10	5	4	4
21	9	8	9	8	10	9	10	9	12	5	4	6
22	9	8	9	8	9	9	10	9	12	5	5	6
23	8	8	9	8	9	9	10	9	12	5	5	7
24	8	8	9	8	8	9	10	9	12	4	5	7
25	8	7	8	8	8	9	10	8	12	4	6	7
26	8	7	8	8	8	9	10	8	10	4	6	7
27	8	7	8	8	8	9	10	8	9	4	6	7
28	8	7	8	8	8	9	10	8	9	4	6	7
29	8	7	8	8	..	9	10	8	9	4	6	7
30	9	7	8	8	..	9	10	8	9	4	6	7
31	9	..	8	8	..	9	...	8	..	4	6	..
Mean	8	7	7	8	9	9	9	10	10	6	3	6
Max.	9	9	9	8	13	9	10	12	12	9	6	7
Min.	7	6	6	8	8	8	8	8	9	4	0	4
A. F.	†490	†430	†470	†490	†490	†530	†525	†610	†590	†390	†190	†355

Total acre-feet 5560.
† Estimated.

CLEVELAND DRAIN—Sec. 6-20-52 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	5	2	1	1	1	1	0	3	4	6	6
2	2	4	2	1	1	1	1	12	2	6	7	6
3	2	4	2	2	1	1	1	6	2	5	7	5
4	5	3	2	2	1	1	1	7	3	6	10	5
5	4	3	1	2	1	1	1	6	2	6	8	11
6	3	3	1	2	1	1	1	0	2	4	9	9
7	3	3	1	3	2	1	1	0	4	3	9	12
8	3	3	1	4	3	1	1	0	3	3	7	6
9	3	3	1	4	2	1	1	0	3	3	11	6
10	3	3	1	3	2	1	1	5	3	3	10	10
11	3	3	1	3	1	1	1	10	4	16	11	14
12	3	3	1	3	2	1	1	10	4	6	11	13
13	3	3	1	2	3	1	1	15	5	5	11	16
14	3	2	1	2	3	3	1	15	4	4	9	16
15	3	2	1	2	3	3	1	20	4	4	8	20
16	3	2	1	2	3	2	1	13	4	5	4	18
17	3	2	1	1	3	2	1	11	4	4	6	11
18	3	2	1	1	3	3	1	9	4	4	9	11
19	3	2	1	1	2	3	1	7	4	4	8	12
20	3	2	1	1	2	2	1	7	5	5	8	12
21	3	2	1	1	2	2	1	7	5	4	8	10
22	3	3	1	1	2	1	2	6	6	3	7	14
23	3	3	1	1	1	1	2	5	6	2	11	14
24	3	3	1	1	1	1	3	5	4	4	6	16
25	3	2	1	1	1	1	3	3	5	4	5	22
26	5	2	1	1	1	1	3	3	5	6	8	18
27	4	2	1	1	1	1	3	3	5	6	7	19
28	3	2	1	1	1	1	3	3	5	6	7	17
29	3	2	1	1	..	1	2	3	4	6	6	17
30	3	2	1	1	..	1	2	3	4	6	7	17
31	3	..	1	1	..	0	..	3	..	6	6	..
Mean	3	3	1	2	2	1	1	6	4	5	8	13
Max.	5	5	2	4	3	3	3	20	6	16	11	22
Min.	2	2	1	1	1	0	1	0	2	2	4	5
A. F.	†190	†160	†70	†105	†100	†85	†85	390	235	305	490	760

Total acre-feet 2975.
†Estimated.

COLD WATER CREEK—Sec. 34-18-46 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	0	3	*	*	1	1	2	2	10	6	3
2	1	0	3	*	*	1	1	2	2	8	5	1
3	2	0	3	*	*	1	1	2	2	8	5	1
4	1	0	3	*	*	1	1	2	1	8	6	1
5	1	0	3	*	*	1	1	2	3	5	6	1
6	1	0	3	*	*	1	1	2	2	5	5	1
7	1	0	3	*	*	1	1	2	2	8	4	1
8	1	0	3	*	*	1	1	2	2	8	3	1
9	1	0	3	*	*	1	1	2	2	12	4	1
10	1	0	3	*	*	2	1	2	2	7	4	1
11	1	0	3	*	*	2	4	3	3	4	5	3
12	1	0	2	*	*	2	3	3	3	3	4	1
13	1	0	2	*	*	2	2	3	2	2	3	6
14	1	0	2	*	*	3	3	3	2	3	2	3
15	1	0	2	*	*	2	2	3	2	2	2	3
16	1	0	2	*	*	2	2	3	3	2	2	3
17	1	1	2	*	*	2	1	3	2	2	2	3
18	1	1	2	*	*	2	1	3	2	2	2	3
19	1	1	2	*	*	3	2	1	3	3	1	1
20	1	1	2	*	*	3	1	3	8	2	1	1
21	0	1	2	*	*	2	1	3	10	1	2	1
22	0	1	2	*	*	2	1	3	6	1	1	1
23	0	1	2	*	*	2	1	3	5	1	2	1
24	1	1	2	*	*	2	3	2	5	4	2	1
25	1	1	4	*	*	2	3	2	5	1	3	0
26	3	1	3	*	*	2	3	3	5	0	3	1
27	3	1	3	*	*	1	3	2	18	0	2	0
28	2	1	3	*	*	1	2	1	11	0	2	0
29	2	1	2	*	..	1	2	1	10	0	2	4
30	2	1	2	*	..	1	2	2	10	1	1	3
31	1	..	2	*	..	1	..	3	....	10	4	..
Mean	1	0.5	3	*	*	2	2	2	4	4	3	2
Max.	3	1.0	4	*	*	3	4	3	18	12	6	6
Min.	0	0	2	*	*	1	1	1	1	0	1	0
A. F.	71	28	155	*	*	100	105	145	270	245	190	100

Total acre-feet (10 months) 1410.
*No record.

DAWSON COUNTY DRAIN NO. 2—Sec. 25-10-23 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	2	2	2	1	2	2	4	2	4	5	7
2	3	3	2	2	1	2	2	4	2	4	5	17
3	3	3	2	2	1	1	2	4	1	3	6	11
4	3	3	2	2	1	1	1	4	1	3	6	7
5	3	2	2	1	1	1	1	4	1	3	6	6
6	2	2	2	1	1	2	1	3	1	3	6	6
7	2	2	2	1	1	1	1	3	1	3	6	6
8	2	2	2	1	2	1	1	4	1	3	6	8
9	2	2	2	1	2	1	1	4	2	2	6	6
10	2	2	2	1	2	1	1	9	2	2	6	6
11	2	2	2	1	2	1	1	3	2	2	6	6
12	2	2	2	1	1	2	1	2	3	2	6	6
13	2	2	2	1	1	1	1	3	2	2	10	6
14	2	2	2	1	1	2	1	3	2	2	8	6
15	2	2	2	1	1	2	1	2	2	1	7	6
16	2	2	2	1	1	2	1	2	3	2	7	6
17	2	2	2	1	1	1	3	2	2	2	7	5
18	2	3	2	1	1	1	5	2	2	2	7	5
19	2	3	2	1	1	1	5	2	2	2	7	5
20	2	3	2	1	1	1	4	2	12	2	8	5
21	2	3	2	1	1	1	3	2	5	1	6	5
22	2	2	3	1	2	1	2	2	6	2	6	4
23	2	2	3	1	2	1	2	1	4	2	7	4
24	2	2	3	1	2	1	5	1	20	2	7	4
25	3	2	3	1	1	6	7	1	20	4	6	5
26	4	2	3	1	1	5	6	1	6	4	6	5
27	4	2	2	1	1	4	5	1	6	5	6	5
28	3	2	2	1	2	4	4	1	5	5	6	4
29	3	2	2	1	..	3	3	1	4	5	6	4
30	2	2	2	1	..	2	5	1	4	7	7	4
31	2	..	2	1	..	2	..	1	..	6	6	..
Mean	2	2	2	1	1	2	3	3	4	3	6	6
Max.	4	3	3	2	2	6	7	9	20	7	10	17
Min.	2	2	2	1	1	1	1	1	1	1	5	4
A. F.	†145	†133	†133	†69	†71	†113	†155	155	250	180	395	335

Total acre-feet 2140.
†Estimated.

DeGRAW DRAIN—Sec. 24-20-51 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	2	10	5	*	*	*
2	*	*	*	*	*	*	2	8	4	*	*	*
3	*	*	*	*	*	*	2	9	5	*	*	*
4	*	*	*	*	*	*	2	8	3	*	*	*
5	*	*	*	*	*	*	2	10	4	*	*	*
6	*	*	*	*	*	*	2	9	3	*	*	*
7	7	*	*	*	*	*	2	7	2	*	*	*
8	*	*	*	*	*	*	2	7	2	*	*	*
9	*	*	*	*	*	*	2	6	11	*	*	*
10	*	*	*	*	*	*	2	9	8	*	*	*
11	*	*	*	*	*	6	2	9	4	*	*	*
12	*	*	*	*	*	*	2	8	5	*	*	*
13	*	*	3	*	*	*	2	12	5	1	*	*
14	*	*	*	*	*	*	3	10	4	*	*	*
15	*	*	*	*	*	*	3	10	3	*	*	*
16	*	*	*	*	4	*	3	9	3	*	*	*
17	*	*	*	*	*	*	2	8	2	*	2	*
18	*	*	*	*	*	*	2	9	2	*	*	*
19	*	*	*	*	*	*	5	7	2	*	*	*
20	*	*	*	*	*	*	4	7	2	*	*	*
21	*	*	*	*	*	*	3	7	2	*	*	*
22	*	*	*	*	*	*	3	7	2	*	*	*
23	*	*	*	*	*	*	3	6	2	*	*	*
24	*	*	*	*	*	*	7	5	2	*	*	*
25	*	*	*	*	*	*	6	9	2	*	*	*
26	*	*	*	*	*	*	6	8	2	*	*	*
27	*	*	*	*	*	*	6	7	2	1	*	*
28	*	*	*	*	*	*	6	6	4	*	*	6
29	*	*	*	*	..	*	6	5	3	*	*	*
30	*	*	*	*	..	*	6	5	2	*	*	*
31	*	..	*	*	..	*	..	7	..	*	*	..
Mean	---	---	---	---	---	---	3	8	3	---	---	---
Max.	---	---	---	---	---	---	7	12	11	---	---	---
Min.	---	---	---	---	---	---	2	5	2	---	---	---
A. F.	†410	†360	†160	†240	†250	†370	200	485	200	†75	†120	†240

Total acre-feet 3110.
*No record.
†Estimated.

DUGOUT CREEK, UPPER—Sec. 20-20-50 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	4	1	1	1	1	1	30	16	31	34	44
2	3	5	1	1	1	1	1	11	16	28	63	7
3	3	4	1	2	1	1	1	8	16	15	10	6
4	5	4	1	1	1	1	1	8	21	4	58	6
5	4	4	1	1	1	1	1	14	13	4	40	7
6	4	3	1	1	1	1	1	8	46	4	45	7
7	4	3	1	2	3	1	1	10	33	4	39	7
8	4	3	1	3	2	1	1	8	32	4	48	7
9	4	3	1	3	2	1	1	7	30	4	30	7
10	4	3	1	2	1	1	1	7	15	4	46	7
11	4	3	1	2	1	2	1	2	12	4	24	9
12	4	3	1	2	2	2	0	2	30	4	17	9
13	4	2	1	1	2	2	0	3	27	4	16	7
14	4	2	1	1	2	4	1	3	38	4	13	0
15	4	2	1	1	2	3	1	2	32	4	8	9
16	4	2	1	1	2	3	1	2	38	4	9	9
17	4	2	1	1	3	2	1	2	37	4	5	9
18	4	2	1	1	3	3	1	2	37	4	6	9
19	4	2	1	1	3	2	1	2	39	4	6	10
20	4	2	1	1	2	2	1	2	27	4	6	16
21	4	2	1	1	2	1	1	2	25	3	6	9
22	4	3	2	1	1	1	1	1	26	5	4	14
23	4	3	2	1	1	1	1	1	32	4	5	15
24	4	2	2	1	1	1	25	1	32	5	5	26
25	4	2	3	1	1	1	10	1	27	12	6	28
26	8	2	3	1	1	1	5	1	27	15	6	56
27	8	2	2	1	1	1	4	1	30	47	5	48
28	7	2	2	1	1	1	4	1	30	42	5	87
29	6	2	1	1	..	1	3	1	23	40	5	109
30	5	2	1	1	..	1	2	20	27	44	5	48
31	4	..	3	1	..	1	..	8	....	38	5	....
Mean	4	3	1	1	2	1	2	6	28	13	19	21
Max.	8	5	3	3	3	4	25	30	46	47	63	109
Min.	3	2	1	1	1	1	0	1	12	3	4	6
A. F.	270	150	85	80	90	90	145	340	1650	785	1150	1270

Estimated total acre-feet 6105.

ELKHORN RIVER AT NELIGH—Sec. 20-25-6 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	112	127	142	88	145	120	279	230	381	726	147	140
2	106	126	140	83	182	140	308	250	423	630	137	177
3	108	122	142	72	220	160	343	230	398	540	132	301
4	115	123	137	50	220	170	364	234	357	479	130	248
5	119	122	134	45	204	240	416	265	328	440	147	226
6	112	123	127	49	199	293	472	371	418	164	359	218
7	109	123	132	53	193	267	531	433	420	354	158	202
8	108	126	126	60	184	252	539	489	352	326	153	191
9	112	126	129	64	186	248	483	576	321	113	135	181
10	112	127	86	68	195	267	422	654	308	272	128	167
11	109	127	116	72	187	250	371	736	318	246	124	154
12	108	129	143	77	180	234	327	835	375	226	114	150
13	109	127	120	83	180	230	305	1020	412	210	123	148
14	108	127	110	89	178	237	298	1180	398	197	135	150
15	103	129	140	100	182	256	276	1420	387	190	127	142
16	103	129	170	114	187	256	259	1610	349	178	118	138
17	106	129	156	125	122	250	243	1790	308	164	114	146
18	106	129	156	135	107	245	228	2000	690	164	109	155
19	107	130	158	142	184	243	218	1710	834	159	102	164
20	108	130	166	146	214	254	208	1390	975	153	97	150
21	109	130	143	147	191	259	204	1110	1010	147	94	142
22	111	134	140	154	180	254	197	950	1030	142	89	138
23	111	111	122	156	122	256	191	802	1020	141	87	137
24	107	108	123	156	125	270	189	675	1190	138	86	134
25	108	140	125	156	120	315	197	585	1250	135	85	138
26	130	159	123	159	118	413	193	507	1230	132	86	138
27	245	148	118	158	115	374	193	451	1370	130	87	148
28	156	148	110	158	110	317	191	393	1380	127	94	144
29	143	150	113	156	.....	284	189	344	1260	131	212	144
30	136	145	104	163	.....	254	191	331	866	188	246	146
31	132	.....	93	172	.....	261	.....	334	.....	158	161	.....
Mean	118	130	130	111	169	254	294	771	679	242	133	165
Max.	245	159	170	172	220	413	539	2000	1380	726	359	301
Min.	103	108	86	45	107	120	189	230	308	113	85	134
A. F.	7280	7740	8020	6840	9380	15610	17500	47410	40380	14880	8160	9830

Total acre-feet 193000.

ELKHORN RIVER AT WATERLOO—Sec. 21-16-10 E.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	386	505	485	232	600	346	1280	659	762	3340	535	545
2	400	480	460	254	630	378	1280	653	1020	2890	550	460
3	410	460	450	220	590	366	1310	678	1560	2770	867	495
4	415	450	450	228	530	308	1330	678	1110	2270	1000	535
5	605	435	445	204	462	547	1250	691	854	1800	717	578
6	1310	415	445	200	466	2440	1170	672	802	802	834	1180
7	1450	400	440	212	450	3280	1120	678	782	1380	691	1660
8	867	382	450	234	500	2990	1060	672	743	1210	874	1130
9	659	363	450	254	462	3110	1020	691	730	1110	510	802
10	556	337	368	254	478	2510	1020	717	743	1110	1050	698
11	465	333	288	254	442	1630	1010	847	756	972	743	641
12	430	325	261	257	407	1400	1000	814	743	979	623	594
13	382	320	268	265	405	1250	916	902	724	860	556	965
14	363	320	329	276	412	1160	834	1010	795	795	545	1400
15	346	320	350	288	420	1100	867	1080	730	736	495	895
16	337	320	363	303	405	1040	881	1250	743	684	465	860
17	329	325	372	328	362	1010	854	2070	776	641	440	814
18	320	333	412	342	352	979	782	2240	736	611	430	704
19	320	545	460	353	319	944	730	2050	724	1240	420	623
20	320	1370	503	358	322	923	684	2090	2090	1020	400	583
21	333	993	540	367	296	895	647	2380	6290	710	377	611
22	359	678	555	382	296	847	635	2020	5560	605	359	611
23	455	515	605	390	480	814	635	1810	5350	588	344	600
24	510	450	504	400	660	802	629	1470	5510	647	333	530
25	425	405	482	396	550	860	629	1390	2740	972	329	515
26	410	420	463	392	468	2790	635	1310	3400	979	333	515
27	430	460	414	386	384	2700	647	1130	2930	762	329	500
28	515	480	318	408	320	2380	635	1030	3010	847	333	475
29	500	470	266	443	.....	1750	641	944	3370	704	572	465
30	450	470	296	486	.....	1470	653	867	5190	605	808	455
31	465	.....	245	500	.....	1270	.....	802	.....	556	594	.....
Mean	501	469	411	318	445	1429	893	1171	2042	1135	563	715
Max.	1450	1370	605	500	660	3280	1330	2380	6290	3340	1050	1660
Min.	320	320	245	200	296	308	629	653	724	556	329	455
A. F.	30790	27930	25260	19570	24730	87850	53130	71990	121500	69810	34620	42520

Total acre-feet 609700.

ELM CREEK—Sec. 33-9-18 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1	2	0	0	0	0	15	2	1	1	3
2	0	1	2	0	0	0	0	0	40	4	2	115
3	0	1	2	0	0	0	0	7	32	12	1	300
4	0	1	2	0	0	0	0	4	12	18	1	200
5	0	1	2	0	0	0	0	5	12	12	0	50
6	0	1	2	0	0	0	0	9	12	12	0	15
7	0	1	2	0	0	0	0	3	12	1	0	10
8	0	1	2	0	0	0	0	13	12	2	0	8
9	0	1	2	0	0	0	0	4	34	2	0	4
10	0	1	2	0	0	0	0	5	29	2	3	2
11	0	1	1	0	0	0	0	7	18	2	0	1
12	0	4	1	0	0	0	0	7	25	2	0	1
13	0	2	1	0	0	0	0	7	85	2	7	0
14	0	2	1	0	0	0	0	4	17	6	43	0
15	0	1	1	0	0	0	0	2	5	6	4	0
16	0	1	1	0	0	0	0	0	5	7	2	0
17	0	1	1	0	0	0	0	0	4	5	2	0
18	1	1	1	0	0	0	10	0	5	3	4	0
19	1	1	1	0	0	0	6	0	5	2	2	0
20	1	9	1	0	0	0	4	1	110	2	1	0
21	1	5	1	0	0	0	2	1	100	2	2	0
22	1	2	1	0	0	0	2	2	19	2	2	0
23	1	1	1	0	0	0	2	2	7	2	2	0
24	1	1	0	0	0	0	2	2	250	0	2	0
25	1	1	0	0	0	0	10	2	170	0	2	0
26	4	1	0	0	0	0	8	2	65	0	2	0
27	4	1	0	0	0	0	6	2	22	0	2	0
28	3	1	0	0	0	0	4	2	9	0	3	0
29	2	1	0	0	_	0	2	2	3	0	3	0
30	1	1	0	0	_	0	8	2	1	0	3	0
31	1	..	0	0	..	0	..	2	..	0	2	..
Mean	1	1	1	0	0	0	2	4	37	4	3	23
Max.	4	9	2	0	0	0	10	15	250	18	43	300
Min.	0	1	0	0	0	0	0	0	1	0	0	0
A. F.	45	96	66	0	0	0	130	240	2220	215	198	1410

Total acre-feet 4620.

FAIRFIELD SEEP—Sec. 18-21-53 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	6	2	2	1	5
2	*	*	*	*	*	*	*	7	2	2	1	4
3	*	*	*	*	*	*	*	7	2	2	1	3
4	*	*	*	*	*	*	*	8	4	2	1	2
5	*	*	*	*	*	*	*	8	3	2	1	2
6	*	*	*	*	*	*	0.2	8	2	2	1	2
7	*	*	*	*	*	*	*	8	2	2	1	2
8	*	*	*	*	*	*	*	7	2	2	1	1
9	1	*	*	*	*	*	*	7	2	2	1	1
10	*	*	*	*	*	*	*	6	2	2	1	1
11	*	*	*	*	*	*	*	6	2	2	1	1
12	*	*	*	*	*	*	*	8	2	2	1	1
13	*	*	*	*	*	0.4	*	8	2	2	1	1
14	*	*	*	*	*	*	*	8	2	2	1	1
15	*	*	*	*	*	*	.3	7	2	1	1	1
16	*	*	*	*	*	*	*	8	2	1	1	1
17	*	*	*	*	*	*	*	6	2	1	1	1
18	*	*	*	*	*	*	*	4	2	1	3	2
19	*	*	*	*	*	*	*	3	2	1	3	2
20	*	*	*	*	*	*	*	2	2	1	3	2
21	*	*	*	*	*	*	*	2	2	1	2	1
22	*	*	*	*	*	*	*	2	2	1	2	1
23	*	*	*	*	*	*	*	2	2	1	2	1
24	*	*	0.5	*	*	*	.3	2	2	1	2	1
25	*	*	*	*	*	*	*	2	3	2	1	2
26	*	*	*	*	*	*	*	2	3	3	1	1
27	*	*	*	*	*	*	*	2	3	2	1	1
28	*	*	*	*	*	*	*	2	2	2	1	1
29	*	*	*	*	_	*	*	2	2	1	1	1
30	*	*	*	*	_	*	*	6	2	1	1	1
31	*		*	*	_	*		7	_	1	1	_
Mean	—	—	—	—	—	—	—	5	2	2	1	2
Max.	—	—	—	—	—	—	—	8	4	3	3	5
Min.	—	—	—	—	—	—	—	2	2	1	1	1
A. F.	†90	†45	†30	†25	†25	†30	†20	305	130	100	80	95

Total acre-feet 975.
*No record.
†Estimated.

FANNING SEEP—Sec. 28-23-56 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	3	10	10	3	3	5
2	*	*	*	*	*	*	3	5	8	4	4	5
3	*	*	*	*	4	*	3	6	6	4	3	6
4	*	*	*	*	*	*	3	6	7	3	3	6
5	*	*	*	*	*	*	3	10	5	3	5	6
6	*	*	*	*	*	*	3	9	3	3	3	5
7	*	*	*	*	*	*	3	8	3	3	3	8
8	*	*	*	*	*	*	3	8	3	3	4	7
9	*	*	*	*	*	*	3	8	3	4	3	7
10	6	*	*	*	*	*	2	11	3	3	3	6
11	*	*	*	*	*	*	2	11	3	3	3	7
12	*	*	*	*	*	*	2	11	4	8	4	7
13	*	*	*	*	*	3	2	12	4	7	4	7
14	*	*	*	*	*	*	2	14	4	6	5	6
15	*	*	*	*	*	*	2	13	3	5	5	6
16	*	*	*	*	*	*	2	13	3	4	5	6
17	*	*	*	*	*	*	2	13	3	4	5	5
18	*	*	*	*	*	*	16	13	3	4	5	8
19	*	*	*	*	*	*	14	14	5	4	4	10
20	*	*	*	*	*	*	7	16	4	4	4	9
21	*	*	*	*	*	*	4	14	3	3	4	8
22	*	*	*	*	*	*	2	12	7	3	5	7
23	*	*	*	*	*	*	2	10	7	3	5	6
24	*	*	*	*	*	*	2	10	7	3	5	6
25	*	*	*	*	*	*	7	10	6	3	4	9
26	*	*	*	*	*	*	4	10	4	3	5	7
27	*	*	*	*	*	*	3	8	3	6	7	6
28	*	3	*	*	*	*	3	7	5	4	6	6
29	*	*	*	*	_	*	3	5	3	4	6	5
30	*	*	*	*	_	*	3	4	3	3	6	6
31	*		*	*	_	*		12	_	3	5	_
Mean	—	—	—	—	—	—	4	10	4.5	4	4	7
Max.	—	—	—	—	—	—	16	16	10	8	7	10
Min.	—	—	—	—	—	—	2	4	3	3	3	5
A. F.	†340	†200	†220	†200	†180	†190	225	605	265	240	270	390

Total acre-feet 3325.
*No record.

FRENCHMAN RIVER BELOW CHAMPION—Sec. 22-6-39 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	41	29	41	45	50	44	48	66	79	40	44	57
2	56	34	45	43	60	51	36	38	58	22	37	105
3	50	44	31	53	53	52	39	77	58	42	47	98
4	55	24	49	52	54	52	38	73	58	43	48	81
5	46	32	44	51	58	52	35	81	49	44	31	51
6	52	23	30	51	50	50	40	58	46	40	35	41
7	52	26	34	54	64	56	45	51	69	35	40	49
8	41	37	38	46	48	52	33	60	59	38	40	53
9	44	27	43	56	54	60	38	49	59	31	23	30
10	34	44	28	47	54	54	42	45	50	22	38	32
11	39	27	41	49	60	60	39	51	58	34	39	35
12	34	28	29	55	41	67	36	45	42	14	46	39
13	52	33	33	59	51	107	45	55	54	30	39	45
14	37	29	31	53	53	99	46	40	43	23	34	45
15	46	30	44	60	50	73	34	51	49	26	28	44
16	39	27	31	53	54	63	42	49	49	25	30	49
17	49	37	29	60	60	47	45	39	51	21	35	39
18	39	24	32	49	56	43	61	46	43	23	32	49
19	43	34	34	56	56	24	60	45	38	25	36	37
20	53	38	41	59	65	32	73	41	43	31	18	41
21	45	34	26	48	50	30	66	50	44	30	22	51
22	43	49	38	54	52	30	60	43	59	26	34	39
23	47	36	42	51	54	34	56	48	59	20	14	45
24	44	48	30	61	53	31	58	21	56	32	29	44
25	63	46	53	47	58	46	66	42	58	41	28	48
26	73	41	54	54	47	38	58	35	53	39	19	53
27	60	42	54	53	51	44	64	28	46	50	26	52
28	37	47	53	55	56	44	42	62	48	42	38	57
29	45	48	55	48	....	36	26	15	48	46	25	58
30	44	38	58	59	....	44	73	18	45	36	22	47
31	47	....	46	50	....	40	....	20	....	47	32	....
Mean	47	35	40	53	54	50	48	46	52	33	32	50
Max.	73	49	58	61	65	107	73	81	79	50	48	105
Min.	34	23	26	43	41	24	26	15	38	14	14	30
A. F.	2880	2090	2450	3240	3000	3080	2860	2860	3120	2020	2000	3000

Total acre-feet 32600.

FRENCHMAN RIVER, HARVEY DAM SITE—Sec. 3-5-38 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	72	77	76	57	79	76	77	97	148	72	68	61
2	77	64	76	67	91	83	85	95	122	72	71	288
3	80	73	76	61	91	87	75	136	95	76	68	158
4	80	66	60	52	82	83	76	92	85	82	65	129
5	88	72	70	57	92	86	77	105	86	76	65	103
6	82	61	73	63	88	99	75	85	79	62	60	81
7	82	58	73	74	88	87	73	70	79	53	60	77
8	80	54	68	86	86	85	70	73	96	59	53	80
9	79	59	62	90	87	91	70	72	88	55	58	64
10	80	70	71	96	87	103	71	74	87	59	63	60
11	68	71	68	79	91	88	56	66	86	51	56	50
12	68	62	70	83	92	96	61	72	81	56	60	58
13	73	57	53	92	90	113	67	72	68	40	70	68
14	72	58	65	90	94	134	57	73	77	40	65	70
15	66	53	71	86	82	117	65	67	70	42	55	67
16	74	63	70	87	87	104	58	63	71	63	45	59
17	75	63	66	86	87	92	61	75	74	57	43	65
18	71	57	63	81	90	82	83	63	82	50	53	82
19	71	55	64	87	91	80	103	67	82	48	49	76
20	73	64	60	90	87	74	104	68	59	52	50	73
21	77	67	64	86	87	56	92	68	73	53	29	76
22	73	58	71	81	82	44	88	75	92	59	43	67
23	72	70	65	86	87	50	86	71	100	63	29	60
24	74	71	68	83	92	52	86	77	94	55	59	71
25	71	73	66	83	90	70	80	68	86	49	58	75
26	101	75	65	86	90	80	81	60	85	61	55	75
27	101	65	66	90	85	71	83	57	82	70	49	77
28	85	72	65	90	83	70	80	56	82	73	40	86
29	76	81	61	92	....	76	70	48	75	73	47	81
30	73	82	64	90	....	72	76	43	73	77	39	85
31	75	....	61	87	....	72	....	48	....	77	44	....
Mean	77	66	67	81	88	83	76	73	85	60	54	84
Max.	101	82	76	96	94	134	104	136	148	82	71	288
Min.	66	53	53	52	79	44	56	43	59	40	29	50
A. F.	4740	3910	4110	4990	4880	5100	4530	4470	5070	3720	3310	5000

Total acre-feet 53830.

FRENCHMAN RIVER NEAR HAMLET—Sec. 29-5-34 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	94	101	118	98	122	113	109	188	132	104	86	67
2	99	101	112	78	122	111	108	158	201	103	84	358
3	94	96	113	82	118	109	113	215	148	98	87	440
4	127	99	113	68	127	122	113	188	132	98	91	270
5	215	100	113	90	127	137	106	164	127	99	95	164
6	113	94	101	86	122	153	107	153	118	95	92	148
7	104	97	106	96	127	132	107	153	118	91	86	132
8	106	91	107	96	122	127	105	137	148	87	79	118
9	100	96	107	100	122	142	103	127	153	83	76	113
10	96	89	98	98	118	132	100	132	176	80	81	111
11	96	96	103	102	122	132	99	122	127	80	81	101
12	95	95	103	106	118	127	102	122	118	83	76	98
13	86	96	100	111	122	127	89	118	113	74	99	99
14	94	86	99	120	122	132	100	113	110	78	88	99
15	94	92	89	126	122	153	99	108	107	70	90	109
16	89	84	100	120	118	153	89	111	104	68	84	107
17	94	86	100	125	111	142	112	108	102	70	78	108
18	93	96	99	130	95	132	118	111	100	74	72	105
19	94	83	97	135	89	122	142	111	102	72	70	106
20	91	86	95	140	122	118	137	108	111	68	72	111
21	101	88	96	163	127	118	142	110	118	68	73	108
22	99	91	90	165	132	111	137	109	110	70	71	105
23	99	84	99	146	118	96	132	111	122	69	67	106
24	97	93	96	127	110	92	127	107	164	73	70	96
25	99	107	98	118	118	94	132	108	164	74	66	103
26	107	110	93	122	115	99	127	107	113	75	79	106
27	107	112	86	118	115	112	122	103	118	78	74	105
28	122	111	98	122	118	108	118	94	113	81	70	107
29	118	107	115	122	.....	107	122	97	113	84	68	105
30	104	113	115	127	.....	109	378	89	104	88	66	110
31	101	.....	96	127	.....	108	.....	86	.....	90	66	.....
Mean	104	96	102	115	119	122	123	125	126	82	78	134
Max.	215	113	118	165	132	153	378	215	201	104	99	440
Min.	86	83	86	68	89	92	89	86	100	68	66	67
A. F.	6400	5720	6260	7070	6590	7480	7330	7670	7510	5010	4830	7960

Total acre-feet 79830.

FRENCHMAN RIVER AT CULBERTSON—Sec. 17-3-31 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	124	147	162	108	197	175	186	587	104	177	35	26
2	135	143	157	88	184	198	186	393	145	164	38	219
3	137	142	164	96	192	199	190	453	219	159	46	341
4	134	140	160	76	193	219	190	384	190	152	46	387
5	139	147	160	89	197	237	186	329	159	142	40	341
6	213	154	160	102	197	289	174	313	142	135	38	279
7	190	155	148	109	192	271	174	274	132	126	39	264
8	155	150	148	114	195	233	176	262	123	120	59	201
9	145	143	159	120	195	215	176	233	142	120	52	162
10	137	155	157	124	195	233	174	223	142	108	51	142
11	131	142	148	123	186	219	176	221	159	104	56	128
12	129	147	154	122	184	227	172	202	235	97	49	128
13	128	150	162	123	183	225	167	217	199	96	106	131
14	123	140	162	138	184	223	159	208	179	82	63	157
15	126	143	162	130	188	210	162	199	174	74	59	140
16	129	164	157	133	183	217	164	201	157	58	61	135
17	126	159	154	135	188	219	160	197	155	44	54	132
18	128	157	160	128	164	211	502	184	145	41	50	135
19	128	159	164	130	149	204	276	177	134	40	46	124
20	124	159	160	149	154	201	276	181	250	39	41	126
21	123	155	162	199	177	188	262	174	154	36	32	132
22	131	154	160	192	182	186	250	176	174	32	33	129
23	122	150	154	190	185	183	233	172	170	33	35	131
24	122	150	162	195	175	169	229	170	665	34	32	129
25	126	164	159	197	176	176	233	165	607	33	32	128
26	129	165	148	210	178	159	231	162	248	32	32	128
27	140	152	143	223	168	157	233	148	223	32	35	131
28	143	159	147	208	172	157	215	132	468	34	33	145
29	157	155	150	213	.....	169	213	120	192	34	26	143
30	160	160	145	206	.....	174	219	101	188	38	26	142
31	160	.....	101	206	.....	190	.....	99	.....	36	24	.....
Mean	139	152	154	148	183	204	211	228	212	79	44	168
Max.	213	165	164	223	197	289	502	587	665	177	106	387
Min.	122	140	101	76	149	157	159	99	104	32	24	26
A. F.	8520	9040	9500	9080	10140	12560	12580	14000	12640	4860	2710	9990

Total acre-feet 115600.

GERING DRAIN NEAR GERING—Sec. 6-21-54 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	61	27	23	16	19	18	20	67	36	70	50	54
2	62	27	23	17	18	18	19	35	56	47	47	51
3	34	28	23	17	18	19	19	34	72	31	52	52
4	34	27	23	17	19	18	18	36	59	33	53	54
5	34	27	22	17	19	19	19	42	53	33	52	58
6	34	26	22	18	19	20	18	37	71	33	54	59
7	35	26	22	18	19	19	18	37	96	31	57	55
8	34	27	22	18	19	19	18	36	89	31	51	58
9	34	26	21	18	18	20	18	34	98	31	51	56
10	34	26	21	18	18	20	18	52	95	31	54	58
11	33	26	21	18	18	19	18	50	83	105	52	61
12	33	26	20	18	19	19	18	37	104	54	50	64
13	33	26	20	18	18	19	18	115	113	33	48	77
14	33	26	20	18	18	21	19	54	118	38	48	72
15	33	26	20	18	19	20	18	48	138	38	50	66
16	31	26	20	19	18	19	18	46	115	39	51	75
17	31	26	19	19	18	19	18	41	96	37	52	75
18	31	26	19	18	19	19	21	41	73	38	52	110
19	31	26	19	19	18	22	27	39	90	40	46	145
20	31	25	18	18	18	20	21	39	83	126	48	131
21	30	24	18	19	18	20	20	35	84	44	47	78
22	30	24	18	19	18	20	20	34	86	45	48	90
23	29	25	18	19	18	22	22	34	82	43	48	94
24	29	25	18	19	18	22	62	35	82	44	47	94
25	28	25	18	19	19	22	31	36	84	47	51	97
26	29	24	17	19	18	20	26	37	86	52	49	103
27	29	24	17	19	18	21	35	36	87	87	48	94
28	29	24	17	19	18	20	28	35	76	83	48	81
29	28	23	17	19	...	20	27	35	76	74	50	56
30	27	23	16	19	...	20	69	37	78	46	52	46
31	27	...	16	19	...	20	...	40	...	52	52	...
Mean	33	26	20	18	18	20	24	42	85	50	50	76
Max.	62	28	23	19	19	22	69	115	138	126	57	145
Min.	27	23	16	16	18	18	18	34	36	31	46	46
A. F.	2040	1520	1210	1120	1020	1220	1430	2610	5080	3050	3090	4490

Total acre-feet 27880.

HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	80	38	21	8	25	20	20	249	227	47	89	79
2	92	38	21	5	25	20	18	107	184	46	82	80
3	72	38	20	2	24	22	16	68	185	44	80	80
4	64	35	20	1	25	20	14	51	216	37	72	83
5	61	32	20	1	28	21	13	48	174	38	69	84
6	59	31	21	1	26	22	13	45	172	38	70	81
7	58	31	20	1	26	18	12	41	146	41	73	84
8	58	26	19	1	26	20	12	38	138	41	78	84
9	54	28	18	2	24	21	12	42	138	42	82	89
10	53	28	19	5	24	22	12	160	133	41	116	86
11	52	28	20	18	24	20	11	119	133	42	77	90
12	52	28	20	24	22	20	11	67	118	42	74	91
13	51	28	20	18	22	20	11	328	106	43	76	114
14	50	28	19	17	22	22	10	255	79	47	72	148
15	49	28	18	20	22	22	10	110	79	56	76	118
16	47	28	18	22	20	20	10	125	115	51	79	102
17	46	28	17	18	19	18	11	76	120	51	82	116
18	46	28	18	18	17	18	12	64	120	49	86	177
19	45	22	19	18	17	20	18	59	98	53	84	230
20	45	20	20	22	20	18	18	58	95	198	87	242
21	45	20	21	19	19	21	13	56	80	95	84	186
22	45	16	18	20	20	24	12	53	110	69	83	164
23	44	15	19	20	19	31	14	52	114	86	88	182
24	42	18	15	20	22	35	133	51	141	91	91	206
25	42	18	13	21	21	31	143	50	210	110	89	201
26	49	18	13	24	21	25	58	48	172	95	84	198
27	49	22	12	26	22	22	79	46	159	91	84	196
28	50	22	11	26	18	21	58	41	133	101	82	170
29	46	22	11	27	...	20	45	58	59	109	83	142
30	43	22	10	25	...	21	84	119	48	109	82	110
31	39	...	10	26	...	20	...	246	...	91	80	...
Mean	52	26	18	15	22	22	30	94	133	67	82	134
Max.	92	38	21	27	28	35	143	328	227	198	116	242
Min.	39	15	10	1	17	18	10	38	48	37	69	79
A. F.	3230	1560	1070	944	1230	1340	1790	5810	7940	4150	5030	7960

Total acre-feet 42050.

INDIAN CREEK—Sec. 19-20-50 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	6	3	2	2	2	2	8	11	11	17	2
2	7	7	3	2	2	2	2	5	15	12	21	14
3	7	7	3	3	2	2	2	4	16	12	19	13
4	7	6	3	3	2	2	2	3	16	9	19	13
5	7	6	3	3	2	2	3	3	16	9	17	13
6	7	5	3	3	2	2	3	3	18	10	19	13
7	7	5	3	3	3	2	3	3	19	10	19	14
8	7	5	3	3	3	2	3	4	19	9	18	14
9	7	5	3	3	3	2	3	9	21	9	10	13
10	7	5	3	3	3	2	3	7	19	9	10	13
11	7	5	3	3	3	2	3	6	20	11	12	14
12	7	5	3	2	2	2	3	6	19	10	12	15
13	7	4	3	2	2	2	3	7	19	13	12	14
14	7	4	3	2	2	4	3	7	19	11	10	14
15	7	4	3	2	2	4	3	8	20	11	11	14
16	7	4	3	2	2	3	3	7	18	12	11	13
17	7	4	3	2	2	3	3	5	16	13	10	15
18	7	3	3	2	2	4	3	5	16	12	11	15
19	7	3	3	2	2	3	4	5	15	14	12	15
20	6	3	3	2	2	3	3	5	14	15	11	15
21	6	3	3	2	2	2	3	7	13	16	10	16
22	5	5	3	2	2	2	3	7	12	16	10	16
23	5	4	3	2	2	2	3	6	9	17	10	16
24	5	4	4	2	2	2	6	6	9	18	9	16
25	5	3	5	2	2	2	6	5	10	23	11	17
26	9	3	5	2	2	2	5	6	10	24	10	16
27	8	3	4	2	2	2	6	8	10	25	10	15
28	7	3	4	2	2	2	5	11	10	24	12	16
29	7	3	3	2	..	2	5	11	10	21	12	16
30	7	3	3	2	..	2	4	15	11	20	13	16
31	7	..	2	2	..	2	..	11	..	17	14	..
Mean	7	4	3	2	2	2	3	7	15	14	13	14
Max.	9	7	5	3	3	4	6	15	21	25	21	17
Min.	5	3	2	2	2	2	2	3	9	9	9	2
A. F.	415	260	205	140	120	140	205	405	890	880	800	845

Total acre-feet 5305.

LINCOLN COUNTY DRAIN NO. 1—Sec. 30-14-30 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	55	55	45	45	44	36	38	77	82	73	106	109
2	57	60	45	45	43	35	38	78	74	72	102	370
3	57	60	45	45	42	35	37	77	72	71	103	325
4	80	60	50	40	41	35	37	76	63	72	108	300
5	65	60	43	40	41	35	37	75	63	72	108	171
6	66	60	39	38	40	35	36	74	65	66	96	149
7	66	57	39	38	40	35	36	73	63	66	108	127
8	66	54	40	40	40	35	35	73	64	64	108	114
9	70	52	40	40	40	35	35	71	64	64	108	109
10	66	50	45	38	45	39	35	70	65	64	108	104
11	64	50	48	36	40	40	35	70	65	60	108	101
12	67	48	45	36	38	42	38	70	64	64	102	98
13	70	45	40	36	36	43	40	70	64	64	96	95
14	75	45	39	36	36	44	40	70	64	60	96	92
15	70	45	38	37	38	45	40	69	64	35	96	89
16	65	45	38	37	40	43	40	62	63	70	96	87
17	60	45	36	37	40	43	80	62	62	66	96	85
18	55	47	36	37	43	42	90	56	62	66	101	83
19	55	47	36	38	40	45	100	54	72	66	96	81
20	55	47	36	38	35	45	90	52	73	72	96	79
21	60	47	37	38	35	43	60	52	64	72	103	77
22	58	48	36	38	35	40	40	66	78	72	91	76
23	56	46	36	38	35	40	45	65	78	76	96	75
24	55	45	38	38	38	40	55	68	88	78	91	77
25	54	45	45	38	35	45	100	70	90	78	103	81
26	60	45	50	38	35	44	90	70	84	78	101	79
27	55	45	50	40	35	42	75	71	84	101	94	75
28	55	45	50	43	38	40	50	66	83	107	103	75
29	55	45	45	45	....	40	55	68	80	102	96	76
30	55	45	40	45	....	40	90	66	76	112	97	75
31	55	....	40	45	....	40	80	68	....	109	98	....
Mean	61	50	42	40	39	40	53	68	71	74	100	118
Max.	80	60	50	45	45	45	100	78	90	112	108	370
Min.	55	45	35	36	35	35	35	46	62	35	91	75
A. F.	3770	2950	2560	2420	2160	2460	3290	4180	4230	4550	6170	7010

Total acre-feet 45750.

LINCOLN COUNTY DRAIN NO. 2—Sec. 12-14-33 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	3	5	7	7	4	10
2	*	*	*	*	*	*	3	7	5	6	4	14
3	*	*	2	*	*	*	3	6	4	5	4	12
4	*	*	*	*	2	*	3	5	5	4	4	10
5	*	3	*	*	*	*	3	6	4	4	4	8
6	*	*	*	2	*	*	3	6	4	4	5	7
7	*	*	*	*	*	*	3	6	3	4	6	7
8	3	3	*	*	*	*	3	6	3	4	5	7
9	*	*	*	*	*	*	3	6	4	4	5	7
10	*	*	*	*	*	*	3	8	3	3	4	6
11	*	*	*	*	*	*	3	6	3	3	4	6
12	*	*	*	*	*	3	3	9	3	3	4	6
13	*	*	*	*	*	*	3	8	3	3	4	7
14	*	*	*	*	*	*	3	7	3	3	4	7
15	*	*	*	*	*	*	3	7	3	3	4	7
16	*	*	*	*	*	*	2	7	3	3	4	7
17	*	*	*	*	*	*	3	6	4	3	5	7
18	*	*	*	*	*	*	10	5	3	3	5	6
19	*	*	*	*	*	*	10	7	3	4	5	6
20	*	*	*	*	*	*	9	6	3	4	5	6
21	*	*	*	*	*	*	8	5	4	4	4	5
22	*	*	*	*	*	*	4	5	4	4	4	5
23	*	*	*	*	*	*	4	5	5	4	4	4
24	*	*	*	*	*	*	4	5	5	4	4	5
25	*	*	*	*	*	*	5	5	6	4	3	6
26	*	*	*	*	*	*	5	4	6	4	3	6
27	*	*	*	*	*	*	4	4	6	6	5	5
28	*	*	*	*	*	*	3	4	6	5	5	5
29	*	*	*	*	_	*	3	4	6	4	5	4
30	*	*	*	*	_	*	6	4	6	4	4	4
31	*	_	*	*	_	*	_	6	_	4	4	_
Mean	_	_	_	_	_	_	4	7	4	4	4	7
Max.	_	_	_	_	_	_	10	9	7	7	6	14
Min.	_	_	_	_	_	_	3	4	3	3	3	4
A. F.	†175	†175	†140	†120	†130	†170	250	410	250	245	265	400

Total acre-feet 2730.
*No record.
†Estimated.

LODGEPOLE CREEK AT BUSHNELL—Sec. 33-15-57 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	10	11	8	11	12	14	26	13	15	12	10
2	10	10	11	9	11	13	14	28	12	17	12	11
3	10	11	11	9	11	14	14	31	12	18	13	10
4	10	11	11	9	12	14	14	29	13	16	12	11
5	10	11	11	8	12	13	14	26	13	15	12	13
6	10	11	11	8	12	15	14	23	13	14	12	11
7	11	11	11	8	12	18	14	22	14	13	12	10
8	10	10	11	8	13	12	14	20	14	12	12	10
9	11	11	11	9	12	15	14	20	15	12	12	10
10	11	11	10	9	12	18	14	20	14	12	12	11
11	10	11	10	9	12	18	14	20	13	12	11	10
12	11	11	11	9	12	18	14	21	14	11	11	10
13	11	11	11	10	12	18	14	24	16	11	11	11
14	10	11	11	9	12	19	15	23	16	11	11	11
15	10	11	11	9	12	15	14	21	17	12	11	11
16	10	11	11	9	12	16	14	20	16	12	10	11
17	10	11	11	10	12	16	13	19	15	12	10	10
18	10	11	11	10	12	15	14	20	14	12	9	11
19	10	11	11	10	10	16	17	19	13	12	9	11
20	10	11	11	11	11	13	18	19	13	14	9	11
21	10	10	11	11	12	14	16	18	13	14	9	11
22	11	10	11	11	13	21	16	17	14	13	9	11
23	11	10	9	11	12	20	16	17	15	13	9	11
24	11	10	10	11	13	18	22	16	15	12	9	11
25	11	11	9	11	11	18	26	16	14	12	9	11
26	11	11	9	11	14	14	23	16	14	12	9	12
27	10	11	11	11	11	16	22	14	14	12	9	12
28	10	11	11	11	10	16	20	14	15	12	9	11
29	10	11	11	11	....	17	18	13	15	12	9	12
30	10	11	9	11	....	17	20	13	14	12	9	12
31	10	....	9	11	....	15	....	14	....	12	9	....
Mean	10	11	11	10	12	16	16	20	14	13	10	11
Max.	11	11	11	11	14	21	26	31	17	18	13	13
Min.	10	10	9	8	10	12	13	13	12	11	9	10
A. F.	632	640	649	599	656	980	964	1230	839	791	635	650

Total acre-feet 9260.

LODGEPOLE CREEK BELOW OLIVER RESERVOIR—Sec. 31-15-56 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	3	3	1	5	5	5	2	2
2	*	*	*	*	3	3	1	5	5	5	2	2
3	*	*	*	*	3	3	1	5	5	5	2	2
4	*	*	*	*	3	3	1	5	5	5	2	2
5	*	*	*	*	3	3	1	5	3	5	2	2
6	*	*	*	*	3	3	1	5	3	5	2	2
7	*	*	*	*	3	3	1	4	3	5	2	2
8	*	*	*	*	3	3	1	5	8	5	2	2
9	*	*	*	*	3	3	1	5	3	5	3	2
10	*	*	*	*	3	3	1	5	3	2	3	2
11	*	*	*	*	3	3	1	5	3	1	3	2
12	*	*	*	*	3	3	1	6	4	1	3	2
13	*	*	*	*	3	3	1	6	3	2	3	2
14	*	*	*	*	3	3	1	6	4	2	3	2
15	*	*	*	*	3	3	1	6	4	1	3	2
16	*	*	*	*	3	3	1	6	4	1	3	2
17	*	*	*	*	3	1	1	3	4	1	3	2
18	*	*	*	*	3	1	1	4	4	2	3	2
19	*	*	*	*	3	1	1	4	4	3	3	2
20	*	*	*	*	3	1	1	4	4	3	3	2
21	*	*	*	*	3	1	1	7	6	3	3	2
22	*	*	*	*	3	1	1	5	6	4	3	2
23	*	*	*	*	3	1	1	5	6	3	3	2
24	*	*	*	*	3	1	1	5	6	3	3	2
25	*	*	*	*	3	1	1	5	6	3	2	2
26	*	*	*	*	3	1	1	5	5	3	2	2
27	*	*	*	*	3	1	1	5	5	3	2	2
28	*	*	*	*	3	1	1	5	6	3	2	2
29	*	*	*	*	..	1	1	5	6	4	2	2
30	*	*	*	*	..	1	1	5	6	4	2	2
31	*	..	*	*	..	1	..	6	..	3	2	..
Mean	....	....	....	....	3	2	1	5	5	4	3	2
Max.	....	....	....	....	3	3	1	7	8	5	3	2
Min.	....	....	....	....	3	1	1	5	3	1	2	2
A. F.	....	....	....	....	165	125	60	310	275	220	155	120

Total acre-feet (8 months) 1430.
*No record.

LOGAN CREEK AT UEHLING—Sec. 9-20-8 E.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	67	68	39	20	43	42	183	75	66	344	52	51
2	62	61	39	19	38	40	215	76	342	154	55	49
3	63	59	39	21	45	49	247	82	171	110	50	93
4	97	54	39	24	47	72	231	76	86	102	49	142
5	464	52	37	24	45	1800	180	82	72	95	48	110
6	448	49	36	26	43	2230	131	91	64	87	46	587
7	192	46	38	27	44	801	124	87	64	83	50	76
8	127	48	39	28	39	351	119	81	63	84	48	69
9	99	48	40	27	30	166	112	75	64	143	50	55
10	81	50	38	29	39	119	103	78	63	91	50	45
11	78	47	36	32	50	107	100	87	62	72	51	42
12	72	39	40	46	47	84	91	83	66	68	49	264
13	72	38	34	51	47	76	95	127	63	62	51	692
14	70	36	32	55	38	83	97	227	59	63	60	155
15	66	36	36	58	38	84	95	113	59	61	56	114
16	63	36	40	60	40	83	116	77	58	61	53	84
17	64	36	45	59	33	84	91	77	59	60	46	64
18	64	37	50	59	31	79	75	69	62	60	44	63
19	64	200	72	60	39	71	77	69	66	78	43	61
20	63	88	70	59	40	70	76	63	592	71	39	166
21	63	62	65	58	40	72	77	63	970	64	41	83
22	69	42	64	57	39	70	76	63	438	58	40	67
23	138	26	53	58	40	70	76	70	181	57	40	56
24	99	26	32	57	40	66	77	58	113	78	39	56
25	73	30	34	58	42	138	79	56	96	70	37	54
26	70	32	45	57	44	637	77	59	100	62	39	56
27	68	32	25	58	44	444	79	58	92	54	45	55
28	62	34	14	57	44	225	78	57	200	56	133	54
29	61	37	22	56	....	133	79	57	871	52	251	53
30	63	39	21	53	....	139	71	57	542	60	112	51
31	61	....	20	49	....	157	....	58	.....	54	62	....
Mean	103	50	40	45	41	279	111	79	193	84	59	119
Max.	464	200	72	60	50	2230	247	227	970	344	251	692
Min.	61	26	14	19	30	40	71	56	58	52	37	42
A. F.	6350	2950	2450	2780	2280	17140	6600	4860	11510	5190	3630	7080

Total acre-feet 72820.

LONERGAN CREEK—Sec. 19-15-39 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	6	6	7	7	4	5	9	8	6	6	8
2	6	6	6	7	6	5	5	10	7	6	6	10
3	6	6	6	7	6	5	5	9	6	6	6	10
4	7	6	6	7	5	6	5	9	6	6	6	9
5	7	6	6	7	5	6	5	10	5	6	5	8
6	7	5	6	7	5	7	5	9	7	6	5	7
7	7	5	6	7	5	7	5	8	7	6	5	6
8	6	5	6	7	7	7	5	8	6	6	5	5
9	6	5	6	7	6	7	5	7	6	6	5	4
10	6	5	6	7	5	7	5	8	6	6	5	4
11	6	5	6	7	4	8	5	9	6	6	5	4
12	6	5	6	7	4	8	5	7	6	6	5	4
13	5	5	6	7	4	8	5	8	6	6	5	4
14	5	6	6	7	4	7	6	7	6	6	5	4
15	5	6	7	7	5	7	6	7	6	6	5	4
16	5	6	7	7	5	6	6	7	9	6	4	4
17	5	6	7	7	4	6	6	7	8	6	4	4
18	5	6	7	7	4	6	8	7	8	6	4	4
19	5	6	7	7	4	5	8	7	8	6	4	4
20	6	6	7	7	4	5	7	7	7	6	4	4
21	6	6	7	7	4	5	7	7	7	6	4	4
22	6	6	7	7	4	5	6	6	7	6	4	4
23	6	6	7	7	4	5	6	6	7	6	4	4
24	6	6	7	7	4	5	6	6	9	6	4	4
25	6	6	8	7	5	5	6	6	9	6	4	6
26	8	6	8	7	5	5	6	6	8	6	4	5
27	7	6	8	7	4	5	6	5	8	6	4	4
28	6	6	8	7	4	5	6	5	8	6	4	4
29	6	6	7	7	–	5	6	6	7	6	4	4
30	6	6	7	7	–	5	9	8	7	6	4	4
31	6	–	7	7	–	5	–	8	–	6	4	–
Mean	6	6	7	7	5	6	6	7	7	6	4.5	5
Max.	8	6	8	7	7	8	9	10	9	6	6	10
Min.	5	5	6	7	4	4	5	5	5	6	4	4
A. F.	370	340	410	430	265	360	350	450	420	370	275	305

Total acre-feet 4350.

LOUP RIVER NEAR COLUMBUS
Highway Bridge on West Line of Sec. 30-17-1 E.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	126	177	239	91	2800	1580	536	261	478	1200	119	106
2	139	184	218	144	2630	2100	466	209	2080	1130	142	167
3	512	180	261	200	1770	3040	455	2600	1200	986	142	11500
4	445	180	301	174	1300	4970	512	1590	790	700	110	16500
5	348	188	244	131	1360	10100	512	1630	239	700	119	3280
6	969	180	272	112	1630	12000	455	2270	160	536	154	687
7	609	180	197	128	952	9070	455	3090	2600	301	396	445
8	267	214	228	124	700	3240	386	2110	2130	278	396	445
9	244	157	222	120	997	1610	309	1720	596	278	157	348
10	167	160	139	139	2000	1300	278	1550	524	261	1400	301
11	154	150	2350	149	2060	850	317	1300	4020	244	188	340
12	147	167	835	161	2180	760	301	1380	1680	239	150	250
13	137	184	170	194	2180	1420	317	1420	11200	197	124	267
14	131	188	144	234	1450	805	286	3240	3540	167	113	558
15	142	197	157	340	1350	760	286	2130	1980	173	100	478
16	142	197	170	317	1370	661	272	2350	1180	160	820	333
17	134	222	935	405	1710	648	233	1610	790	139	222	267
18	137	233	1550	698	920	790	261	1340	952	137	188	272
19	126	478	901	916	966	775	286	1110	609	144	119	222
20	142	415	512	934	756	687	267	1110	5540	117	100	233
21	150	356	256	1610	626	805	261	1400	18200	102	90	272
22	570	435	228	1880	594	760	278	1130	3910	117	85	239
23	325	239	209	1990	722	1630	193	850	1460	121	76	294
24	170	1750	201	1670	872	583	233	700	1000	117	66	278
25	157	986	953	1910	950	1240	301	406	1180	121	69	340
26	173	272	851	1870	1200	11700	317	325	1200	119	88	386
27	154	267	700	1680	1210	5370	325	286	1180	117	85	356
28	173	267	790	2160	1530	2840	986	294	969	102	95	325
29	170	309	318	2630	.....	2220	1110	222	2010	117	272	250
30	164	244	87	2570	.....	1060	1000	214	1610	117	261	214
31	173	.....	57	2500	.....	884	.....	218	.....	113	134	.....
Mean	245	312	475	907	1380	2780	406	1290	2500	308	212	1332
Max.	969	1750	2350	2630	2800	12000	1100	3240	18200	1200	1400	16500
Min.	126	150	57	91	594	583	193	214	160	102	66	106
A. F.	15070	18560	29190	55900	76830	171090	24190	79470	148780	18550	13050	79250

Total acre-feet 729936

LOUP RIVER, MIDDLE, AT WALWORTH—Sec. 1-19-30 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	708	800	782	450	880	760	555	1150	800	856	543	828
2	782	856	652	480	1000	840	856	1110	800	828	543	2270
3	856	968	763	370	1400	800	884	744	782	856	567	1020
4	1080	884	763	385	1420	4360	940	744	782	828	579	603
5	1350	884	708	579	1300	2920	856	940	912	856	591	442
6	763	800	708	654	1120	1560	940	744	782	856	652	555
7	689	856	555	654	1020	782	968	1350	652	856	726	689
8	689	828	603	654	940	763	940	996	591	744	763	670
9	708	940	510	630	960	996	1020	968	744	782	940	726
10	689	828	500	620	1100	800	763	828	856	800	884	856
11	726	828	435	608	1200	744	763	800	670	708	782	996
12	828	856	555	620	1300	763	652	1110	603	828	708	996
13	856	744	600	495	1280	800	579	996	579	763	1020	968
14	689	828	620	615	1250	763	670	1280	579	763	912	1020
15	828	800	660	654	968	652	1150	1080	555	670	708	1150
16	763	940	700	856	912	615	1150	1180	603	670	634	1180
17	763	996	750	1030	912	567	763	1020	856	634	603	1020
18	828	996	782	1050	620	567	670	615	800	591	603	828
19	1110	1110	800	996	600	591	652	615	1150	603	652	782
20	1450	968	763	968	680	763	634	800	1080	615	603	800
21	1490	996	744	940	800	634	495	800	1250	615	579	782
22	1490	800	744	912	450	615	555	615	856	652	543	591
23	782	820	670	960	400	603	579	615	744	670	495	495
24	940	840	591	920	250	940	726	744	800	708	472	652
25	1110	880	550	960	726	940	1250	1020	744	726	488	615
26	1390	950	500	1040	780	1150	1180	1280	782	726	555	591
27	1050	782	490	910	820	1280	856	1250	968	744	652	634
28	1110	652	500	910	750	1150	708	800	1350	912	591	652
29	800	634	520	890	.....	912	800	708	763	996	828	884
30	782	744	500	840	.....	744	670	744	782	940	708	689
31	828	.....	480	920	.....	555	.....	996	.....	652	726	.....
Mean	933	860	629	760	923	998	807	924	807	756	666	833
Max.	1490	1110	800	1050	1420	4360	1250	1350	1350	996	1020	2270
Min.	689	634	435	370	250	555	495	615	555	591	472	442
A. F.	57380	51190	38670	46750	51250	61350	48060	56810	48030	46510	40960	49560

Total acre-feet 596500.

LOUP RIVER, MIDDLE, AT ARCADIA—Sec. 26-17-16 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	908	662	882	447	925	809	1270	1410	698	746	468	421
2	1040	598	767	456	930	1040	1350	1020	809	778	415	1650
3	1240	590	798	266	1400	1280	1370	856	680	882	390	1730
4	1230	716	947	468	1330	1310	1370	856	680	843	405	725
5	1780	746	843	714	1000	1340	1310	1100	689	843	405	554
6	1340	653	882	692	1120	1230	1170	1230	1090	798	451	554
7	1160	554	680	678	1200	882	1030	1030	788	725	809	628
8	974	521	690	630	1030	798	921	934	809	698	788	716
9	882	547	652	638	1010	788	908	671	1210	689	628	809
10	830	575	598	640	1090	707	908	960	882	653	689	778
11	843	662	92	640	1030	605	895	960	895	628	612	778
12	830	756	168	660	895	921	895	934	1200	620	575	756
13	869	843	200	842	1400	988	895	1270	809	554	1044	830
14	856	767	503	812	1300	1040	974	1280	788	502	908	820
15	843	746	2300	870	1150	988	1050	1070	689	514	767	756
16	746	689	1730	930	950	882	1050	1000	767	468	698	788
17	707	689	1540	1000	1080	895	960	947	856	430	662	974
18	746	736	1060	1030	680	934	880	809	1070	451	635	1020
19	736	778	1020	1030	653	921	820	921	1180	462	628	788
20	707	820	947	980	689	947	810	921	1660	456	635	788
21	736	843	934	960	680	934	810	798	830	473	582	843
22	798	869	934	950	790	960	810	830	756	456	575	788
23	767	746	960	937	572	1020	820	830	662	405	568	698
24	628	809	921	937	778	1070	856	809	767	405	554	635
25	671	882	895	937	612	1300	1070	960	1030	381	554	635
26	947	1180	456	920	756	1240	1160	1160	947	376	568	590
27	895	882	180	960	974	1060	1140	934	908	368	590	521
28	856	974	250	905	895	1280	1000	856	1420	410	560	462
29	767	1020	560	795	.....	1440	974	856	736	446	528	540
30	725	1020	500	900	.....	1510	1210	1130	725	490	521	620
31	662	.....	463	1020	.....	1230	.....	830	.....	462	514	.....
Mean	894	762	786	795	961	1040	1020	973	901	562	604	773
Max.	1780	1180	2300	1030	1400	1510	1370	1410	1660	882	1044	1730
Min.	628	521	92	266	572	605	810	671	662	368	390	421
A. F.	54980	45370	48300	48880	53390	64160	60860	59850	53610	34540	37140	46010

Total acre-feet 607100.

LOUP RIVER, MIDDLE, AT BOELUS—Sec. 29-13-12 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	515	295	552	200	710	900	147	996	1030	271	2	70
2	169	962	687	77	624	760	180	1350	151	190	174	1640
3	744	237	621	340	631	1200	357	1480	138	190	8	4330
4	802	251	627	350	905	1540	258	802	155	169	4	1130
5	1580	271	488	340	894	1970	539	773	164	337	4	185
6	1710	347	765	340	589	1800	265	1240	164	164	46	370
7	461	316	382	360	812	1340	244	996	1400	117	133	160
8	1130	295	197	360	1250	983	295	962	443	68	217	231
9	151	714	428	380	1100	515	367	962	265	59	258	258
10	180	244	440	420	1120	715	367	1220	1350	59	134	196
11	175	244	250	450	1180	686	667	1060	1810	56	110	121
12	928	231	200	529	1280	534	730	1130	4130	201	99	125
13	85	224	168	620	1050	802	224	1880	2500	38	169	500
14	180	306	210	680	1080	575	217	2050	636	24	443	271
15	125	258	500	682	1100	759	217	1170	309	13	424	212
16	151	1030	1400	709	1030	497	306	996	367	13	398	212
17	103	244	1250	820	1350	479	258	417	347	11	121	206
18	114	258	1050	948	760	424	388	388	424	13	85	278
19	110	534	648	891	880	316	200	347	388	176	68	287
20	130	657	598	1150	996	357	497	316	5200	14	68	365
21	134	336	247	1370	928	461	570	231	3500	10	56	175
22	155	316	496	1330	760	869	479	217	657	9	62	160
23	244	470	970	1230	580	357	534	196	657	9	148	164
24	367	620	980	1140	480	336	970	216	962	8	70	196
25	336	590	880	926	520	570	1020	130	1030	9	52	190
26	1540	428	390	591	590	962	784	151	894	159	43	271
27	406	364	360	720	690	657	744	147	285	134	43	649
28	347	357	290	820	760	900	461	147	996	57	54	62
29	461	443	540	629	.....	1430	258	134	1170	321	38	76
30	497	534	410	860	.....	1200	244	356	231	26	154	43
31	424	.....	410	780	.....	1130	.....	1970	.....	4	52	.....
Mean	465	411	561	678	880	840	425	787	1058	94	120	438
Max.	1710	1030	1400	1370	1350	1970	1020	2050	5200	337	443	4330
Min.	85	224	168	77	480	316	147	130	138	4	2	43
A. F.	28670	24550	34580	41740	48890	51620	25360	48460	62980	5810	7410	26050

Total acre-feet 406120.

LOUP RIVER, MIDDLE, AT ST. PAUL—Sec. 10-14-10 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	948	664	1310	346	762	720	1090	1350	1850	1090	501	778
2	1020	892	1430	388	710	872	1050	2010	1830	892	393	2160
3	1800	962	1370	414	838	790	1150	1910	1570	1240	540	12000
4	1350	906	1430	356	924	7700	1260	1910	1150	1070	434	6860
5	1390	878	1490	365	1100	4150	1470	1350	1050	1010	631	3320
6	2220	838	1190	324	1100	2960	1130	1710	976	766	2220	1370
7	1680	730	1220	326	1040	2310	948	1680	1570	742	1220	1490
8	1290	730	1200	348	1450	1410	906	1450	1020	620	1290	1170
9	878	850	770	350	1150	906	1130	1410	1290	580	1430	976
10	864	838	785	360	1170	742	1200	1450	3320	570	1040	826
11	878	708	332	374	1090	742	1100	1710	1640	590	962	590
12	864	510	237	432	1370	642	1040	1620	3520	530	814	719
13	790	590	237	552	1220	730	1130	1530	4020	653	778	719
14	864	754	286	618	1040	802	1100	2220	1490	719	1830	976
15	920	675	608	727	1200	892	920	2040	814	675	1100	850
16	642	530	1740	798	1100	934	893	1660	675	580	1010	838
17	444	353	1370	942	1240	1070	1010	1470	742	492	948	778
18	393	530	1310	1080	778	1330	1020	1410	892	492	802	878
19	482	878	1120	1150	501	1330	1130	1260	802	540	742	1150
20	501	610	1000	1130	881	1070	1170	1370	4110	520	653	948
21	472	600	975	1550	950	1170	1240	1290	4680	482	580	814
22	501	586	975	1840	726	1390	1090	1220	2480	434	560	948
23	540	496	1010	1740	566	1350	976	1200	1960	401	482	1010
24	570	545	1030	1640	487	1200	1050	1190	1960	377	590	962
25	580	740	940	1690	485	1060	1070	1040	2700	338	631	962
26	730	708	485	1420	595	2590	1090	962	2280	401	790	906
27	892	782	382	1090	552	1290	1040	814	2310	393	814	708
28	850	1450	775	1090	652	906	1040	754	1800	393	850	675
29	766	1090	192	1320	.....	990	990	766	3560	345	864	686
30	864	1190	452	1180	.....	1190	1050	766	1800	560	675	778
31	530	.....	452	888	.....	1090	.....	1200	.....	472	742	.....
Mean	888	754	907	865	917	1514	1083	1410	1995	612	868	1595
Max.	2220	1450	1740	1840	1450	7700	1470	2220	4680	1240	2220	12000
Min.	393	353	192	324	485	642	893	754	675	338	393	590
A. F.	54570	44850	55740	53210	50630	93080	64430	86720	118700	37620	53390	94900

Total acre-feet 808100.

LOUP RIVER, NORTH, NEAR TAYLOR—Sec. 22-21-18 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	407	435	478	298	772	580	579	1160	442	358	282	319
2	400	463	530	290	845	640	658	1300	370	364	267	1510
3	370	470	508	272	944	780	716	748	649	358	216	760
4	382	456	530	272	649	588	725	760	500	358	177	456
5	554	456	508	272	554	508	640	948	463	352	154	414
6	515	435	500	285	538	538	492	1040	554	335	154	428
7	428	414	492	295	478	463	449	1220	515	346	376	428
8	394	400	449	310	428	449	456	962	470	358	364	414
9	370	435	449	320	390	522	435	854	435	335	267	407
10	364	442	400	330	414	538	435	854	508	370	258	388
11	370	442	340	335	388	500	407	867	545	319	267	388
12	376	435	216	355	414	530	382	817	545	298	238	376
13	449	449	250	466	456	492	428	1080	478	298	435	421
14	428	400	388	520	442	500	435	1200	449	267	364	394
15	382	407	400	526	478	508	463	934	428	220	319	376
16	358	421	414	578	449	522	442	828	463	211	303	382
17	364	407	421	607	346	500	428	854	470	166	329	394
18	358	414	414	618	340	456	442	854	435	193	335	394
19	346	400	428	618	370	492	435	828	678	211	267	388
20	346	382	442	628	410	538	449	748	649	185	243	407
21	370	394	449	572	380	449	478	678	538	185	238	407
22	382	352	442	562	410	508	456	630	470	170	224	382
23	376	248	352	640	440	604	442	588	435	154	224	370
24	376	253	324	618	400	596	485	485	463	158	243	358
25	382	329	314	585	376	771	630	485	470	162	238	407
26	463	442	364	552	450	421	736	485	456	158	248	335
27	463	579	400	680	480	277	622	492	388	234	277	414
28	596	522	394	780	520	352	508	442	449	267	267	376
29	449	470	319	920	.....	414	500	340	442	329	324	382
30	400	428	350	850	.....	530	613	303	407	329	319	400
31	414	.....	361	810	.....	588	.....	463	.....	298	267	.....
Mean	407	419	407	509	484	521	512	782	485	269	274	442
Max.	596	579	530	920	944	780	736	1300	678	370	435	1510
Min.	346	248	216	272	340	277	382	303	370	154	154	319
A. F.	25060	24950	25040	31270	26900	32040	30480	48090	28890	16550	16830	26330

Total acre-feet 332400.

LOUP RIVER, NORTH, AT SCOTIA—Sec. 8-17-12 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	960	856	1100	534	770	600	693	1100	1130	684	318	473
2	960	869	920	433	720	780	895	1600	830	639	302	1420
3	960	808	980	396	778	1000	1020	1560	574	639	290	3170
4	856	808	1000	360	1070	900	1020	1300	657	630	298	1240
5	2200	830	900	432	985	800	1030	1420	684	614	290	1070
6	1240	856	940	485	840	880	1030	1540	2660	606	280	1000
7	921	764	1000	490	655	800	856	1460	921	590	530	947
8	808	693	775	542	528	680	830	1540	684	598	520	830
9	753	666	684	538	520	610	856	1440	684	524	385	775
10	753	711	684	530	540	610	843	1460	2030	566	370	742
11	753	693	600	516	490	660	882	1540	843	537	385	720
12	753	731	376	516	450	620	908	1370	2050	537	370	711
13	764	753	657	547	420	640	895	3620	1310	467	625	808
14	786	808	797	578	520	600	830	2120	808	461	530	819
15	830	830	1130	592	480	630	830	1730	742	437	520	786
16	856	921	1200	636	340	650	819	1500	731	405	510	731
17	830	947	988	607	290	675	775	1390	731	370	504	702
18	808	960	1100	740	300	742	764	1330	720	370	467	731
19	819	974	1030	750	320	797	775	1260	753	357	461	731
20	869	908	908	725	360	895	808	1100	5560	420	443	764
21	921	882	908	740	350	947	797	1030	1400	348	370	797
22	988	843	895	730	380	882	797	988	1130	326	334	797
23	988	786	770	725	430	882	786	934	988	449	326	808
24	934	711	680	740	350	843	775	843	908	283	334	764
25	869	731	615	725	280	1030	947	797	974	250	330	830
26	819	742	615	725	400	1180	1030	753	988	370	352	856
27	808	808	514	838	460	657	1090	720	895	334	400	869
28	753	988	506	875	520	485	1150	693	2430	314	443	843
29	856	843	540	904	.....	544	947	657	908	306	544	830
30	974	1000	512	844	.....	550	934	1230	702	310	537	830
31	908	.....	512	875	.....	657	.....	1540	.....	318	479	.....
Mean	913	824	801	637	520	749	887	1340	1210	454	414	913
Max.	2200	1000	1200	904	1070	1180	1150	3620	5560	684	625	3170
Min.	753	666	376	360	280	485	693	657	574	250	280	473
A. F.	56130	49030	49260	39190	28850	46070	52780	82440	72250	27890	25480	54340

Total acre-feet 583700.

LOUP RIVER, NORTH, NEAR ST. PAUL—Sec. 22-15-10 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	699	712	986	383	1220	666	986	1280	1580	878	449	460
2	777	738	916	362	1100	888	1130	1710	1080	798	439	1570
3	818	725	916	365	1080	1290	1080	1880	720	746	398	4990
4	777	751	972	375	1130	1880	1300	1690	538	695	352	1550
5	1320	818	1000	390	1100	1500	1270	1640	658	682	429	1160
6	1180	804	902	410	992	1690	1220	1590	2170	695	811	1120
7	958	818	930	445	976	1310	1100	1460	1870	645	645	948
8	916	790	902	475	789	1000	1000	1450	1310	595	620	962
9	846	804	874	504	627	832	944	1380	1250	538	620	850
10	777	846	738	538	665	832	902	1360	2170	439	449	811
11	764	860	576	581	558	902	846	1410	1460	503	369	759
12	686	832	318	616	509	846	804	1330	1680	503	398	733
13	699	818	309	672	499	902	790	3760	1490	514	352	906
14	686	846	764	715	627	860	725	2760	920	439	538	920
15	673	818	986	737	572	944	738	2460	695	480	658	864
16	636	818	1040	773	470	972	673	2270	645	398	695	824
17	648	832	1240	840	185	1000	673	2070	608	360	572	785
18	624	860	1140	852	250	888	673	1810	608	334	560	837
19	624	860	1000	895	300	832	686	1660	584	343	560	811
20	725	916	944	912	320	944	738	1490	5240	360	549	772
21	712	888	874	900	301	930	790	1310	1280	449	439	759
22	712	874	944	924	360	958	804	1200	1230	230	398	746
23	686	660	874	924	410	944	804	1080	976	299	316	708
24	673	529	764	936	316	930	832	1000	948	439	378	658
25	673	738	712	942	186	1570	958	864	1040	205	316	695
26	712	764	686	1030	354	1790	1060	733	1020	334	352	746
27	764	777	725	1110	432	1360	1010	645	906	316	620	670
28	686	888	686	1440	560	1030	1190	538	1400	290	632	595
29	712	986	725	1740	.....	888	1100	503	1550	299	403	595
30	804	1030	564	1580	.....	902	1100	538	1000	343	560	560
31	686	.....	465	1450	.....	986	.....	1310	.....	369	388	.....
Mean	763	813	822	801	603	1073	931	1490	1288	469	493	979
Max.	1320	1030	1240	1740	1220	1880	1300	3760	5240	878	811	4990
Min.	624	529	309	362	185	666	673	503	538	205	316	460
A. F.	46920	48400	50520	49220	33500	65980	55390	91600	76610	28810	30290	58240

Total acre-feet 635500.

LOUP RIVER, SOUTH, AT RAVENNA—Sec. 17-12-14 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	136	156	163	70	246	351	189	367	432	329	98	116
2	147	141	153	65	301	530	176	324	496	396	108	2040
3	265	133	163	61	274	665	165	308	239	294	103	3910
4	136	138	163	66	303	516	156	226	186	260	111	1440
5	265	147	196	90	279	378	150	247	166	231	111	482
6	260	153	204	92	235	373	141	252	156	207	124	396
7	121	144	204	89	218	274	136	239	144	196	133	313
8	113	144	189	90	239	160	130	211	138	200	150	294
9	113	136	182	92	268	141	116	200	260	182	124	284
10	111	150	111	95	231	141	108	324	252	182	127	211
11	108	153	100	100	231	141	95	260	166	176	144	182
12	108	144	97	105	207	147	95	226	602	163	133	169
13	111	144	70	110	218	147	95	218	396	144	196	179
14	116	133	61	110	204	160	95	313	196	130	252	179
15	133	118	98	115	204	166	127	218	160	118	153	211
16	130	141	180	123	214	153	144	193	153	108	113	193
17	127	116	250	125	210	160	133	182	147	98	118	204
18	130	127	210	130	205	166	222	176	163	105	124	189
19	130	144	175	135	195	172	222	169	186	116	121	196
20	133	156	150	150	145	172	222	218	2000	111	116	189
21	136	176	141	180	120	160	211	204	900	111	124	186
22	138	150	138	195	130	172	193	207	1100	103	121	169
23	136	82	163	215	105	166	193	196	425	98	124	176
24	144	196	176	235	115	172	189	189	2240	98	118	169
25	150	204	162	280	130	284	211	204	848	98	116	211
26	160	172	83	325	142	334	243	193	625	103	138	196
27	141	156	75	330	155	243	260	204	463	108	111	182
28	133	144	60	350	208	204	270	200	373	105	113	172
29	133	138	55	260	.....	193	226	222	1020	113	113	179
30	144	166	50	235	.....	193	222	235	413	103	116	189
31	144	.....	55	235	.....	182	.....	252	.....	98	113	.....
Mean	144	147	138	157	205	239	171	232	502	158	128	440
Max.	265	204	250	350	303	665	270	367	2240	396	252	3910
Min.	108	82	50	61	105	141	95	169	138	98	98	116
A. F.	8830	8730	8480	9630	11370	14710	10190	14240	29840	9690	7870	26190

Total acre-feet 159800.

MEDICINE CREEK AT CAMBRIDGE—Sec. 18-4-25 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	60	58	55	37	54	51	66	147	65	73	30	37
2	59	65	55	21	64	65	64	130	71	65	30	1030
3	58	65	55	45	69	232	63	565	71	58	32	1090
4	57	60	56	53	71	672	62	177	69	56	32	196
5	518	55	56	49	73	966	62	97	64	56	32	175
6	124	54	55	45	75	1220	61	81	61	54	33	127
7	62	54	56	41	69	682	61	76	59	52	60	101
8	56	54	56	38	69	259	56	76	58	50	158	170
9	52	53	56	38	75	126	56	76	60	47	94	84
10	50	53	49	43	72	100	55	279	58	49	76	64
11	48	53	54	42	68	84	57	180	56	47	67	56
12	46	54	52	45	69	80	56	141	490	46	61	50
13	34	54	73	46	66	79	55	86	228	46	217	48
14	31	54	74	48	66	74	54	80	137	45	113	48
15	30	55	65	55	72	76	55	78	111	45	75	48
16	32	55	67	65	59	74	54	78	243	43	69	44
17	45	55	73	68	41	74	56	75	346	42	65	43
18	48	55	87	68	28	71	274	74	162	42	56	42
19	49	57	69	66	38	69	6360	74	117	41	52	42
20	50	58	46	62	34	68	1120	71	966	41	48	42
21	50	59	28	60	38	65	422	68	437	40	54	41
22	50	50	22	66	53	64	274	68	183	39	49	41
23	49	58	25	75	54	62	188	68	147	38	45	41
24	49	61	46	74	36	61	161	68	431	38	42	41
25	65	71	34	74	36	66	185	67	367	36	40	43
26	62	80	28	78	38	103	188	65	153	35	40	42
27	55	66	48	79	62	102	129	65	118	34	38	42
28	52	57	45	80	60	90	113	65	100	33	38	42
29	56	57	38	79	....	79	103	71	125	33	38	42
30	57	55	47	74	....	74	87	62	90	34	38	44
31	55	....	58	75	....	69	....	62	....	32	37	....
Mean	68	58	52	58	58	192	353	109	188	45	60	132
Max.	518	80	87	80	75	1220	6360	565	966	73	217	1090
Min.	30	50	22	21	28	51	54	62	56	32	30	37
A. F.	4180	3440	3230	3550	3190	11820	21020	6680	11190	2760	3690	7850

Total acre-feet 82600.

MELBETA DRAIN—Sec. 13-21-54 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2	*	*	*	*	1	1	4	4	3	*	5
2	2	*	*	*	*	1	1	4	4	6	*	6
3	2	*	*	*	*	1	1	3	4	8	*	6
4	2	*	*	*	*	1	1	3	4	5	*	2
5	2	*	*	*	*	1	1	6	3	3	*	4
6	2	*	*	*	*	1	1	6	3	3	*	3
7	2	*	*	*	*	1	1	3	2	3	*	5
8	2	*	*	*	*	1	1	3	2	3	*	4
9	2	*	*	*	*	1	1	3	6	3	*	4
10	2	*	*	*	*	1	1	5	2	3	*	4
11	2	*	*	*	*	1	1	4	3	22	*	5
12	2	*	*	*	*	1	1	4	8	3	*	5
13	2	*	*	*	*	1	1	4	9	3	*	4
14	2	*	*	*	*	3	1	7	6	3	*	11
15	2	*	*	*	*	3	1	5	6	9	1	8
16	2	*	*	*	*	2	1	3	4	6	2	7
17	2	*	*	*	*	2	2	3	4	10	*	7
18	2	*	*	*	*	1	3	3	3	12	*	7
19	2	*	*	*	*	4	5	2	4	18	*	15
20	2	*	*	*	*	3	4	2	4	18	3	5
21	2	*	*	*	*	3	2	3	6	11	2	3
22	2	*	*	*	*	3	2	2	5	6	*	5
23	3	*	*	*	*	2	3	3	6	2	*	4
24	3	*	*	*	*	1	6	2	9	3	*	4
25	3	*	*	*	*	2	4	2	9	3	*	4
26	4	*	*	*	*	1	4	2	4	3	*	4
27	3	*	*	*	*	1	5	2	7	5	*	3
28	4	*	*	*	*	1	4	4	6	5	*	3
29	3	*	*	*	..	1	3	3	9	3	*	3
30	2	*	*	*	..	1	6	5	11	2	*	3
31	2	..	*	*	..	1	5	7	....	3	2	..
Mean	2	....	....	....	....	2	2	4	5	6	0	5
Max.	4	....	....	....	....	4	6	7	11	22	3	15
Min.	2	....	....	....	....	1	1	2	2	2	0	2
A. F.	140	....	....	....	....	95	145	222	311	377	19	303

Total acre-feet (8 months) 1610.
*No record.

NINE MILE DRAIN NEAR MINATARE—Sec. 25-21-53 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	141	100	86	80	86	76	73	143	88	120	154	177
2	135	100	85	79	86	76	72	113	87	106	156	180
3	132	98	85	79	86	77	72	102	88	94	159	177
4	134	97	85	78	86	77	71	102	123	90	202	181
5	132	96	85	76	85	78	70	102	124	87	180	185
6	131	94	84	75	85	76	69	105	122	85	179	186
7	126	90	84	77	82	75	69	102	117	84	176	181
8	126	89	85	78	82	76	70	102	110	86	176	179
9	124	88	85	80	81	76	69	111	106	87	175	181
10	122	87	86	80	81	75	70	133	103	100	174	182
11	120	87	86	80	80	74	69	126	102	134	174	176
12	121	87	87	79	80	74	70	127	122	124	173	175
13	120	86	87	79	80	73	70	170	118	123	171	179
14	117	86	87	79	79	75	70	168	122	127	170	181
15	117	87	87	80	79	74	69	144	128	129	168	181
16	118	87	87	80	79	73	67	123	134	119	177	182
17	117	87	87	79	79	73	70	117	115	117	176	185
18	117	86	87	79	79	74	73	110	114	122	170	196
19	118	85	85	79	78	80	79	109	114	126	160	209
20	118	84	85	79	78	76	77	107	113	133	154	197
21	118	85	85	81	78	78	75	141	124	133	153	195
22	118	85	85	81	77	81	74	128	140	138	155	192
23	114	85	85	82	77	81	79	98	138	137	163	190
24	116	86	85	82	77	80	107	95	145	145	165	194
25	115	87	85	82	76	81	96	93	147	143	165	200
26	114	87	85	84	76	77	89	91	137	148	165	187
27	110	86	85	84	75	76	96	86	141	157	171	185
28	108	86	84	84	76	76	90	83	134	152	176	186
29	105	86	83	84	—	76	87	82	130	154	176	187
30	103	86	82	84	—	75	106	82	125	156	178	175
31	102	—	81	84	—	74	—	107	—	158	176	—
Mean	120	89	85	80	80	76	77	113	120	123	170	185
Max.	141	100	87	84	86	81	107	170	147	158	202	209
Min.	102	84	81	75	75	73	67	82	87	84	153	175
A. F.	7360	5280	5240	4930	4450	4690	4600	6950	7160	7560	10450	11030

Total acre-feet 79700.

NIOBRARA RIVER BELOW BOX BUTTE DAM GAGING STATION—Sec. 28-29-49 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	32	47	54	33	19	64	100	67	44	24	21
2	22	35	42	57	32	13	59	109	68	43	24	22
3	23	37	47	54	30	15	24	110	68	42	23	22
4	23	31	49	52	30	13	23	110	99	40	26	23
5	24	24	50	50	29	17	35	114	112	39	82	21
6	24	31	57	44	28	19	48	108	104	37	96	21
7	26	28	51	40	28	21	51	108	103	36	63	21
8	25	29	50	28	28	22	52	107	101	34	45	23
9	26	30	47	23	28	22	53	106	86	30	40	23
10	25	32	63	31	26	25	52	108	79	28	35	22
11	25	32	44	36	25	30	52	109	72	27	39	22
12	25	31	62	41	27	35	52	246	66	26	23	23
13	26	31	62	26	25	39	51	1191	62	25	28	23
14	26	30	55	29	25	45	50	605	60	26	27	23
15	30	30	48	19	24	45	51	362	58	26	26	24
16	31	31	47	19	23	45	50	254	61	29	26	23
17	31	31	46	22	28	48	48	216	59	26	26	23
18	33	30	62	21	142	48	47	178	57	26	26	27
19	34	30	35	20	69	49	49	165	56	26	26	28
20	35	29	39	21	48	48	51	151	56	26	25	28
21	34	28	39	25	25	50	53	139	54	26	23	29
22	33	27	40	33	22	53	53	122	52	26	22	29
23	32	33	68	68	19	56	53	110	51	25	22	29
24	32	38	67	43	24	62	61	98	52	25	21	29
25	33	30	57	41	30	104	72	88	63	25	21	31
26	35	33	47	39	25	63	72	81	63	24	21	29
27	37	37	61	38	34	56	83	75	58	24	21	29
28	36	40	61	38	36	59	85	65	54	25	21	28
29	35	48	61	34	—	58	81	58	50	26	21	27
30	33	48	52	58	—	58	80	54	47	25	22	27
31	33	—	57	33	—	62	—	50	—	25	22	—
Mean	29	32	52	36	34	42	55	177	68	29	31	25
Max.	37	48	68	68	142	104	85	1191	112	44	96	31
Min.	22	24	35	19	19	13	23	50	47	24	20	21
A. F.	1802	1935	3198	2255	1870	2576	3282	10900	4041	1808	1918	1487

Total acre-feet 37072.
Maintained and computations made by the United States Bureau of Reclamation.

NIOBRARA RIVER AT DUNLAP—Sec. 27-29-48 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	26	50	37	50	50	66	119	86	57	34	28
2	22	27	50	38	53	54	64	120	87	57	33	28
3	22	27	51	36	51	53	48	117	86	57	32	28
4	23	27	55	35	49	49	18	113	105	57	31	28
5	24	23	57	33	50	55	34	116	137	55	57	28
6	24	24	57	32	51	55	43	113	132	54	95	28
7	25	24	57	30	52	46	48	117	130	53	83	27
8	26	25	57	36	53	57	52	119	124	53	54	28
9	26	27	54	45	54	57	54	116	121	50	45	28
10	26	27	47	53	53	55	54	125	112	45	42	28
11	26	27	36	53	53	60	54	128	100	41	41	28
12	25	28	52	50	53	71	54	541	88	41	40	28
13	24	27	45	45	52	72	54	1910	81	39	34	29
14	24	28	50	43	49	80	54	550	77	37	32	29
15	23	30	57	42	51	80	53	221	75	37	30	30
16	22	31	57	42	49	77	53	142	77	39	28	30
17	22	32	50	41	30	74	52	127	73	38	28	32
18	22	32	53	43	22	72	53	119	70	34	27	34
19	23	30	53	43	27	72	54	118	67	35	27	35
20	22	32	55	42	84	68	56	122	64	36	26	36
21	21	28	57	43	45	66	58	126	62	36	26	36
22	21	29	57	43	43	66	58	126	60	36	25	36
23	20	24	49	43	40	71	63	126	58	36	25	35
24	19	26	49	45	46	78	79	124	30	36	25	35
25	19	36	51	45	40	105	81	125	160	36	25	36
26	24	34	39	48	45	69	88	126	86	36	26	36
27	23	37	38	49	47	57	99	127	79	36	26	35
28	27	40	37	52	48	48	100	122	70	36	26	34
29	27	46	33	53	—	59	97	118	64	36	27	34
30	26	46	36	53	—	62	105	114	61	35	28	34
31	26	.....	38	52	.....	65	.....	89	.....	35	28	.....
Mean	23	30	49	43	48	65	62	209	87	42	36	31
Max.	27	46	57	53	84	105	105	1910	160	57	95	36
Min.	19	23	33	30	22	46	18	89	30	34	25	27
A. F.	1440	1790	3030	2670	2650	3970	3660	12840	5200	2600	2190	1870

Total acre-feet 43910.

NIOBRARA RIVER NEAR SPENCER—Sec. 30-33-11 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1120	1220	1300	257	1060	901	2350	4170	2060	1210	1010	921
2	1000	1070	1180	228	1540	1050	1970	3370	2740	1250	852	1390
3	1190	1190	1280	317	1680	1380	1910	2880	4400	1130	1030	1210
4	1100	1070	1170	218	1840	1700	2060	3070	2790	1200	900	1100
5	1650	1180	1240	183	1660	2100	2220	3490	2280	1150	836	949
6	1690	1200	1220	156	1830	2540	2070	7370	2080	957	833	990
7	1320	1130	1160	332	1820	2690	1870	5480	1820	927	951	912
8	1100	1160	1060	352	1650	2340	1630	4790	2060	986	1270	957
9	1020	1080	1050	459	1600	2240	1570	4580	1820	961	956	981
10	1010	1230	497	524	1560	2310	1350	4120	1770	981	956	667
11	1060	1160	291	587	1530	2140	1380	6650	1900	1040	937	930
12	982	1170	251	587	1290	1880	1190	4870	1550	957	955	923
13	1010	1110	676	820	1330	1820	1470	6280	1500	1070	1110	905
14	986	1100	480	1100	1580	1730	1120	8010	1420	1150	1080	908
15	1020	864	682	1190	1490	1820	1220	8210	1240	886	981	909
16	948	1110	1200	1170	1180	1900	1210	10600	1270	796	864	879
17	985	1160	1800	1480	889	1750	1180	5310	1540	745	813	1530
18	978	1160	1850	1220	522	1380	1170	4140	1700	878	796	1590
19	993	1150	1780	1440	509	1620	1040	3270	3100	974	804	1250
20	1070	1170	1450	1340	547	1810	1220	2810	2090	982	788	1010
21	1040	1050	1380	1530	644	1820	1510	2500	1500	1000	724	1020
22	1090	1000	1480	1550	903	1740	1250	2460	1580	1270	716	1050
23	1110	491	1140	1490	895	1510	1220	2370	1340	898	813	964
24	1070	403	974	1520	1000	1430	1160	2090	1340	1040	726	1000
25	1150	723	777	1710	762	1610	1290	1860	1390	923	803	1200
26	1190	1370	640	1580	797	1300	1570	1650	1270	876	796	1090
27	1590	1640	605	1760	796	220	2150	1620	1270	869	775	1000
28	1820	1660	548	1770	949	857	2010	1630	1430	848	808	1060
29	1480	1530	355	2180	.....	961	1910	1480	1540	1190	1720	992
30	1300	1130	605	1620	.....	2370	2560	2050	1110	1130	1460	1050
31	1180	.....	535	915	.....	2170	.....	2440	.....	1040	790	.....
Mean	1169	1123	989	1019	1209	1713	1594	4052	1830	1010	931	1045
Max.	1820	1660	1850	2180	1840	2690	2560	10600	4400	1270	1720	1590
Min.	948	403	251	156	509	220	1040	1480	1110	745	716	667
A. F.	71900	66810	60810	62670	67150	105300	94870	249200	108900	62110	57230	62160

Total acre-feet 1069000.

OTTER CREEK NEAR LEMOYNE—Sec. 9-15-40 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	18	20	22	22	21	19	25	22	21	21	25
2	17	19	20	22	22	21	19	25	22	21	21	28
3	17	19	20	22	22	21	19	23	22	21	21	28
4	18	18	20	22	22	21	18	21	22	21	21	26
5	18	18	20	22	22	21	19	24	23	21	21	22
6	18	18	20	22	22	21	20	23	23	21	21	20
7	18	18	20	22	22	21	21	22	22	21	21	19
8	18	19	20	22	23	21	22	22	22	21	21	18
9	18	19	20	22	23	21	22	22	22	21	21	18
10	18	19	20	22	23	21	22	24	22	21	21	18
11	18	19	20	22	23	21	22	23	22	21	21	18
12	18	20	20	22	23	21	22	22	22	21	23	18
13	18	20	20	22	22	21	22	23	22	21	23	18
14	18	20	20	22	22	21	23	22	22	21	22	18
15	18	21	21	22	22	24	23	21	22	21	22	17
16	18	21	21	22	22	23	24	21	26	21	22	17
17	18	22	21	22	22	22	25	21	26	21	21	17
18	18	22	21	22	22	21	26	21	23	21	21	18
19	18	22	21	22	22	20	25	21	22	21	21	18
20	18	22	22	22	22	20	24	20	22	21	21	18
21	19	22	22	22	21	20	23	20	23	21	21	19
22	19	22	22	22	21	20	21	20	24	21	21	19
23	19	22	22	22	21	20	21	20	24	21	21	20
24	19	22	23	22	21	20	21	19	25	21	21	20
25	19	22	23	22	21	20	23	19	24	21	21	22
26	20	22	23	22	21	20	22	19	23	20	21	22
27	19	22	22	22	21	20	22	18	22	20	22	21
28	19	21	22	22	21	19	22	18	22	20	22	21
29	18	21	22	22	—	19	22	18	21	22	22	20
30	18	21	22	22	—	19	26	18	21	22	21	20
31	18	—	22	22	—	19	—	20	—	21	21	—
Mean	18	20	21	22	22	21	22	21	23	21	21	20
Max.	20	22	23	22	23	24	26	25	26	22	22	28
Min.	17	18	20	22	21	19	18	18	21	20	21	17
A. F.	1120	1210	1290	1350	1220	1270	1310	1300	1350	1290	1310	1200

Total acre-feet 15220.

PAWNEE CREEK—Sec. 4-12-27 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	5	5	8	7	5	10
2	*	*	*	*	*	*	5	8	7	7	5	30
3	*	*	*	*	*	*	5	7	6	6	4	20
4	*	*	*	*	12	*	5	7	9	6	4	10
5	*	*	4	*	*	*	5	7	9	6	3	8
6	*	*	*	*	*	*	5	6	9	6	3	7
7	*	*	*	*	*	*	5	5	8	5	6	6
8	*	*	*	*	*	*	5	5	7	5	5	5
9	*	*	*	*	*	*	5	5	7	5	5	5
10	2	*	*	*	*	*	5	7	7	5	4	5
11	*	*	*	*	*	*	5	7	9	5	4	5
12	*	*	*	*	*	*	5	6	10	5	8	5
13	*	*	*	*	*	*	5	10	8	5	8	7
14	*	*	*	*	*	*	5	8	8	5	6	7
15	*	3	*	*	*	*	5	7	7	5	5	6
16	*	*	*	*	*	*	5	7	8	5	4	6
17	*	*	*	4	*	10	5	7	7	5	5	6
18	*	*	*	*	*	*	30	7	6	5	4	6
19	*	*	*	*	*	*	30	9	10	4	4	6
20	*	*	*	*	*	*	29	8	10	4	4	6
21	*	*	*	*	*	*	20	7	11	4	4	5
22	*	*	*	*	*	*	10	7	10	4	4	5
23	*	*	*	*	*	*	6	7	10	4	4	4
24	*	*	*	*	*	*	8	6	9	4	4	7
25	*	*	*	*	*	*	12	6	9	4	3	9
26	*	*	*	*	*	*	10	6	8	4	3	9
27	*	*	*	*	*	*	8	6	9	6	5	8
28	2	*	*	*	*	*	8	6	8	6	4	7
29	*	*	*	*	_	*	6	6	7	6	4	7
30	*	*	*	*	_	*	6	6	6	5	3	7
31	*	_	*	*	_	*	_	7	_	5	3	_
Mean	—	—	—	—	—	—	9	7	8	5	4	8
Max.	—	—	—	—	—	—	30	10	11	7	8	30
Min.	—	—	—	—	—	—	5	5	6	4	3	4
A. F.	†240	†230	†250	†370	†600	†600	530	415	490	315	270	465

Total acre-feet 4780.
*No record.
†Estimated.

PUMPKINSEED CREEK NEAR BRIDGEPORT—Sec. 12-19-50 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	25	32	26	34	34	40	77	46	32	12	12
2	33	25	32	25	33	36	39	87	45	32	11	12
3	45	25	32	24	34	37	38	84	56	32	16	12
4	43	26	33	24	35	35	29	76	48	37	14	14
5	45	26	32	24	36	40	37	72	43	36	14	20
6	45	25	33	23	36	37	36	74	42	33	16	22
7	42	24	34	22	36	36	32	72	40	32	26	20
8	43	22	34	24	36	36	30	68	39	33	24	33
9	45	21	32	28	37	37	30	63	46	32	20	36
10	42	26	30	30	36	38	33	63	40	38	19	21
11	43	30	32	30	37	36	28	62	37	30	18	21
12	41	34	34	29	37	37	28	61	32	26	18	20
13	42	36	36	30	38	38	18	71	30	21	17	22
14	41	34	37	31	38	39	13	89	39	12	17	22
15	29	34	38	30	38	40	12	88	56	7	16	22
16	22	35	38	30	34	40	12	76	42	7	16	23
17	22	32	33	31	32	38	13	71	29	7	15	25
18	22	34	33	31	30	42	16	68	30	7	17	26
19	22	34	33	31	32	44	15	67	32	7	17	26
20	22	34	33	31	33	43	16	68	33	9	20	26
21	22	34	34	31	37	38	16	66	34	7	18	26
22	22	36	33	32	37	40	16	64	42	7	16	25
23	22	33	33	32	35	40	19	61	42	11	16	25
24	22	35	32	32	32	40	26	60	45	17	16	25
25	22	38	30	33	33	42	28	80	43	23	16	36
26	24	39	30	34	33	44	28	68	42	22	17	34
27	23	37	30	34	34	40	36	58	42	18	16	27
28	22	36	29	34	34	40	41	49	42	18	15	26
29	23	35	30	33	....	37	42	37	37	18	12	27
30	23	34	28	33	....	39	49	42	32	18	16	27
31	24	....	27	34	....	40	....	46	....	18	13	....
Mean	31	31	32	30	35	39	28	67	40	21	17	24
Max.	45	39	38	34	38	44	49	89	56	38	26	36
Min.	20	21	27	22	30	34	12	37	29	7	11	12
A. F.	1900	1860	2000	1820	1940	2390	1640	4140	2370	1280	1020	1410

Total acre-feet 23770.

RED WILLOW CREEK NEAR BAYARD—Sec. 7-20-51 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	103	87	76	67	60	56	54	118	199	114	90	96
2	105	87	74	67	59	56	51	88	210	88	140	108
3	101	88	75	67	59	54	51	75	222	61	164	114
4	102	88	74	66	59	53	50	72	237	59	102	120
5	102	86	70	66	59	52	50	82	183	58	88	122
6	96	86	70	67	60	49	49	78	197	54	90	116
7	94	83	71	67	59	49	49	72	183	49	88	106
8	95	83	70	68	58	51	50	66	208	50	88	101
9	90	83	70	67	58	52	50	127	222	49	101	92
10	88	83	69	68	57	54	49	497	164	85	83	86
11	87	85	68	68	56	52	49	122	145	151	75	88
12	87	85	66	66	56	51	48	166	199	63	69	101
13	86	85	66	66	56	51	49	272	173	60	63	106
14	86	83	66	66	57	58	50	171	154	59	61	118
15	85	83	66	66	57	57	47	138	224	61	61	118
16	85	82	67	66	56	55	46	108	178	62	87	114
17	82	82	66	63	55	55	48	96	150	61	68	109
18	82	82	66	63	53	55	48	92	158	58	62	121
19	82	82	66	63	54	58	59	90	129	52	63	154
20	82	81	64	63	55	56	55	87	95	132	66	140
21	82	82	64	63	55	57	50	86	150	92	71	148
22	82	82	66	62	55	60	49	182	222	74	70	146
23	82	80	68	61	55	60	48	190	208	77	68	142
24	85	80	68	61	55	60	92	247	178	94	69	146
25	85	81	68	61	55	60	66	237	185	98	67	158
26	96	81	67	61	56	57	57	234	188	94	64	153
27	90	81	67	61	56	55	67	274	116	91	66	151
28	90	80	67	61	56	55	57	298	121	91	67	159
29	88	78	68	61	....	55	56	256	127	91	68	178
30	88	78	68	61	....	55	87	232	148	95	74	168
31	87	....	68	61	....	55	....	234	....	75	83	....
Mean	90	83	68	64	57	55	54	164	176	77	80	126
Max.	105	88	76	68	60	60	92	497	237	151	164	178
Min.	82	78	64	61	53	49	46	66	95	49	61	86
A. F.	5500	4930	4200	3960	3150	3380	3240	10090	10460	4760	4910	7500

Total acre-feet 66080.

RED WILLOW CREEK NORTH OF McCOOK—Sec. 6-4-29 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	24	23	20	29	24	30	55	45	45	9	12
2	27	24	23	19	33	30	31	68	65	41	9	459
3	25	25	24	15	30	48	31	193	41	38	9	142
4	45	26	24	16	30	130	31	60	39	35	10	114
5	109	26	24	18	31	148	31	49	37	32	10	126
6	37	26	24	18	31	208	31	46	33	29	10	295
7	29	25	24	15	31	118	30	46	31	26	19	174
8	29	24	23	15	31	52	28	46	29	25	55	121
9	29	24	23	15	30	56	27	45	38	25	17	86
10	27	24	20	16	31	48	26	45	29	22	25	65
11	25	24	15	16	29	46	25	43	26	21	22	32
12	25	24	23	17	29	45	24	43	188	20	18	48
13	24	23	25	17	33	45	23	41	47	19	29	44
14	22	22	22	18	29	45	22	40	37	18	19	42
15	22	22	23	19	30	42	21	41	33	17	17	33
16	22	22	23	21	30	41	21	41	83	16	16	30
17	21	22	22	23	21	45	21	40	88	15	16	26
18	20	22	22	25	16	42	203	38	43	14	16	25
19	20	22	22	25	27	39	725	36	39	12	14	25
20	20	22	23	25	26	35	170	33	148	11	13	25
21	20	22	23	27	29	32	113	32	128	10	13	25
22	20	22	23	28	30	31	103	30	73	10	12	25
23	20	16	24	29	26	29	96	29	64	10	12	24
24	20	19	22	30	22	25	84	27	426	16	12	23
25	21	24	14	31	21	26	96	26	394	21	11	22
26	38	23	18	33	22	29	79	26	82	13	12	20
27	23	22	19	33	24	30	64	25	63	12	12	20
28	22	22	20	34	25	29	58	24	54	12	12	20
29	24	23	20	33	—	29	54	23	51	12	12	20
30	24	23	19	33	—	29	74	20	50	12	12	19
31	24	—	21	33	—	29	—	18	—	11	12	—
Mean	28	23	22	23	28	52	79	43	83	20	16	69
Max.	109	26	25	34	65	208	725	193	426	45	55	459
Min.	20	16	14	15	16	24	21	18	26	10	9	12
A. F.	1710	1370	1340	1420	1540	3180	4700	2640	4970	1230	962	4110

Total acre-feet 29170.

RED WILLOW CREEK NEAR RED WILLOW—Sec. 8-3-28 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31	29	28	17	36	35	36	77	41	53	14	13
2	33	28	28	17	41	47	37	130	77	49	14	681
3	30	29	28	18	39	34	37	317	49	44	14	180
4	32	28	30	17	36	261	37	86	47	41	14	106
5	553	30	30	18	37	151	37	57	43	38	15	113
6	56	30	30	20	36	236	36	51	40	35	14	186
7	37	29	30	19	36	141	34	49	38	33	27	175
8	36	28	30	17	37	61	34	49	35	30	153	124
9	34	28	29	22	37	61	33	48	44	37	21	90
10	31	27	28	21	37	52	31	47	39	28	33	72
11	30	26	24	22	35	51	31	48	32	28	29	60
12	29	26	24	22	35	50	30	46	153	26	24	50
13	29	26	22	22	39	49	29	44	83	26	38	45
14	28	26	32	24	35	49	29	43	42	24	31	62
15	27	26	27	22	36	47	29	44	37	23	21	41
16	27	26	27	25	35	45	28	44	164	23	22	34
17	26	27	27	34	31	46	29	42	117	22	20	32
18	26	27	27	36	31	48	204	41	55	21	20	29
19	25	26	28	33	25	45	809	40	43	17	19	26
20	26	26	28	32	40	42	261	39	182	17	18	25
21	26	25	28	34	42	40	141	38	130	18	17	24
22	27	25	29	36	35	38	120	37	82	17	16	23
23	27	22	42	38	34	37	112	36	71	17	16	22
24	27	29	22	38	31	34	100	35	654	16	16	21
25	27	27	17	45	30	36	126	34	599	45	15	23
26	28	27	27	45	29	35	82	33	151	17	15	22
27	31	27	31	37	23	35	76	32	73	16	15	22
28	27	27	25	37	27	36	67	30	65	15	14	23
29	29	27	26	38	—	36	63	29	58	15	14	23
30	28	27	29	38	—	36	82	28	57	14	14	23
31	28	—	22	38	—	36	—	28	—	14	13	—
Mean	47	27	28	28	34	63	93	55	110	26	23	79
Max.	553	30	42	45	42	261	809	317	654	53	153	681
Min.	25	22	17	17	23	34	28	28	32	14	13	13
A. F.	2880	1610	1700	1750	1910	3870	5550	3380	6550	1620	1440	4700

Total acre-feet 36960.

REPUBLICAN RIVER AT COLORADO-NEBRASKA LINE

Sec. 10-1-42 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	61	61	74	56	82	74	61	103	40	44	5	19
2	56	65	74	59	76	77	62	95	34	54	11	176
3	59	61	77	60	74	88	61	111	17	48	16	154
4	54	53	76	61	79	86	54	95	13	34	12	94
5	54	56	77	62	79	92	57	84	10	28	12	54
6	61	59	72	62	81	109	61	77	10	23	10	51
7	69	51	72	63	76	92	62	72	18	12	9	54
8	72	56	67	64	72	92	64	70	45	9	10	56
9	72	61	70	65	70	101	62	69	74	14	17	69
10	64	62	69	66	70	97	64	86	54	13	17	57
11	62	57	76	66	65	88	67	72	40	9	11	54
12	64	59	77	67	67	81	69	65	41	11	11	48
13	69	67	70	68	64	77	67	61	48	12	14	53
14	64	61	62	68	62	81	77	64	53	9	14	50
15	61	62	57	68	61	72	76	65	51	8	15	50
16	62	62	61	68	57	64	70	59	50	8	21	51
17	59	65	62	68	60	67	65	57	47	7	17	48
18	53	72	61	67	63	69	86	57	47	6	18	50
19	59	67	59	66	66	72	99	65	44	6	15	48
20	53	72	65	65	70	69	86	64	65	7	12	47
21	56	74	70	64	70	64	81	61	51	8	10	45
22	64	72	64	64	70	67	69	64	47	8	8	45
23	67	72	65	69	70	65	67	57	56	8	8	44
24	67	76	70	79	74	67	79	57	59	7	8	45
25	69	76	68	70	76	67	79	56	62	6	8	45
26	109	69	67	77	72	64	74	56	37	6	8	45
27	74	72	50	82	69	65	64	53	53	6	9	40
28	72	69	38	86	69	62	64	50	54	5	9	41
29	70	69	44	86	—	67	64	51	57	5	9	38
30	64	74	48	82	—	65	103	28	50	5	13	37
31	62	—	53	81	—	65	—	45	—	5	14	—
Mean	65	65	65	69	70	76	70	67	44	14	12	57
Max.	109	76	77	86	82	109	103	111	74	54	21	176
Min.	53	51	38	56	57	62	54	28	10	5	5	19
A. F.	3970	3870	4000	4220	3900	4690	4190	4100	2630	855	740	3370

Total acre-feet 40540.

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN

Sec. 31-1-37 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	90	105	29	6	124	137	73	95	12	46	0	5
2	61	105	34	8	121	174	57	105	12	61	0	865
3	61	126	46	9	118	275	50	144	5	61	1630	244
4	57	95	53	9	156	573	61	144	0	50	1960	131
5	86	77	95	10	184	216	61	131	0	43	287	46
6	82	61	82	11	177	115	65	115	0	73	157	32
7	65	53	61	12	164	110	61	95	16	37	138	1310
8	53	43	65	13	164	164	69	86	32	65	105	110
9	34	43	58	14	163	170	57	77	1130	86	270	61
10	53	57	50	15	177	184	37	105	477	69	244	50
11	46	53	43	17	144	164	46	90	205	40	170	34
12	43	61	38	18	77	82	43	69	126	46	69	46
13	46	57	35	20	90	1200	46	53	177	18	69	50
14	43	57	60	22	110	1600	50	61	90	16	77	50
15	69	46	80	24	110	170	57	57	32	8	61	46
16	53	46	205	26	110	100	50	46	20	1	37	40
17	43	46	120	28	63	73	69	37	43	1	29	34
18	46	50	40	31	29	77	198	34	46	1	34	29
19	53	50	50	35	32	90	296	32	126	0	23	24
20	77	40	65	39	15	86	253	40	164	0	26	29
21	77	40	73	45	12	95	221	46	95	61	46	20
22	645	34	73	57	7	95	177	40	508	415	57	16
23	198	26	43	86	8	82	120	50	508	138	61	12
24	110	23	2	115	10	115	138	46	261	10	40	16
25	105	20	2	152	17	120	131	43	86	5	29	20
26	151	157	2	187	50	177	138	40	73	4	18	26
27	144	50	3	245	58	184	90	34	53	3	10	26
28	119	34	3	257	92	110	95	29	40	1	23	23
29	86	37	4	233	—	86	86	18	37	0	14	18
30	82	29	5	140	—	110	77	18	46	0	10	26
31	115	—	5	127	—	100	—	14	—	0	8	—
Mean	96	57	49	65	92	227	99	64	147	44	184	114
Max.	645	157	205	257	184	1600	296	144	1130	415	1960	1310
Min.	34	20	2	6	7	73	37	14	0	0	0	5
A. F.	5920	3410	3020	3990	5120	13950	5890	3960	8770	2700	11310	6800

Total acre-feet 74840.

REPUBLICAN RIVER AT MAX—Sec. 32-2-36 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	208	195	131	40	348	294	195	240	39	103	0	0
2	172	185	155	48	413	462	172	480	29	103	14	935
3	163	199	155	38	515	847	204	448	32	90	1900	816
4	159	190	139	38	596	1240	204	321	7	75	1900	303
5	155	181	163	44	447	1590	195	297	7	63	361	208
6	151	167	172	48	421	730	159	279	7	56	213	159
7	155	159	172	47	267	368	185	297	7	46	181	560
8	155	155	151	56	279	245	167	279	267	33	159	235
9	147	155	172	64	256	297	181	297	500	93	139	176
10	135	167	110	80	267	327	176	321	790	100	346	131
11	117	155	15	86	251	334	172	273	410	107	229	117
12	113	163	16	99	209	327	135	251	410	84	117	155
13	107	155	120	110	199	2930	143	251	375	21	159	155
14	113	155	155	136	155	4170	151	190	347	25	113	151
15	117	159	218	177	113	1510	135	143	285	15	84	516
16	120	147	240	193	96	920	143	195	204	6	81	139
17	117	147	240	200	96	279	172	218	190	3	66	127
18	120	139	90	203	72	220	433	176	172	1	51	113
19	117	143	72	209	46	220	659	155	327	0	44	113
20	113	135	65	206	66	218	480	224	626	0	29	113
21	135	135	60	200	84	213	361	199	267	0	27	103
22	869	78	55	212	98	224	285	176	334	74	27	100
23	347	61	75	242	92	240	273	139	524	93	23	96
24	267	84	117	290	126	213	229	127	368	37	16	87
25	273	110	58	315	142	240	516	120	285	16	11	90
26	321	113	20	362	145	199	403	110	208	6	10	90
27	297	135	13	390	193	245	327	100	176	0	9	96
28	245	117	19	409	181	251	273	87	163	11	6	93
29	229	100	20	483	.....	240	245	61	127	6	5	96
30	213	127	25	421	.....	245	208	46	103	3	2	93
31	199	.....	32	355	.....	208	.....	61	.....	1	0	.....
Mean	198	144	105	187	220	647	253	210	253	41	204	206
Max.	869	199	240	483	596	4170	659	480	790	107	1900	935
Min.	107	61	13	38	46	199	135	46	7	0	0	0
A. F.	12200	8550	6440	11510	12240	39760	15040	12910	15050	2520	12540	12230

Total acre-feet 161000.

REPUBLICAN RIVER AT CULBERTSON—Sec. 20-3-31 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	120	220	160	18	460	142	191	272	89	83	0	0
2	150	258	166	18	528	264	166	304	73	78	0	1580
3	120	210	166	17	460	630	166	484	41	63	360	2570
4	120	200	182	18	437	1850	150	528	45	53	3890	965
5	134	191	200	19	429	1020	89	272	37	34	688	340
6	191	158	174	21	495	1100	150	258	28	24	420	272
7	158	127	174	22	624	1150	113	272	24	19	220	940
8	158	174	170	23	385	594	63	232	41	13	174	380
9	152	244	182	31	258	400	83	272	158	24	73	166
10	140	191	92	23	380	440	134	304	1880	45	340	95
11	130	220	103	25	107	664	150	420	940	101	572	45
12	122	200	91	25	45	440	150	380	840	158	166	49
13	118	174	62	27	220	2570	134	244	594	127	304	63
14	112	127	85	29	272	3450	120	210	688	127	158	182
15	112	158	95	31	272	1970	113	200	288	37	182	220
16	122	174	260	33	142	1100	73	174	258	4	95	191
17	127	120	235	37	24	594	89	142	191	5	89	107
18	120	134	230	44	19	400	288	142	158	1	63	95
19	127	166	230	47	28	712	1150	142	120	1	45	37
20	134	153	240	51	78	440	915	166	288	0	49	83
21	158	150	250	57	264	200	340	182	322	0	45	53
22	550	130	290	68	108	528	304	232	150	0	34	53
23	400	105	190	92	180	594	288	182	1470	1	34	73
24	258	115	150	148	64	640	360	150	940	14	37	53
25	244	113	90	222	92	790	210	142	506	31	26	120
26	340	360	55	340	89	528	200	120	322	9	19	107
27	400	174	41	469	101	506	220	113	232	5	8	89
28	288	150	21	456	138	340	288	127	166	2	6	83
29	244	140	22	410	.....	272	272	101	142	0	1	127
30	220	150	23	302	.....	550	272	78	113	0	0	113
31	191	.....	23	477	.....	210	.....	83	.....	0	0	.....
Mean	192	173	136	116	239	809	241	223	371	34	261	308
Max.	550	360	290	477	624	3450	1150	528	1880	158	3890	2570
Min.	112	105	21	17	19	142	63	78	24	0	0	0
A. F.	11820	10290	8830	7140	13290	49760	14360	13740	22100	2100	16060	18350

Total acre-feet 187800.

REPUBLICAN RIVER NEAR BLOOMINGTON—Sec. 8-1-15 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	808	575	558	115	828	354	642	1220	458	1030	174	164
2	708	553	515	110	828	365	614	1790	443	932	203	1580
3	940	548	491	151	717	526	597	1970	506	902	642	10300
4	932	542	486	180	834	848	570	3420	726	770	998	7120
5	642	515	486	182	796	2160	542	2300	548	702	1140	2740
6	642	510	482	178	841	1970	526	1790	592	648	1510	1620
7	1170	506	482	185	860	2040	506	1360	570	597	1050	1460
8	732	496	491	195	854	1970	477	1150	738	548	1790	1620
9	642	496	450	200	818	1410	458	964	1040	880	1130	1260
10	592	482	420	202	838	1090	453	880	1360	1560	2100	1460
11	542	477	406	203	808	948	453	1610	998	2040	860	1010
12	520	467	318	278	800	948	462	2040	5470	1260	496	822
13	510	462	275	223	816	940	467	1180	10000	756	834	684
14	486	458	230	227	860	1200	477	955	4780	531	1850	608
15	462	462	198	244	848	2580	477	860	2980	453	2740	597
16	443	467	489	256	746	2300	477	828	2230	406	2510	592
17	424	462	472	270	580	1910	467	744	2510	356	1910	828
18	415	467	564	290	311	1410	482	696	3620	392	964	702
19	424	477	678	317	280	1060	1930	666	1730	940	602	597
20	434	472	660	354	213	874	8880	666	1510	1910	434	536
21	443	458	608	398	258	782	4780	660	3620	702	343	491
22	501	448	586	466	330	726	3420	654	2980	378	291	482
23	491	387	542	540	425	678	2980	642	2300	276	597	438
24	531	352	506	546	411	636	2510	608	6310	248	2440	419
25	880	347	468	559	381	732	2100	619	8830	248	696	415
26	702	396	419	648	361	750	2040	597	5780	245	356	429
27	708	429	356	784	348	690	1910	558	3820	203	276	424
28	602	462	215	750	394	789	1680	531	2040	195	660	406
29	642	558	151	828	.....	666	1410	496	1410	186	273	387
30	654	575	121	972	.....	714	1360	472	1160	185	235	369
31	624	.....	138	918	.....	666	.....	467	.....	185	174	.....
Mean	621	477	428	380	621	1120	1472	1077	2702	667	977	1352
Max.	1170	575	678	972	860	2580	8880	3420	10000	2040	2740	10300
Min.	415	347	121	110	213	354	453	467	443	185	174	164
A. F.	38170	28380	26300	23340	34480	68870	87560	66230	160800	40990	60060	80450

Total acre-feet 715600.

REPUBLICAN RIVER NEAR HARDY—Sec. 6-1S.-5 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1120	732	584	274	1170	390	771	1420	626	1360	327	370
2	1040	706	608	329	1180	510	771	1450	596	1260	300	355
3	1900	626	596	282	1120	602	745	1470	584	1390	291	9310
4	1120	620	578	304	1080	674	706	1880	566	1060	296	11900
5	1160	620	572	310	1040	674	686	3460	590	1030	602	7480
6	887	608	566	303	1020	2200	650	2610	1180	880	950	3320
7	804	578	538	288	1020	1870	626	2130	778	784	1300	2250
8	866	554	549	255	1030	2640	602	1630	662	887	1380	1870
9	1080	516	538	239	1020	1990	584	1420	1360	824	1220	2230
10	866	578	446	238	1010	1610	566	1290	1150	693	1580	1490
11	726	566	417	229	978	1290	549	1370	1380	985	1530	1580
12	656	566	406	209	957	1120	532	1190	3110	1870	1460	1360
13	614	560	355	215	922	1050	532	2530	10400	1540	943	1110
14	590	549	370	230	887	1030	527	1560	8790	1120	764	985
15	566	527	380	250	866	999	538	1200	4600	845	1100	1290
16	549	522	395	264	845	2680	560	1060	3460	650	3190	1930
17	522	532	450	268	700	2020	572	992	2370	584	2800	999
18	505	532	510	321	520	1630	549	929	2070	553	1860	908
19	505	745	566	358	400	1380	566	887	3190	590	1220	1030
20	494	978	638	385	350	1120	5360	894	4040	804	908	908
21	494	584	726	414	450	992	10300	922	3860	1290	726	817
22	532	527	700	476	560	887	5940	880	6380	1210	596	726
23	522	456	887	520	662	852	4800	817	2750	771	516	650
24	549	400	668	553	560	804	4340	790	5290	596	466	632
25	549	510	614	614	527	771	3860	859	12100	538	1030	608
26	590	560	561	673	444	831	2830	880	8270	544	4910	584
27	859	488	406	836	422	915	2200	778	5750	752	1070	560
28	732	488	228	1010	380	852	1950	732	6590	423	638	538
29	732	494	209	1130	.....	778	1780	686	3440	370	1100	527
30	650	472	158	1050	.....	771	1550	644	1770	355	971	516
31	674	.....	121	1090	.....	758	.....	638	.....	370	510	.....
Mean	757	573	495	449	790	1184	1885	1290	3590	869	1179	1963
Max.	1900	978	887	1130	1180	2680	10300	3460	12100	1870	4910	11900
Min.	494	400	121	209	350	390	527	638	566	355	291	355
A. F.	46520	34100	30430	27600	43870	72770	112100	79330	213600	53410	72500	116800

Total acre-feet 903000.

ROCK CREEK AT PARKS—Sec. 21-1-39 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	14	16	12	15	16	16	16	14	14	12	13
2	14	14	16	12	15	16	16	16	14	14	13	18
3	14	14	16	15	15	17	15	18	14	14	14	16
4	14	14	16	18	15	17	15	18	14	14	14	15
5	15	14	16	17	15	17	15	17	14	13	14	14
6	15	14	16	20	15	17	15	17	14	13	14	13
7	15	14	16	23	15	17	16	16	14	13	14	13
8	16	14	15	20	15	16	16	16	16	13	13	13
9	16	14	15	19	15	16	16	16	16	13	13	13
10	15	14	15	18	15	16	16	17	16	13	13	14
11	14	14	14	20	15	16	15	17	14	13	13	14
12	14	14	14	22	15	16	15	17	14	13	13	15
13	14	14	14	22	15	16	13	16	15	13	14	14
14	14	14	14	27	15	16	13	16	14	12	14	14
15	14	14	14	25	15	16	13	16	14	12	14	16
16	14	14	14	21	15	16	13	16	14	10	13	15
17	14	14	14	17	16	15	13	16	14	10	13	14
18	15	14	14	17	14	15	16	15	14	10	11	13
19	15	14	14	17	13	15	22	16	14	10	11	13
20	15	14	14	17	16	16	21	16	14	10	11	13
21	15	14	15	17	15	16	19	16	15	10	12	13
22	16	14	15	16	15	15	17	16	16	10	12	13
23	15	17	15	16	15	15	16	14	17	10	11	13
24	14	15	15	16	16	15	16	11	16	11	11	13
25	14	15	12	16	15	16	16	14	15	12	11	13
26	15	15	10	15	15	16	16	14	15	12	11	13
27	15	16	10	15	15	16	15	13	14	12	11	13
28	14	16	10	16	15	16	15	13	14	13	11	13
29	14	15	10	17	---	16	15	15	14	12	11	13
30	14	16	10	17	---	16	15	14	14	12	11	13
31	14	---	10	16	---	16	---	14	---	12	11	---
Mean	14	14	14	18	15	16	16	16	15	12	12	14
Max.	16	17	16	27	16	17	22	18	17	14	14	18
Min.	14	14	10	12	12	15	13	11	14	10	11	13
A. F.	895	859	851	1100	833	982	932	956	867	740	762	819

Total acre-feet 10600.

SAND CREEK—Sec. 10-15-40 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	4	2	3	5	3	3	3	5	3	4	5
2	3	5	2	3	4	3	3	4	4	3	4	6
3	3	4	2	3	4	3	3	4	4	3	4	6
4	4	4	2	3	4	3	3	3	4	3	4	5
5	4	4	2	3	4	3	3	3	4	3	4	5
6	4	4	2	3	4	3	3	3	5	3	4	4
7	3	4	2	3	4	3	3	3	4	3	4	4
8	3	4	2	3	5	3	3	3	4	3	4	4
9	3	3	2	3	4	3	3	3	4	3	4	3
10	3	3	2	3	4	3	3	3	4	3	4	3
11	3	3	2	3	4	3	3	3	4	3	4	3
12	3	3	2	3	4	3	3	6	3	3	4	3
13	3	3	2	3	3	3	3	6	3	3	4	3
14	3	2	2	3	3	3	3	5	3	4	4	3
15	3	2	2	3	3	4	3	5	3	4	4	3
16	3	2	2	3	3	4	3	4	3	4	4	3
17	3	1	2	3	3	4	3	4	3	4	4	3
18	3	1	2	3	3	4	6	4	3	4	4	3
19	3	1	2	3	3	4	5	4	3	4	4	3
20	3	1	2	3	3	4	4	4	4	4	4	3
21	3	1	2	3	3	3	3	4	4	4	4	3
22	3	1	2	3	3	3	2	3	4	4	4	3
23	3	1	2	3	3	3	2	3	3	4	4	3
24	3	1	2	3	3	3	3	3	3	4	4	3
25	3	2	3	4	3	4	3	3	3	4	4	4
26	4	2	3	4	3	4	3	3	3	4	4	4
27	4	2	3	4	3	3	3	3	3	4	4	3
28	4	2	3	4	3	3	3	3	3	4	4	3
29	4	2	3	4	--	3	3	3	4	4	4	3
30	4	2	3	4	--	3	4	5	4	4	4	3
31	4	--	3	5	--	3	--	5	--	4	4	--
Mean	3	2	2	3	3	3	3	4	4	4	4	4
Max.	4	5	3	5	5	4	6	6	5	4	4	6
Min.	3	1	2	3	3	3	2	3	3	3	4	3
A. F.	200	145	135	200	190	200	190	230	215	220	245	210

Total acre-feet 2380.

SAPPA CREEK NEAR BEAVER CITY—Sec. 14-1-23 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52	17	15	4	19	14	13	105	56	31	13	13
2	48	16	15	4	14	14	12	180	24	29	13	476
3	45	16	16	4	15	14	12	162	22	28	13	164
4	41	16	16	5	15	15	12	122	18	26	124	65
5	37	16	15	5	14	16	12	72	217	25	46	36
6	33	16	13	6	15	17	12	64	242	25	24	22
7	17	17	11	7	15	15	11	91	83	23	21	19
8	20	17	12	7	16	13	11	39	51	22	18	49
9	28	17	16	8	15	19	12	37	41	119	14	64
10	27	16	23	8	14	20	11	35	68	247	13	32
11	25	16	26	9	11	20	11	34	40	45	13	23
12	24	16	20	9	8	18	12	34	708	31	13	17
13	25	15	18	10	10	17	12	31	1550	21	419	15
14	27	15	17	10	14	17	12	31	552	19	1050	13
15	23	16	15	10	13	18	12	30	219	16	811	14
16	21	15	14	11	14	17	12	30	648	16	203	15
17	23	15	12	11	13	17	12	34	428	15	76	13
18	21	16	10	11	11	17	60	33	128	808	48	27
19	19	16	12	11	8	16	226	33	50	1210	39	58
20	23	16	13	11	8	16	262	31	136	187	35	27
21	21	16	13	11	8	13	525	30	88	25	199	21
22	22	17	14	13	7	13	805	29	88	26	1070	15
23	20	17	15	14	8	12	235	29	57	25	76	14
24	20	18	10	15	7	13	227	29	671	22	40	13
25	20	18	12	15	10	13	128	29	532	18	26	12
26	19	17	12	16	12	13	92	27	144	15	20	11
27	18	14	9	16	12	13	79	27	66	24	21	10
28	17	14	8	17	13	12	86	27	51	20	17	9
29	16	14	6	17	—	14	60	25	40	16	16	9
30	16	14	6	17	—	17	76	23	29	14	15	9
31	18	—	5	17	—	14	—	27	—	13	12	—
Mean	25	16	13	11	12	15	102	49	235	102	146	43
Max.	52	18	26	17	19	20	805	180	1550	1210	1070	476
Min.	16	14	5	4	7	12	11	23	18	13	12	9
A. F.	1560	950	831	653	672	946	6070	3030	13980	6270	8960	2550

Total acre-feet 46470.

SARBEN SLOUGH—Sec. 20-14-35 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	4	4	3	2	4	4	5	4	3	0	6
2	5	4	4	3	2	4	4	5	4	3	0	6
3	5	4	4	3	2	4	4	5	4	3	0	6
4	5	4	4	3	2	4	4	5	4	3	0	6
5	5	4	4	3	2	4	4	5	4	3	0	6
6	5	4	4	2	2	4	4	5	3	3	0	6
7	5	4	4	2	2	4	4	5	3	3	0	6
8	5	4	4	2	2	4	4	5	3	3	0	6
9	5	4	4	2	2	4	4	5	3	3	0	6
10	5	4	4	2	2	4	4	5	3	3	0	6
11	3	4	3	2	2	4	3	5	3	3	0	5
12	3	4	3	2	2	4	3	5	3	0	0	5
13	3	4	3	2	2	4	3	5	3	0	0	5
14	3	4	3	2	2	4	3	5	3	0	0	5
15	3	4	3	2	2	4	3	5	3	0	0	5
16	3	4	3	2	3	5	3	5	3	0	0	4
17	3	4	3	2	3	5	3	5	3	0	0	4
18	3	4	3	2	3	5	3	5	3	0	0	4
19	3	4	3	2	3	5	3	5	3	0	0	4
20	3	4	3	2	3	5	3	5	3	0	0	4
21	3	4	2	2	3	5	4	5	3	0	0	5
22	3	4	2	2	3	5	5	5	3	0	0	5
23	3	4	2	2	3	5	6	5	3	0	0	5
24	3	4	2	2	3	5	6	5	3	0	0	5
25	3	4	2	3	3	5	6	5	3	0	0	5
26	3	4	2	3	3	4	5	4	3	0	0	5
27	3	4	2	3	3	4	5	4	3	0	0	5
28	3	4	2	3	3	4	5	4	3	0	0	5
29	3	4	2	3	—	4	5	4	3	0	0	5
30	3	4	2	3	—	4	5	4	3	0	0	5
31	3	—	2	3	—	4	—	4	—	0	0	—
Mean	4	4	3	2	3	4	4	5	3	1	0	5
Max.	5	4	4	3	3	5	6	5	4	3	0	6
Min.	3	4	2	2	2	4	3	4	3	0	0	4
A. F.	225	240	180	145	135	265	240	295	190	65	0	305

Total acre-feet 2285.

SCOTTSBLUFF DRAIN NO. 1—Sec. 25-22-55 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	12	7	3	5	5	5	9	6	5	8	15
2	10	12	7	3	5	5	5	8	6	5	7	18
3	10	12	7	3	5	5	5	8	6	6	9	18
4	10	12	7	3	5	5	5	11	10	5	8	18
5	10	12	7	3	5	5	5	11	6	5	7	17
6	10	10	7	3	5	5	4	11	6	7	7	14
7	10	10	7	3	5	5	4	10	6	5	5	15
8	10	10	7	3	5	5	4	10	6	5	10	15
9	10	10	7	3	5	5	4	9	7	5	10	16
10	10	10	7	3	5	5	4	10	5	5	13	17
11	10	8	7	2	5	6	4	10	5	6	9	17
12	10	8	7	2	5	6	4	8	5	5	11	17
13	10	8	7	2	5	6	4	8	6	4	10	16
14	10	8	7	2	5	10	4	9	7	5	9	14
15	10	8	7	2	5	7	4	9	6	5	9	15
16	12	8	5	2	5	6	4	9	8	5	11	14
17	12	8	5	2	5	5	4	9	7	7	10	14
18	12	8	5	2	5	5	4	8	7	5	10	16
19	12	8	5	2	5	10	4	8	7	8	11	16
20	12	8	5	2	5	10	4	8	6	6	11	19
21	12	8	5	2	5	8	4	8	7	6	11	19
22	12	8	5	2	5	6	4	8	10	6	13	19
23	12	8	5	3	5	6	10	7	10	6	14	18
24	12	8	5	3	5	6	30	7	5	6	11	15
25	12	8	5	3	5	5	30	6	4	6	14	16
26	12	8	3	3	5	5	20	6	7	6	15	14
27	12	8	3	3	5	5	20	6	7	8	12	14
28	12	8	3	4	5	5	15	10	7	5	12	14
29	12	8	3	4	..	5	20	8	6	8	14	15
30	12	8	3	4	..	5	10	7	6	6	15	13
31	12		3	4		5		7		4	14	
Mean	11	9	6	3	5	6	8	8	7	6	11	15
Max.	12	12	7	4	5	10	30	11	10	8	15	19
Min.	10	8	3	2	5	5	4	6	4	4	5	13
A. F.	680	520	340	170	280	360	490	520	390	350	655	975

Total acre-feet 5730.

SCOTTSBLUFF DRAIN NO. 2—Sec. 34-22-54 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	*	*	*	*	*	2	10	6	6	6	11
2	*	*	*	*	*	*	2	8	5	6	6	11
3	*	*	*	*	*	*	2	8	5	6	6	11
4	*	*	*	*	2	*	2	7	4	6	7	11
5	*	*	2	*	*	*	2	11	7	6	7	11
6	*	*	*	*	*	*	2	10	6	6	7	11
7	*	*	*	*	*	*	2	9	5	6	7	11
8	*	*	*	*	*	*	2	8	5	6	7	10
9	*	*	*	*	*	*	2	8	5	6	7	10
10	*	*	*	*	*	*	2	10	6	6	7	10
11	*	*	*	*	*	*	2	11	7	5	7	10
12	*	*	*	*	*	*	2	12	10	5	7	10
13	*	*	*	*	*	2	2	14	8	5	7	10
14	*	*	*	*	*	*	2	13	7	5	7	10
15	*	*	*	*	*	*	2	11	7	5	7	10
16	*	*	*	*	*	*	2	9	7	5	7	10
17	24	*	*	*	*	*	2	8	6	5	7	10
18	*	*	*	*	1	*	3	7	6	5	14	12
19	*	*	*	*	*	*	6	7	6	5	13	12
20	*	*	*	*	*	*	5	6	6	7	12	11
21	*	*	*	*	*	*	3	6	7	6	12	10
22	*	*	*	*	*	*	2	6	7	5	11	9
23	*	*	*	*	*	*	4	6	7	5	11	8
24	*	*	*	*	*	*	9	6	6	5	11	8
25	*	*	*	*	*	*	8	6	6	5	11	9
26	*	*	*	*	*	*	7	6	6	5	11	9
27	*	*	*	*	*	*	7	6	6	5	11	8
28	*	*	*	*	*	*	4	5	9	6	11	8
29	*	*	*	*	_	*	4	5	8	6	11	8
30	*	*	*	*	_	*	10	7	6	6	11	8
31	*	_	*	*	_	*	_	8	_	6	11	_
Mean	—	—	—	—	—	—	4	8	6	6	9	10
Max.	—	—	—	—	—	—	10	14	10	7	14	12
Min.	—	—	—	—	—	—	2	5	4	5	6	8
A. F.	†1500	†500	†130	†130	†100	†110	210	505	380	340	550	590

Total acre-feet 5050.
*No record.
†Estimated.

SHEEP CREEK NEAR MORRILL—Sec. 16-23-57 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	62	68	50	50	49	52	45	85	78	34	10	10
2	66	70	45	49	49	52	45	70	62	14	10	10
3	70	70	48	48	48	52	46	63	60	13	10	11
4	68	70	54	47	49	52	46	60	95	12	10	10
5	66	68	64	47	50	52	48	63	64	12	10	10
6	66	66	61	46	50	51	50	62	63	12	10	10
7	66	64	61	46	50	50	49	59	63	12	10	9
8	67	64	59	51	50	51	49	57	64	12	10	9
9	69	64	58	53	50	51	49	58	65	12	15	9
10	66	64	54	53	50	51	50	58	65	12	14	10
11	57	66	56	53	50	51	50	63	65	12	8	11
12	54	65	54	53	50	51	50	72	66	12	8	12
13	62	64	53	52	51	51	50	93	65	12	9	13
14	70	64	52	52	51	52	50	79	62	12	9	14
15	81	63	27	52	51	52	50	69	61	12	8	14
16	86	63	12	53	51	52	47	70	60	12	8	14
17	67	63	46	54	51	54	49	68	58	12	8	12
18	68	62	49	54	54	52	52	66	57	11	8	17
19	67	62	52	54	52	53	50	66	34	11	8	83
20	52	62	53	54	52	50	49	66	15	12	8	102
21	54	62	53	53	52	50	49	66	14	12	7	88
22	58	65	55	53	52	52	51	66	42	11	5	87
23	62	61	54	53	51	50	64	66	59	12	5	88
24	67	61	54	53	51	50	83	65	62	6	5	106
25	68	64	54	52	52	52	71	62	64	5	8	123
26	69	65	54	52	53	48	55	62	61	14	10	119
27	63	56	54	52	53	46	69	60	59	13	12	116
28	66	51	53	52	52	45	66	60	59	12	12	115
29	68	52	52	52	—	43	65	60	58	12	14	116
30	73	46	52	49	—	44	79	60	58	11	12	114
31	73	—	51	49	—	45	—	64	—	10	10	—
Mean	66	63	51	51	51	50	54	66	59	12	9	49
Max.	86	70	64	54	54	54	83	93	95	34	15	128
Min.	52	46	12	46	48	43	45	57	14	5	5	9
A. F.	4070	3740	3160	3160	2820	3090	3230	4040	3490	757	586	2910

Total acre-feet 35050.

SILVERNAIL DRAIN—Sec. 6-19-49 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	5	4	3	4	3	3	9	36	38	1	7
2	6	5	4	3	4	3	3	9	30	42	1	8
3	6	5	4	3	4	3	3	7	13	24	0	8
4	6	5	4	3	4	3	3	5	18	7	50	9
5	6	5	4	3	4	3	3	5	4	3	37	9
6	6	5	4	3	4	3	3	5	15	3	29	9
7	6	5	4	3	4	3	3	6	24	3	22	7
8	6	5	4	3	4	3	3	6	13	1	8	7
9	6	5	4	3	4	3	3	6	15	1	12	7
10	6	5	4	3	4	3	3	6	38	1	37	7
11	5	4	4	3	4	3	4	6	30	4	21	8
12	5	4	4	3	4	3	4	6	44	1	16	9
13	5	4	4	3	4	3	4	6	24	4	7	9
14	5	4	4	3	4	3	4	3	30	4	7	10
15	5	4	4	3	4	3	4	3	36	3	6	9
16	5	4	4	3	4	3	4	4	24	4	6	9
17	5	4	4	3	4	3	4	4	8	3	6	11
18	5	4	4	3	4	3	4	4	26	1	8	13
19	5	4	4	3	4	3	4	4	6	4	7	19
20	5	4	4	3	4	3	4	4	12	10	6	19
21	5	4	4	4	4	4	4	5	6	1	8	9
22	5	4	4	4	4	4	4	2	18	2	7	12
23	5	4	4	4	4	4	4	3	30	1	7	9
24	5	4	4	4	4	4	10	3	4	9	7	8
25	5	4	4	4	4	4	10	3	12	24	7	19
26	5	4	4	4	4	4	6	2	24	18	7	16
27	5	4	4	4	4	4	4	2	8	2	15	16
28	5	4	4	4	4	4	6	3	36	12	8	16
29	5	4	4	4	–	4	8	8	30	6	7	12
30	5	4	4	4	–	4	8	8	30	4	7	8
31	5	–	4	4	–	4	–	36	—	8	7	–
Mean	5	4	4	3	4	3	4	6	21	8	12	10
Max.	6	5	4	4	4	4	10	9	44	42	50	19
Min.	5	4	4	3	4	3	3	2	4	1	0	7
A. F.	330	260	245	205	220	205	270	375	1280	490	740	630

Total acre-feet 5250.

SPOTTED TAIL CREEK, DRY—Sec. 28-23-56 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	49	20	15	15	20	22	20	33	48	36	34	46
2	40	20	15	15	20	22	20	28	28	36	29	47
3	35	20	15	15	20	22	20	30	26	36	25	53
4	35	20	15	15	20	22	20	32	41	29	30	48
5	35	20	15	15	20	22	20	30	27	29	30	52
6	35	20	15	15	20	22	15	65	37	28	30	53
7	30	20	15	15	20	22	15	34	27	28	29	47
8	30	20	15	15	20	22	15	31	26	29	28	53
9	30	20	15	15	20	22	15	38	28	40	30	55
10	25	20	15	15	20	22	15	40	28	30	42	56
11	25	16	10	10	20	21	15	61	28	32	44	55
12	25	16	10	10	20	21	15	80	30	29	37	55
13	25	16	10	10	20	21	15	80	29	36	49	52
14	20	16	10	10	20	21	15	73	26	34	49	49
15	20	16	10	10	20	21	15	57	26	30	48	53
16	19	16	10	10	22	21	15	57	28	34	48	48
17	20	16	10	10	22	21	15	56	27	28	51	55
18	20	16	10	10	22	21	15	57	29	28	52	65
19	20	16	10	10	22	21	13	97	40	28	52	57
20	20	16	10	10	22	21	13	28	34	40	53	48
21	20	16	10	15	22	21	13	26	37	40	52	45
22	20	16	15	15	22	21	13	26	30	33	48	49
23	20	16	15	15	22	21	20	27	29	28	48	56
24	20	16	15	15	22	21	40	26	30	36	43	52
25	20	16	15	15	22	21	30	26	46	36	46	47
26	20	16	15	20	22	21	20	27	36	33	52	45
27	20	16	15	20	22	21	20	25	41	30	52	41
28	20	16	15	20	22	21	25	26	46	53	52	43
29	20	16	15	20	....	21	35	26	35	40	49	43
30	20	16	15	20	....	21	35	27	33	38	48	50
31	20	....	15	20	....	21	....	29	....	36	50	....
Mean	25	17	13	14	21	21	19	42	32	34	42	50
Max.	49	20	15	20	22	22	35	97	48	53	53	65
Min.	19	16	10	10	20	21	13	25	26	28	23	41
A. F.	1540	1030	810	880	1160	1310	1130	2570	1940	2070	2550	3010

Total acre-feet 20000.

SPOTTED TAIL CREEK, WET—Sec. 6-22-55 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	13	10	10	10	9	9	16	12	*	12	14
2	14	13	10	10	10	9	9	14	10	*	12	14
3	14	18	10	10	10	9	9	14	10	*	12	14
4	14	16	10	10	10	9	9	13	13	*	16	14
5	14	16	10	10	10	9	9	12	13	*	16	14
6	14	17	10	10	10	9	9	10	12	*	15	14
7	14	16	10	10	10	9	9	10	10	*	15	14
8	14	16	10	10	12	9	9	10	10	*	15	16
9	13	16	10	10	11	9	9	10	10	*	15	15
10	13	14	10	10	10	9	9	18	10	*	15	14
11	13	14	10	8	10	11	9	18	11	*	15	14
12	13	14	10	8	10	11	8	18	11	*	15	14
13	13	14	10	8	10	11	8	18	11	*	15	14
14	13	14	10	8	10	11	8	18	11	*	16	14
15	13	14	10	8	12	11	8	18	11	*	16	14
16	12	14	9	8	11	8	8	16	10	*	16	14
17	13	14	9	8	10	8	8	16	8	*	16	14
18	12	14	9	8	9	8	12	16	7	*	16	15
19	12	14	9	8	9	8	12	15	7	*	16	16
20	12	14	9	8	9	8	12	14	7	*	16	15
21	12	14	9	6	9	8	10	12	12	*	16	13
22	12	18	9	6	9	8	8	12	11	*	16	12
23	12	17	9	6	9	8	8	10	10	*	16	11
24	12	16	9	6	9	8	14	10	10	*	16	11
25	12	15	12	6	9	8	14	13	10	*	16	12
26	12	13	12	8	9	9	12	13	8	*	14	11
27	12	11	12	8	9	9	13	12	8	*	14	10
28	12	11	12	8	9	9	12	12	8	*	14	10
29	14	11	12	8	-	9	12	13	8	*	14	10
30	14	11	11	8	-	9	12	13	8	*	14	10
31	14	....	11	8	..	9	....	13	..	*	14	....
Mean	13	14	10	9	10	9	10	14	10	..	15	13
Max.	14	18	13	10	12	11	14	18	13	..	16	16
Min.	12	11	9	6	9	8	8	10	7	..	12	10
A. F.	†795	†855	†625	†510	545	†550	590	845	590	†595	920	785

Total acre-feet 8205.
*No record.
†Estimated.

SPRING CREEK—Sec. 4-23-58 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	10	*	*	*	*	*	20	12	9	7	8
2	8	*	*	*	6	*	*	15	12	9	7	8
3	8	*	*	*	*	*	*	14	12	9	8	8
4	8	*	*	*	*	*	*	14	16	8	8	8
5	8	*	*	*	*	*	*	16	14	8	11	7
6	8	*	*	*	*	*	*	15	14	8	11	7
7	8	*	*	*	*	*	*	15	14	8	10	10
8	8	*	*	*	*	*	*	15	13	8	10	9
9	8	*	*	*	*	*	8	15	13	8	10	9
10	8	*	*	*	*	*	*	15	12	8	9	9
11	8	*	*	*	*	*	*	15	12	8	9	7
12	8	*	*	*	*	9	*	14	10	7	9	7
13	9	*	*	*	*	*	*	14	10	7	10	7
14	9	*	*	*	*	*	*	14	10	7	10	7
15	9	*	*	*	*	*	*	14	10	6	10	6
16	10	*	*	*	*	*	*	14	12	6	10	6
17	10	*	*	*	*	*	*	14	10	6	10	6
18	10	*	*	*	*	*	*	14	10	6	10	9
19	10	*	8	*	*	*	*	14	10	6	10	12
20	10	*	*	*	9	*	*	14	10	6	10	10
21	10	*	*	*	*	*	*	14	8	6	10	10
22	10	*	*	*	*	*	*	14	8	6	10	8
23	10	*	*	*	*	*	*	13	8	6	10	8
24	10	*	*	*	*	*	*	13	8	6	10	7
25	10	*	*	*	*	*	*	13	14	6	10	11
26	10	*	*	*	*	*	*	13	13	6	10	10
27	10	*	*	*	*	*	*	12	12	10	11	9
28	10	*	*	*	*	*	*	12	11	10	11	8
29	10	*	*	*	_	*	*	12	10	9	10	7
30	10	*	*	*	_	*	*	12	10	8	10	6
31	10	_	*	*	_	*	_	12	...	8	10	_
Mean	9	---	---	---	---	---	---	14	11	7	10	8
Max.	10	---	---	---	---	---	---	20	16	10	11	12
Min.	8	---	---	---	---	---	---	12	8	6	7	6
A. F.	560	†660	†500	†365	†440	†520	†500	865	670	455	600	480

Total acre-feet †6615.
*No record.
†Estimated.

STREVER CREEK—Sec. 1-8-20 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	19	5	3	6	8	9	24	15	37	11	10
2	20	16	5	3	6	8	9	23	126	34	9	34
3	20	15	5	3	6	10	9	31	23	32	7	200
4	20	10	5	3	6	10	9	27	17	28	11	150
5	20	10	5	3	6	14	9	26	16	22	9	36
6	20	10	5	3	7	14	8	23	16	24	13	37
7	20	10	5	3	7	18	8	22	15	22	13	29
8	20	8	5	3	7	23	8	22	15	20	12	26
9	20	8	5	3	7	20	6	21	32	19	10	25
10	20	8	5	3	7	15	6	22	22	17	10	23
11	20	6	4	2	7	10	6	147	19	18	10	20
12	20	4	4	2	8	10	6	70	20	18	10	19
13	20	4	4	2	8	8	6	29	36	17	22	18
14	20	4	4	2	8	8	6	23	24	16	28	18
15	20	4	4	2	8	8	6	19	21	14	40	18
16	20	4	4	2	8	8	6	18	21	12	24	18
17	20	4	4	2	8	7	6	15	20	11	21	18
18	20	4	4	2	8	7	6	13	20	12	26	17
19	20	4	4	2	8	7	10	12	19	11	21	16
20	20	4	4	2	8	7	15	13	34	10	18	15
21	19	4	4	2	8	7	15	12	56	10	18	15
22	19	4	4	2	8	7	15	12	53	14	16	14
23	19	4	4	2	8	7	10	12	38	10	14	13
24	19	4	4	2	8	7	10	12	140	10	13	13
25	19	4	4	2	8	15	30	11	297	9	14	15
26	19	4	4	4	8	20	25	13	200	9	14	14
27	19	4	3	4	8	18	20	12	150	9	13	15
28	19	4	3	4	8	15	20	12	114	10	12	13
29	19	4	3	4	_	10	20	12	54	12	13	13
30	19	4	3	4	_	10	20	12	42	14	12	13
31	19	_	3	4	_	10	_	12	...	17	11	_
Mean	20	6	4	3	7	11	11	24	56	17	15	29
Max.	20	19	5	4	8	23	30	147	297	37	40	200
Min.	19	4	3	2	6	7	6	11	15	9	7	10
A. F.	1210	390	255	165	410	690	670	1450	3330	1030	940	1760

Total acre-feet 12300.

STINKING WATER CREEK NEAR WAUNETA—Sec. 7-6-35 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	22	24	13	32	33	34	150	91	20	12	15
2	21	22	24	11	29	40	30	91	69	19	12	66
3	21	25	24	9	32	46	27	90	42	18	14	158
4	86	26	25	9	38	47	25	121	29	16	16	164
5	60	25	25	12	39	57	24	80	27	16	17	100
6	39	24	24	11	38	62	23	57	23	14	19	62
7	23	22	25	10	37	53	22	41	21	14	13	44
8	19	22	24	11	35	59	24	34	20	14	13	27
9	18	22	23	11	32	70	24	34	27	13	13	24
10	18	22	21	12	30	78	24	38	28	13	12	23
11	17	22	24	10	26	80	22	36	22	12	11	22
12	17	22	22	11	29	56	21	45	20	12	12	21
13	17	22	25	15	31	40	21	40	22	11	19	20
14	19	22	25	22	31	36	20	37	23	11	23	27
15	19	22	26	37	30	35	21	43	22	10	17	25
16	19	22	25	43	28	35	21	34	20	10	14	24
17	18	22	25	34	20	32	21	28	20	9	13	21
18	19	22	26	34	28	30	32	30	18	9	12	20
19	18	22	25	38	30	29	53	29	20	12	12	21
20	19	22	25	38	29	28	45	27	22	13	12	22
21	20	22	25	36	31	29	36	26	30	12	12	22
22	22	21	24	33	27	27	34	25	34	10	12	20
23	23	22	22	32	28	27	27	24	38	11	12	20
24	21	22	24	34	27	26	25	22	58	11	12	20
25	21	22	18	36	26	26	30	21	60	11	12	23
26	27	24	20	38	18	24	27	20	48	11	13	24
27	33	25	20	43	25	31	24	18	40	10	13	22
28	30	24	13	40	23	34	21	18	42	18	13	20
29	26	24	12	39	...	39	19	17	37	23	12	19
30	22	24	12	35	...	35	94	15	22	19	12	19
31	22	...	12	32	...	35	...	16	...	13	12	...
Mean	25	23	22	26	30	41	29	42	33	13	14	37
Max.	86	26	26	43	39	80	94	150	91	23	23	164
Min.	17	21	12	9	18	24	19	15	18	9	11	15
A. F.	1540	1350	1376	1560	1640	2540	1730	2590	1980	823	835	2210

Total acre-feet 20170.

TUB SPRINGS—Sec. 8-22-55 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	102	36	30	30	28	25	22	28	38	38	17	38
2	91	37	30	30	28	25	22	28	36	21	24	49
3	93	37	30	30	28	25	22	28	32	3	10	36
4	90	37	30	30	28	25	22	28	46	2	6	34
5	87	37	30	30	28	25	22	28	32	1	8	58
6	87	35	28	30	28	25	22	28	34	1	15	48
7	87	35	28	30	28	25	22	28	38	1	17	54
8	83	35	28	35	28	25	21	28	39	2	17	54
9	81	35	28	33	28	25	21	28	22	3	24	48
10	73	35	28	30	28	25	21	31	36	3	20	43
11	67	35	25	28	28	27	21	31	39	3	19	42
12	71	35	25	28	28	27	21	34	47	3	16	48
13	72	35	25	28	28	27	21	45	52	3	14	55
14	69	35	25	28	28	27	21	37	57	4	4	56
15	63	35	25	24	28	27	21	36	54	2	14	44
16	63	32	20	24	24	27	21	36	57	2	22	34
17	61	32	20	24	24	27	21	34	51	3	31	36
18	58	32	20	24	24	27	21	34	49	2	21	69
19	60	32	20	24	24	35	21	45	32	2	15	63
20	61	32	20	24	24	30	21	63	35	4	9	82
21	58	32	20	26	24	27	21	49	63	6	6	81
22	62	32	22	26	24	25	21	47	63	5	13	84
23	61	32	24	26	24	25	21	46	61	5	28	75
24	61	32	28	26	24	25	23	46	71	5	24	67
25	61	32	28	26	24	25	25	43	73	3	26	79
26	59	32	30	28	24	22	27	45	52	5	26	75
27	52	30	30	28	24	22	28	43	57	28	23	63
28	41	30	30	28	24	22	28	34	73	12	24	46
29	35	30	30	28	...	22	28	33	62	11	28	47
30	38	30	30	28	...	22	28	32	45	21	31	39
31	38	...	30	28	...	22	...	39	...	26	36	...
Mean	67	33	26	28	26	25	22	37	48	7	19	54
Max.	102	37	30	30	28	35	28	63	73	38	36	84
Min.	35	30	29	24	24	22	21	28	22	1	4	34
A. F.	4140	2000	1620	1710	1450	1570	1340	2250	2870	455	1170	3210

Total acre-feet 23785.

WHITE HORSE CREEK—Sec. 5-13-29 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	10	13	12	20	15	30	30	12	15	4	100
2	13	10	13	12	25	17	20	40	15	20	4	100
3	13	10	13	12	25	15	15	30	12	16	4	80
4	13	10	13	12	32	15	15	20	10	14	4	60
5	13	10	13	12	30	15	15	20	10	12	3	40
6	13	12	13	12	20	15	12	20	18	10	3	20
7	13	12	13	12	15	18	12	20	15	10	5	15
8	13	12	13	12	15	20	12	20	15	8	7	15
9	13	12	13	12	12	30	12	26	12	8	7	15
10	12	12	13	12	12	50	12	30	10	8	7	12
11	10	12	14	10	12	40	12	20	10	4	5	12
12	10	12	14	10	12	20	12	40	18	4	8	12
13	10	12	14	10	12	20	12	30	14	4	6	15
14	10	12	14	10	12	20	12	35	12	4	5	20
15	10	13	14	10	10	20	12	35	12	4	5	15
16	8	13	14	12	10	20	12	34	10	2	4	12
17	8	13	14	14	10	20	15	30	10	2	8	12
18	8	13	14	14	10	20	80	30	10	2	6	13
19	8	13	14	14	12	15	100	35	12	2	3	13
20	8	13	14	14	12	15	230	30	19	2	3	13
21	8	14	12	14	15	15	150	20	18	2	3	13
22	8	14	12	14	15	12	100	15	14	2	3	13
23	8	14	12	14	15	12	80	15	14	2	3	13
24	8	14	12	14	15	12	60	15	14	3	3	15
25	8	14	12	14	15	20	80	15	14	5	3	18
26	10	14	12	16	15	25	90	12	12	10	3	15
27	10	14	12	16	15	25	95	12	12	30	3	15
28	10	14	12	18	15	25	80	12	12	15	3	12
29	13	14	12	20	....	30	60	12	15	5	3	12
30	13	14	12	20	....	30	30	12	15	5	3	12
31	13	....	12	20	....	39	....	12	....	4	10	....
Mean	11	12	13	14	16	21	49	23	13	8	5	24
Max.	13	14	14	20	32	50	230	40	19	30	10	100
Min.	8	10	12	10	10	12	12	12	10	2	3	12
A. F.	650	745	800	830	870	300	2930	1440	785	465	280	1450

Total acre-feet 11545.

WHITE RIVER AT CRAWFORD—Sec. 9-31-52 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	17	17	15	15	21	22	76	29	28	26	16
2	13	17	18	14	18	21	21	40	28	29	26	17
3	13	17	18	13	21	21	21	36	28	25	27	17
4	13	17	18	13	21	22	21	36	170	25	30	17
5	14	16	18	13	21	21	21	36	101	25	24	17
6	15	17	18	14	21	22	21	37	97	24	23	17
7	14	16	17	14	21	22	21	48	44	23	22	17
8	14	16	16	15	21	22	21	40	49	22	21	16
9	15	16	14	16	20	22	21	50	46	21	21	16
10	15	16	13	17	17	23	21	88	42	20	35	16
11	14	16	13	20	17	22	21	123	38	20	23	19
12	14	16	14	20	18	22	21	848	34	20	20	18
13	14	16	14	21	18	22	20	506	38	19	21	18
14	15	16	16	22	18	23	20	477	36	19	20	18
15	15	16	17	21	16	24	21	141	39	19	20	17
16	15	16	18	21	17	23	22	77	38	19	18	17
17	16	16	18	21	17	22	24	71	34	19	18	21
18	16	16	18	21	18	23	26	66	34	22	23	23
19	16	16	18	21	19	23	27	58	35	22	18	21
20	16	16	18	20	19	23	23	48	35	22	16	20
21	16	16	19	19	18	23	22	44	37	25	16	20
22	16	16	18	20	18	22	21	40	36	20	16	20
23	16	16	18	21	19	22	24	39	36	18	16	22
24	16	16	18	21	20	22	58	37	36	17	16	22
25	16	16	18	21	18	22	34	38	36	33	16	22
26	17	16	18	21	17	22	30	38	36	23	16	22
27	17	17	17	22	18	22	34	32	32	22	16	22
28	16	17	16	22	20	22	30	30	31	224	16	22
29	16	17	16	19	....	22	29	30	29	36	16	21
30	17	18	16	16	....	22	46	29	25	32	16	22
31	17	....	15	15	....	22	....	29	....	28	16	....
Mean	15	16	17	18	18	22	25	106	44	30	20	19
Max.	17	18	19	22	21	24	58	848	170	224	35	23
Min.	12	16	13	13	15	21	20	29	28	17	16	16
A. F.	930	972	1030	1130	1030	1360	1520	6520	2640	1830	1250	1140

Total acre-feet 21350.

WHITE RIVER NEAR CHADRON—Sec. 18-33-49 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.9	2.7	—	—	—	—	16	1450	47	49	23	5
2	1.3	2.7	—	—	—	—	14	615	70	46	31	4
3	1.5	2.7	—	—	—	—	11	325	78	42	116	4
4	1.5	2.8	—	—	—	—	10	250	256	49	23	5
5	2.0	2.8	—	—	—	—	9	190	453	32	19	6
6	1.7	3.6	—	—	—	—	8	167	460	29	15	6
7	1.6	3.4	—	—	—	—	8	1050	226	27	11	6
8	1.5	3.0	—	—	—	—	8	785	144	26	10	5
9	1.8	2.8	—	—	—	—	8	290	115	25	9	5
10	1.6	2.7	—	—	—	—	7	190	100	24	9	3
11	1.4	2.7	—	—	—	—	7	260	92	24	30	4
12	1.4	2.8	—	—	—	—	7	878	82	21	18	6
13	0.9	2.8	—	—	—	—	7	2920	79	22	9	8
14	0.5	3.3	—	—	—	—	7	2080	83	22	8	6
15	1.4	3.3	—	—	—	—	7	589	81	28	8	14
16	1.3	3.4	—	—	—	—	6	348	88	39	7	19
17	1.5	3.8	—	—	—	—	9	531	82	36	8	20
18	4.0	3.8	—	—	—	—	6	570	71	33	8	46
19	3.4	3.6	—	—	—	—	6	282	66	45	9	111
20	3.0	4.6	—	—	—	—	18	210	74	23	16	60
21	2.5	3.4	—	—	—	—	16	190	97	19	9	37
22	1.6	3.2	—	—	—	—	10	133	100	17	4	28
23	0.7	3.0	—	—	—	—	10	119	84	15	3	22
24	0.7	2.8	—	—	—	—	230	118	78	12	3	22
25	0.7	3.0	—	—	—	—	393	116	70	20	4	18
26	4.5	3.2	—	—	—	—	196	111	65	75	6	16
27	4.8	3.4	—	—	—	—	180	98	166	28	5	14
28	5.8	3.6	—	—	—	—	202	88	146	150	5	14
29	3.3	3.7	—	—	—	—	78	83	77	202	5	13
30	3.4	3.7	—	—	—	—	291	84	55	55	5	12
31	3.1	.....	—	—	—	—	—	95	—	30	5	—
Mean	2.1	3.2	—	—	—	—	59	491	123	41	14	18
Max.	5.8	4.6	—	—	—	—	393	2920	460	202	116	111
Min.	0.5	2.7	—	—	—	—	6	83	47	12	3	3
A. F.	130	191	†154	†184	†139	†461	3540	30180	7310	2510	881	1080

Total acre-feet 46760.
†Estimated.

WHITE TAIL CREEK—Sec. 36-15-38 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	27	26	25	27	26	27	29	30	27	29	30
2	24	28	27	24	27	26	27	30	29	27	29	38
3	24	27	27	23	27	26	27	30	29	27	28	36
4	29	27	27	22	27	26	27	30	29	27	28	30
5	28	27	27	22	27	26	26	30	32	27	27	29
6	28	26	27	21	27	26	26	31	32	27	27	29
7	26	26	25	21	27	26	26	29	32	27	27	29
8	26	26	25	21	30	26	26	29	30	27	25	28
9	25	26	25	21	30	26	25	28	30	27	25	27
10	25	26	25	22	30	26	25	31	29	27	25	27
11	25	27	25	22	30	26	25	30	29	27	23	27
12	25	27	25	22	29	26	25	30	30	27	23	27
13	25	27	25	22	29	26	24	34	30	27	25	27
14	25	28	24	23	29	26	24	32	30	28	25	26
15	25	28	24	23	29	28	24	30	29	28	26	26
16	25	28	24	23	29	27	24	31	28	28	27	26
17	25	28	24	23	29	27	24	31	26	28	28	26
18	26	28	25	24	29	27	31	32	26	28	28	26
19	26	27	25	24	29	27	30	32	26	28	28	26
20	26	27	25	24	29	27	30	33	31	28	28	27
21	26	27	25	24	29	26	30	33	31	28	28	27
22	26	27	25	25	29	26	29	33	30	28	28	26
23	26	27	25	25	27	26	32	30	30	28	28	26
24	26	26	25	25	27	26	31	30	30	28	28	26
25	26	26	28	25	27	28	30	29	30	28	28	28
26	29	26	28	26	27	28	30	26	28	28	28	28
27	29	26	28	26	27	28	30	24	28	28	28	27
28	28	26	27	26	27	28	30	24	30	29	28	27
29	28	26	27	26	—	28	30	25	29	29	28	27
30	27	26	27	27	—	28	30	26	28	29	28	26
31	27	—	26	27	—	28	—	27	—	29	28	—
Mean	26	27	26	24	28	27	27	30	29	28	27	28
Max.	29	28	28	27	30	28	32	34	32	29	29	38
Min.	24	26	24	21	27	26	24	24	26	27	23	26
A. F.	1610	1590	1580	1460	1570	1640	1640	1820	1750	1700	1660	1660

Total acre-feet 19680.

WINTERS CREEK—Sec. 30-22-54 W.
Year Ending September 30, 1942

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	65	61	48	45	49	45	44	53	44	39	75	59
2	65	61	48	44	50	45	44	47	39	22	79	61
3	62	61	48	43	50	46	42	45	45	9	60	68
4	61	60	48	43	50	44	41	44	72	8	48	72
5	63	59	47	42	50	44	38	46	48	8	47	85
6	61	59	46	41	49	44	38	45	39	10	36	108
7	58	56	46	39	48	44	38	44	38	7	41	93
8	53	56	46	46	48	44	39	44	37	6	76	86
9	46	56	46	49	48	46	39	46	27	6	81	89
10	46	55	44	48	47	46	39	48	25	7	40	81
11	51	55	44	48	46	47	39	47	38	21	33	87
12	46	55	43	48	46	48	39	48	56	18	41	104
13	44	54	42	48	46	48	40	65	72	19	42	106
14	45	54	42	48	46	47	40	53	87	15	38	104
15	43	54	42	48	46	46	39	50	72	12	36	104
16	51	55	46	48	45	45	39	49	85	11	49	99
17	47	54	44	48	46	44	39	48	47	14	45	92
18	47	52	44	48	50	42	42	48	26	16	42	108
19	63	51	47	48	50	44	45	49	36	32	36	115
20	75	51	50	48	49	44	40	77	42	52	42	100
21	73	52	50	48	49	45	39	65	51	46	43	102
22	73	51	53	48	49	45	38	85	53	54	38	98
23	73	51	52	49	48	45	44	62	62	65	48	97
24	74	51	51	49	47	44	63	61	73	50	40	98
25	76	51	52	49	47	45	50	60	73	56	35	111
26	77	50	52	49	46	43	45	60	89	54	33	125
27	76	49	52	49	46	43	50	60	104	53	36	119
28	78	48	50	49	46	42	45	46	93	59	39	114
29	72	49	49	49	...	43	44	41	58	61	53	114
30	63	49	48	49	...	43	58	53	49	75	56	111
31	63	...	47	49	...	43	...	79	...	77	56	...
Mean	61	54	47	47	48	45	43	54	56	32	47	97
Max.	78	61	53	49	50	48	63	85	104	77	81	129
Min.	43	48	42	39	45	42	38	41	25	6	33	59
A. F.	3750	3210	2910	2890	2650	2750	2540	3310	3330	1950	2900	5780

Total acre-feet 37970.

SUMMARY
NET ANNUAL DIVERSIONS IN ACRE-FEET BY PROJECTS
North Platte and Platte River Basins
Wyoming-Nebraska Line to Odessa, Nebraska

Project	Year Ending September 30, 1941			Year Ending September 30, 1942		
	Acreage Reported	Water Diverted	Acre-ft. Per Acre	Acreage Reported	Water Diverted	Acre-ft. Per Acre
Alfalfa (1)	0	0	0	0	0	0
Alliance (2)	6128	12493	2.04	6126	6730	1.10
Barber	708	559	.79	835	269	.32
Beaucamp	----	*	----	----	*	*
Beerline (1)	2080	1497	.72	2080	1195	.57
Belmont (2)	14158	27229	1.92	13907	21467	1.54
Bird Cage	*	118	----	----	†	----
Birdwood (1)	5548	6823	1.23	5601	4075	.73
Blue Creek (1)	2900	10676	3.67	2918	6000	2.06
Browns Creek (1)	6129	11809	1.93	6054	8330	1.38
Castle Rock (1)	5962	17872	3.00	5987	13950	2.32
Central (1)	2097	5186	2.47	2127	3773	1.77
Chimney Rock (1)	5709	8872	1.54	5713	6574	1.15
Clear Creek	160	112	.70	145	176	1.21
Cody-Dillon (1)	4600	4736	1.01	4660	2847	.61
Court House Rock (1)	1472	5484	3.72	1860	4335	2.32
Cozad (1)	25190	‡26164	1.04	25190	‡14555	.58
Dawson County (1)	98441	‡56877	.58	92363	‡28915	.31
Elm Creek (1)	15893	‡8153	.51	15853	‡5576	.35
Empire (1)	1499	1896	1.26	1550	930	.60
Enterprise (4)	7884	21786	2.76	7426	21642	2.92
Finch	----	0	----	*	*	*
Gatch (1)	65	0	0	----	*	----
Gering (2)	14238	‡40850	2.86	14254	25630	1.80
Gothenburg (2)	17820	37141	2.08	17820	20462	1.15
Graf (1)	2058	5197	2.52	2058	3190	1.55
Halloway-Phelps	----	0	----	----	0	----
Hannah	----	0	----	----	0	----
Harper	58	6	.10	----	†	----
Holcombe (1)	410	330	.81	----	†	----
Hooper (1)	877	3652	4.16	898	2370	2.64
Janssen	----	*	----	----	*	----
Kearney (2)	4600	6000	1.30	4200	6090	1.45
Keith-Lincoln (2)	6119	17535	2.87	6010	12137	2.05
Kent-Burke (1)	----	†	----	----	†	----
Keystone (1)	2784	0	----	----	0	----
Lamore (1)	----	0	----	----	0	----
Last Chance (1)	405	1191	2.94	405	960	2.37
Lisco (1)	3645	5944	1.63	3810	5513	1.45
Logan	178	†	----	----	†	----
Lonergan	545	116	.21	----	0	----
Lyons (1)	2250	2165	.96	2286	1180	.52

SUMMARY—Concluded
NET ANNUAL DIVERSIONS IN ACRE-FEET BY PROJECTS
North Platte and Platte River Basins
Wyoming-Nebraska Line to Odessa, Nebraska

Project	Year Ending September 30, 1941			Year Ending September 30, 1942		
	Acreage Reported	Water Diverted	Acre-ft. Per Acre	Acreage Reported	Water Diverted	Acre-ft. Per Acre
McCarthy	70	264	3.77	70	205	2.93
Meredith-Ammer (1)	981	1773	1.81	981	950	.97
Midland-Overland (1)	1786	2822	1.58	1813	2390	1.32
Minatare (1)	6949	13515	1.95	7585	7335	.97
Mitchell (1)	13542	50560	3.74	13599	32290	2.38
Mutual (1)	455	669	1.47	455	480	1.05
Nine Mile (1)	5878	15281	2.60	5838	9530	1.63
Nissen	----	0	----	----	0	----
North Platte (2)	13905	35999	2.58	14105	25394	1.80
Northport (1)	16123	‡49692	3.08	16109	57975	3.61
North River	----	0	----	----	0	----
Orchard-Alfalfa (1)	5950	13992	2.35	6014	‡6580	1.09
Oshkosh (1)	2279	167	.07	----	0	----
Otter Creek	1272	0	0	----	0	----
Paisley (1)	1079	1204	1.11	1072	1059	.99
Patrick	170	195	1.15	----	0	----
Paxton-Hershey (1)	7458	16425	2.20	7458	8825	1.18
Phelps County (1)	----	----	----	----	----	----
Radcliffe	----	†	----	----	†	----
Ramshorn (1)	1781	3032	1.81	1652	2053	1.24
Round House Rock	121	84	.69	----	†	----
Rush Creek (1)	569	369	.65	----	0	----
Schermerhorn	----	0	----	----	0	----
Scripter	175	91	.52	----	†	----
Sheridan-Wilson (1)	676	2066	3.06	676	1453	2.15
Short Line (1)	2819	4394	1.55	2696	1895	.70
Signal Bluff (1)	1436	938	.68	----	0	----
Six Mile (1)	1298	‡2037	1.57	1189	‡1135	.88
Smith-Wheeler	85	66	.78	----	†	----
Soehl	200	256	1.28	----	0	----
Spohn	0	0	----	300	351	1.17
Steamboat	----	0	----	----	0	----
Suburban (1)	6723	16398	2.44	7229	10150	1.41
Sutherland (2)	----	----	----	----	370200	----
Thirty-Mile (1)	23089	‡44842	1.94	23089	‡27325	1.18
Tri-State (3)	66275	201617	3.03	66041	‡173730	2.62
Union (1)	1233	3149	2.55	1224	1850	1.51
Winters Creek (2)	5748	18656	3.25	5727	16935	2.96

Note:—Number in parenthesis following project indicates the number of automatic recorders in operation on the project.

*No record.

†Incomplete record.

‡Including storage diversions.

ABSTRACT OF CLOSING ORDERS AND REQUESTS ISSUED DURING THE 1941 WATER YEAR

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
5-14	R. H. Willis*	C. F. Gleason†	.....	Requested 150 sec.-ft. for Northport Irrig. Dist.
5-16	do	do	.....	Requested 650 sec.-ft. for Farmers Irrig. Dist.
5-19	do	do	.....	Requested 600 sec.-ft. for Farmers Irrig. Dist.
5-24	do	do	.....	Requested 490 sec.-ft. for Farmers Irrig. Dist.
5-26	A. W. Hall	do	.....	Requested 230 sec.-ft. for Northport Irrig. Dist.
6- 9	R. H. Willis	do	.....	Requested 500 sec.-ft. for Farmers Irrig. Dist.
6- 9	do	do	.....	Requested 400 sec.-ft. for Farmers Irrig. Dist.
6-10	do	do	.....	Requested 60 sec.-ft. for Northport Irrig. Dist.
6-10	do	do	.....	Cancel request for Farmers Irrig. Dist.
6-20	A. W. Hall	do	.....	Requested 150 sec.-ft. for Mitchell Irrig. Dist.
6-20	do	do	.....	Requested 800 sec.-ft. for Farmers Irrig. Dist.
6-23	do	do	.....	Requested 925 sec.-ft. for Farmers Irrig. Dist.
6-24	do	do	.....	Requested 194 sec.-ft. for Mitchell Irrig. Dist.
6-26	do	do	.....	Requested 200 sec.-ft. for Northport Irrig. Dist.
6-30	R. H. Willis	do	.....	Requested 760 sec.-ft. for Farmers Irrig. Dist.
7- 3	do	do	.....	Requested 100 sec.-ft. for Northport Irrig. Dist.
7-10	A. W. Hall	Frank B. Ludden‡	Sept. 16, 1887	State line area—formal order
7-10	do	L. C. Bishop§ and C. F. Gleason	June 20, 1890	Formal order
7-11	do	C. F. Gleason	.....	Requested 200 sec.-ft. for Northport Irrig. Dist.
7-12	do	L. C. Bishop and C. F. Gleason	.....	Disregard order dated July 10, 1941
7-13	do	Frank B. Ludden	.....	Formal order—opening all canals state line area
7-15	do	C. F. Gleason	.....	Requested 100 sec.-ft. for Northport Irrig. Dist.
7-21	do	Frank B. Ludden	Mar. 14, 1897	Formal order—State line area
7-22	do	L. C. Bishop and C. F. Gleason	do	Formal order
7-25	do	A. H. Hamilton‖	do	Telegram and formal order
7-25	do	Guy Roberts**	do	Formal order
7-25	do	Albert McDermott††	do	do
7-25	do	Frank B. Ludden	do	do
7-27	do	A. H. Hamilton	Sept. 16, 1894	do
7-27	do	Guy Roberts	do	do

ABSTRACT OF CLOSING ORDERS AND REQUESTS ISSUED DURING THE 1941 WATER YEAR—Continued

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
7-27	A. W. Hall	Albert McDermott	Sept. 16, 1894	Formal order
7-27	do	Frank B. Ludden	do	do
7-29	do	Mitchell Irrigation Dist.	———	Telegram—close at once
7-29	do	Frank B. Ludden	Sept. 16, 1887	Formal order
7-29	do	Guy Roberts	Feb. 1, 1894	Formal order—west of Sutherland
7-29	do	Albert McDermott	do	do
7-29	do	Frank B. Ludden	do	do
7-31	do	Guy Roberts	———	Special—open Paxton-Hershey and Keith-Lincoln Canals
8- 1	R. H. Willis	A. H. Hamilton	———	Telegram—open Gothenburg, Cozad, Six Mile Canals
8- 1	do	Albert McDermott	Sept. 16, 1894	Special letter
8- 4	A. W. Hall	A. H. Hamilton	do	do
8- 6	R. H. Willis	Guy Roberts	Feb. 1, 1894	Formal order—west of Sutherland
8- 6	do	Albert McDermott	do	do
8-11	do	A. H. Hamilton	do	Formal order
8-11	do	Guy Roberts	do	do
8-12	do	C. F. Gleason	———	Requested 1300 sec.-ft—by telegram
8-12	do	Frank B. Ludden	———	Telegram—open Mitchell Canal
8-12	do	A. H. Hamilton and Guy Roberts	———	Rescind order dated August 11, 1941
8-16	do	Albert McDermott	———	Letter—open Last Chance Canal
8-17	do	Mitchell Irrigation Dist.	———	Telegram—close canal
8-18	do	do	———	Telegram—divert 100 sec.-ft.
8-18	do	Albert McDermott	Sept. 16, 1894	Formal order
8-20	do	Guy Roberts, Albert McDermott, and Frank B. Ludden	Mar. 14, 1897	do
8-22	do	A. H. Hamilton	do	Formal order—effective Aug. 25, 1941
8-25	A. W. Hall	do	Sept. 15, 1929	Formal order
8-25	do	Guy Roberts, Albert McDermott, and Frank B. Ludden	Mar. 16, 1897	do
8-29	R. H. Willis	A. H. Hamilton	Oct. 26, 1929	do
9- 2	do	Frank B. Ludden	Mar. 14, 1897	do
9- 4	A. W. Hall	L. C. Bishop and C. F. Gleason	June 20, 1890	do
9- 4	do	Frank B. Ludden	do	Formal order—permit Mitchell Canal to divert 60 sec.-ft.
9- 6	do	do	Sept. 16, 1887	Formal order
9- 9	R. H. Willis	A. H. Hamilton	June 18, 1941	Formal order—east of Mitchell

ABSTRACT OF CLOSING ORDERS AND REQUESTS ISSUED DURING THE 1941 WATER YEAR—Concluded

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
9- 9	R. H. Willis	Guy Roberts, Albert McDermott, and Frank B. Ludden	June 18, 1941	Formal order—east of Mitchell
9-14	do	Mitchell Irrrig. Dist.	.....	Telegram—divert 75 sec. ft.
9-19	A. W. Hall	do	.....	Telegram—divert 130 sec.-ft.
9-25	R. H. Willis	Frank B. Ludden	June 18, 1941	Formal order

*State official signing closing order.
†C. F. Gleason, Superintendent of Power, United States Bureau of Reclamation.
‡Frank B. Ludden, Water Commissioner, Wyoming-Nebraska State Line to Bridgeport.
§L. C. Bishop, Wyoming State Engineer.
‖A. H. Hamilton, Water Commissioner, Brady to Kearney.
**Guy Roberts, Water Commissioner, Lewellen to North Platte.
††Albert McDermott, Water Commissioner, Bridgeport to Lewellen.

ABSTRACT OF CLOSING ORDERS AND REQUESTS ISSUED DURING THE 1942 WATER YEAR

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
7-10	R. H. Willis	L. C. Bishop and C. F. Gleason	June 20, 1890	Requested 1086 sec.-ft. for Farmers Irrig. Dist. and Mitchell Irrig. Dist.
7-11	R. H. Willis	Frank B. Ludden	.....	Formal order, restricting canals in State line area
7-21	R. H. Willis	A. H. Hamilton and Guy Roberts	Sept. 23, 1894	Formal order, restricting canals in State line area
7-21	R. H. Willis	T. O. Haisten	1942 delivery schedule	Formal order
7-21	R. H. Willis	Frank B. Ludden	1942 delivery schedule	Formal order
7-25	R. H. Willis	D. E. Olson	Sept. 15, 1932, Middle Loup	Formal order
7-25	R. H. Willis	D. E. Olson	.....	Telegram—Regulate Victoria Creek Canal
7-31	A. W. Hall	A. H. Hamilton and Guy Roberts	Sept. 7, 1926	Formal order, opening canals to 9-7-26
8-19	A. W. Hall	L. C. Bishop and C. F. Gleason	Sept. 16, 1887	Request for Farmers Irrig. Dist.
8-19	A. W. Hall	Frank B. Ludden	Sept. 16, 1887	Formal order, restricting canals in State line area
9- 4	R. H. Willis	T. O. Haisten, A. H. Hamilton, Guy Roberts, Frank B. Ludden	May 30, 1933	Formal order
9-14	A. W. Hall	Frank B. Ludden	Mar. 15, 1897	Formal order, opening canals from State line to Mitchell
9-21	R. H. Willis	A. H. Hamilton, Guy Roberts, T. O. Haisten, Frank B. Ludden	Sept. 21, 1942	Formal order, all canals open in 1-A Basin

DISCHARGE OF CANALS IN SECOND-FEET, 1941

ABERDEEN CANAL

Diverted from Frenchman River

Day	Oct.	Apr.	May	June	July	Sept.
1	*	*	0	*	*	*
2	*	*	*	*	*	*
3	*	*	*	*	*	*
4	0	*	*	*	*	*
5	*	*	*	*	0	0
6	*	*	*	*	*	*
7	*	*	*	*	*	*
8	0	*	*	*	*	*
9	*	*	0	*	*	*
10	*	*	*	*	*	*
11	*	*	*	*	*	0
12	*	*	*	*	*	*
13	*	*	*	0	*	*
14	*	*	*	*	*	*
15	*	*	*	*	*	*
16	*	*	*	*	*	*
17	0	*	*	*	0	*
18	*	*	*	*	*	*
19	*	*	*	*	*	*
20	*	*	*	0	*	*
21	*	*	*	*	*	*
22	*	*	*	*	0	*
23	*	*	*	*	*	*
24	0	0	*	*	*	*
25	*	*	*	*	*	*
26	*	*	*	*	*	*
27	*	*	*	*	*	*
28	*	*	*	*	*	*
29	*	*	0	*	0	*
30	0	*	*	*	*	*
31	*		*		*	
Mean	*	*	*	*	*	*
Max.	*	*	*	*	*	*
Min.	*	*	*	*	*	*
A. F.	*	*	*	*	*	*

*No record.

Acreage	Reported
D-50a	122
D-50b	41
A-1117	110
Total	273

ALFALFA CANAL

Diverted from North Platte River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	0	10	0	0	0	0	0
2	0	10	0	0	0	0	0
3	0	10	0	0	0	0	0
4	0	10	0	0	0	0	0
5	0	10	0	0	0	0	0
6	6	8	0	0	0	0	0
7	6	8	0	0	0	0	0
8	6	8	0	0	0	0	0
9	6	8	0	0	0	0	0
10	6	8	0	0	0	0	0
11	6	0	0	0	0	0	0
12	6	0	0	0	0	0	0
13	6	0	0	0	0	0	0
14	6	0	0	0	0	0	0
15	6	0	0	0	0	0	0
16	10	0	0	0	0	0	0
17	10	0	0	0	0	0	0
18	10	0	0	0	0	0	0
19	10	0	0	0	0	0	0
20	10	0	0	0	0	0	0
21	10	0	0	0	0	0	0
22	10	0	0	0	0	0	0
23	10	0	0	0	0	0	0
24	10	0	0	0	0	0	0
25	10	0	0	0	0	0	0
26	12	0	0	0	0	0	0
27	12	0	0	0	0	0	0
28	12	0	0	0	0	0	0
29	12	0	0	0	0	0	0
30	12	0	0	0	0	0	0
31	12		0		0	0	
Mean	7	3	0	0	0	0	0
Max.	12	10	0	0	0	0	0
Min.	0	0	0	0	0	0	0
A. F.	460	178	0	0	0	0	0

Acreage	Reported
D-738	3058

Area reported 3058 acres.
Water diverted 638 A. F.
Per acre 0.21 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

ALLEN-LARNED CANAL
Diverted from Buffalo Creek

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*
4	*	*	*	*	*	*	2
5	*	*	*	1	*	*	*
6	*	*	*	*	1	*	*
7	*	*	0	*	*	2	*
8	*	*	*	*	*	*	*
9	*	*	*	*	*	*	1
10	*	*	0	*	*	*	*
11	*	*	*	*	*	*	*
12	0	*	*	*	*	*	*
13	*	*	*	*	*	*	*
14	*	*	*	*	*	1	*
15	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*
19	*	*	*	*	1	*	*
20	*	*	*	0	*	*	*
21	*	*	*	*	*	*	*
22	*	*	*	*	*	*	2
23	*	*	*	*	*	2	*
24	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*
28	*	0	*	*	*	*	*
29	*	*	2	*	*	*	*
30	*	*	*	0	*	*	*
31	*		*		*	*	
Mean	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*
A. F.	*	*	*	*	*	*	*

*No record.

Acreage Reported
D-117 No report filed

ALLIANCE CANAL
Diverted from Bayard Sugar Factory Drain

Day	May	June	July	Aug.	Sept.
1	0	31	30	0	0
2	0	31	31	0	0
3	0	29	32	0	0
4	0	31	31	0	0
5	0	36	32	0	0
6	0	36	34	0	0
7	0	35	33	0	0
8	10	39	32	0	22
9	27	36	29	21	16
10	28	38	31	22	15
11	31	37	32	20	22
12	26	45	40	22	0
13	42	42	35	22	0
14	9	38	32	22	0
15	26	37	32	22	6
16	31	37	32	24	0
17	33	35	31	24	0
18	31	34	28	0	0
19	31	13	17	0	6
20	31	19	14	0	6
21	32	18	12	0	9
22	31	18	0	0	9
23	31	19	0	0	11
24	32	26	0	0	4
25	32	33	28	0	4
26	32	37	28	0	5
27	33	34	28	0	4
28	34	34	27	0	4
29	40	34	25	0	4
30	37	30	18	0	4
31	35		16	0	
Mean	23	32	26	6	5
Max.	40	45	40	24	22
Min.	0	13	0	0	0
A. F.	1440	1910	1570	395	288

Water diverted 5603 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

ALLIANCE CANAL
Diverted from Red Willow Creek

Day	Oct.	May	June	July	Aug.	Sept.
1	1	21	12	27	7	45
2	1	11	11	7	21	39
3	1	15	9	0	26	27
4	1	18	9	0	31	38
5	1	14	9	0	32	38
6	1	4	9	10	40	45
7	1	26	23	31	47	45
8	5	21	19	23	47	31
9	9	21	26	11	40	36
10	7	26	1	23	43	37
11	6	26	0	32	43	35
12	6	37	0	7	43	21
13	5	48	6	14	28	20
14	5	48	6	19	26	17
15	4	17	15	20	24	15
16	4	0	0	10	40	19
17	4	10	8	22	24	21
18	4	20	4	13	11	21
19	4	20	10	13	40	21
20	5	19	11	13	40	20
21	2	20	14	14	34	20
22	5	19	14	25	32	14
23	4	21	14	33	16	0
24	2	23	14	30	26	36
25	4	23	26	30	23	0
26	5	24	34	30	38	0
27	10	22	31	30	45	0
28	5	23	22	29	24	0
29	5	27	24	14	35	0
30	5	27	26	19	48	18
31	5	30	...	11	47	...
Mean	4	22	14	18	33	23
Max.	10	48	34	33	48	45
Min.	1	0	0	0	7	0
A. F.	252	1350	807	1110	2025	1346

Water diverted 6890 A. F.

ALLIANCE CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
Bayard Sugar Factory Drain	0	1440	1910	1570	395	288	5603
Red Willow Creek	252	1350	807	1110	2025	1346	6890
Total diverted	252	2790	2717	2680	2420	1634	12493

Area reported 6128 acres.
Net diverted 12493 A. F.
Per acre 2.04 A. F.

Acreage Reported
D-874, -1035 6128

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

ALMERIA CANAL
Diverted from North Loup River

Day	Oct.	June	July	Aug.	Sept.
1	31	0	21	23	23
2	31	20	21	24	22
3	31	0	18	23	22
4	31	24	13	21	22
5	*	0	13	23	22
6	*	0	11	22	21
7	*	0	11	23	22
8	*	20	15	23	23
9	*	0	15	18	23
10	11	0	14	24	22
11	*	25	13	23	21
12	*	20	0	23	22
13	*	10	0	22	21
14	*	9	11	22	22
15	*	8	7	22	21
16	*	8	6	21	21
17	*	18	7	20	21
18	*	18	6	20	21
19	*	17	6	22	21
20	*	21	5	21	21
21	*	22	4	20	20
22	*	17	*	19	20
23	*	20	20	21	23
24	*	20	18	22	7
25	*	18	18	21	0
26	*	18	19	22	0
27	*	16	20	21	0
28	*	11	21	21	0
29	*	16	18	20	0
30	*	18	23	22	0
31	*	--	23	23	--
Mean	*	13	13	22	17
Max.	*	25	23	24	23
Min.	*	0	0	18	0
A. F.	268	781	787	1333	1000

Area reported 3617 acres.
Water diverted 4169 A. F.
Per acre 1.15 A. F.
*No record.

Acreage	Reported
A-2469	1652
A-2868	1910
A-2869	55
Total	3617

ATKINS-POLLY CANAL
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	1	1	0	1
2	0	1	1	1	1
3	0	1	1	1	1
4	0	1	1	1	1
5	0	0	1	1	1
6	0	2	0	1	1
7	0	1	1	1	1
8	0	1	1	1	1
9	0	3	2	1	3
10	0	0	1	1	1
11	0	0	1	1	1
12	0	0	1	1	1
13	0	0	1	1	1
14	0	0	2	1	1
15	0	0	2	1	1
16	0	0	1	1	2
17	0	1	1	1	2
18	0	0	1	1	2
19	0	0	1	1	2
20	0	0	1	1	2
21	0	0	0	1	1
22	0	0	0	1	1
23	0	0	1	1	1
24	0	0	3	1	1
25	1	0	1	1	1
26	1	0	1	1	1
27	1	0	1	1	1
28	1	0	2	1	1
29	1	1	1	2	1
30	1	2	2	1	1
31	2		2	1	
Mean	0.3	0.5	1	1	1
Max.	1	3	3	2	3
Min.	0	0	0	0	1
A. F.	16	30	70	61	72

Area reported 85 acres.
Estimated diversion 249 A. F.
Per acre 2.93 A. F.

Acreage	Reported
D-342	55
D-344	30
Total	85

BARBER CANAL
Diverted from Clear Creek

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	9	2	6	6	4	0	0
2	6	2	6	0	4	0	0
3	5	2	6	0	0	0	0
4	5	2	6	0	0	0	0
5	5	2	6	2	0	0	0
6	4	2	6	0	0	0	0
7	4	2	0	0	0	0	0
8	4	2	5	0	0	0	0
9	4	2	5	0	0	0	0
10	4	2	5	0	0	0	0
11	3	1	5	0	0	0	0
12	3	1	5	0	0	0	0
13	3	1	5	0	0	3	0
14	3	1	5	0	0	3	0
15	3	1	5	0	0	3	0
16	3	1	0	0	0	3	0
17	3	1	3	0	0	0	0
18	3	1	2	0	0	0	0
19	3	1	3	0	0	0	0
20	3	1	3	0	0	0	0
21	0	1	2	0	0	0	0
22	0	1	3	0	0	0	0
23	0	1	0	0	0	0	0
24	0	1	0	0	3	0	0
25	0	1	6	0	0	0	0
26	0	2	6	0	0	0	0
27	0	2	0	4	0	0	0
28	0	4	0	4	0	0	0
29	0	6	0	5	0	0	0
30	0	6	0	5	0	0	0
31	0	--	0	--	0	0	--
Mean	3	2	3	0.9	0.4	0.4	0
Max.	9	6	6	6	4	3	0
Min.	0	1	0	0	0	0	0
A. F.	159	109	194	51	22	24	0

Acreage	Reported
D-754	628
A-1111	80
Total	708

Area reported 708 acres.
Water diverted 559 A. F.
Per acre 0.79 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

BEERLINE CANAL
Diverted from North Platte River and Pathfinder Reservoir

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	5	6	0	2	2	0	2
2	5	6	0	4	2	0	2
3	5	5	0	3	8	4	2
4	5	5	0	3	5	4	1
5	5	5	0	4	4	6	1
6	5	5	0	4	5	6	1
7	5	4	13	5	4	6	1
8	5	4	14	6	3	9	1
9	5	3	15	13	2	7	1
10	5	0	15	7	2	4	1
11	5	0	7	10	1	4	1
12	4	0	3	3	8	6	2
13	4	0	4	2	8	3	2
14	4	0	5	2	11	3	2
15	4	0	5	0	12	2	2
16	5	0	8	0	7	0	2
17	5	0	5	0	2	0	2
18	6	0	4	0	2	2	2
19	6	0	4	0	2	2	1
20	6	0	5	0	1	0	0
21	7	0	2	0	1	3	1
22	7	0	2	0	1	7	1
23	8	0	2	0	0	8	2
24	8	0	6	0	0	10	2
25	8	0	6	0	1	8	2
26	7	0	6	0	4	5	2
27	7	0	6	0	13	2	2
28	7	0	5	2	13	2	3
29	7	0	5	2	2	2	4
30	7	0	4	3	0	2	5
31	7	—	3	—	0	2	—
Mean	6	2	5	2	4	4	2
Max.	8	6	15	13	13	10	5
Min.	4	0	0	0	0	0	0
A. F.	355	97	305	149	250	236	105

Acreage	Reported
D-887	2080

Area reported 2080 acres.
Water diverted 1497 A. F.
Per acre 0.72 A. F.
No storage water diverted.

BELMONT CANAL
Diverted from North Platte River

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	69	0	32	111	124	122	56
2	71	0	29	111	103	113	93
3	73	0	45	116	106	111	95
4	80	0	45	116	85	116	98
5	85	0	65	144	85	113	98
6	78	0	68	150	93	116	100
7	55	0	70	138	100	116	116
8	42	0	56	127	75	113	98
9	43	0	56	61	106	113	98
10	48	0	45	61	113	116	100
11	47	0	47	25	119	124	103
12	0	0	52	0	88	122	103
13	0	0	54	61	68	119	98
14	0	0	38	52	85	119	88
15	0	0	54	54	90	119	98
16	0	0	65	54	93	119	93
17	0	0	47	50	90	0	100
18	0	0	78	50	88	116	98
19	0	0	98	61	85	119	111
20	0	0	90	58	98	122	116
21	0	0	82	93	108	133	103
22	0	0	85	106	130	119	90
23	0	29	90	103	141	36	111
24	0	34	90	116	136	39	85
25	0	45	56	124	124	17	78
26	0	39	61	144	116	10	70
27	0	39	65	95	133	6	73
28	0	38	68	116	136	15	95
29	0	38	80	116	141	15	93
30	0	27	111	124	119	9	14
31	0	—	113	—	122	13	—
Mean	22	10	66	91	106	85	92
Max.	85	45	113	150	141	133	116
Min.	0	0	29	0	68	0	14
A. F.	1370	575	4042	5428	6546	5236	5508

Water diverted 28705 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

BELMONT FEEDER
Diverted from Cedar Creek

Day	Oct.	May	June	July	Aug.	Sept.
1	6	0	6	7	6	0
2	6	0	6	4	6	0
3	6	0	6	3	6	0
4	6	0	6	3	6	0
5	6	0	6	3	6	5
6	6	0	6	2	6	8
7	6	0	6	2	6	9
8	6	0	6	5	6	9
9	6	0	7	7	6	9
10	6	0	2	6	6	9
11	6	0	0	6	7	9
12	6	0	0	1	7	9
13	2	0	0	1	7	9
14	0	0	0	6	7	9
15	0	0	0	6	7	9
16	0	0	0	6	7	9
17	0	0	0	6	7	9
18	0	0	2	6	8	9
19	0	0	6	6	7	9
20	0	0	6	6	7	9
21	0	0	6	6	7	3
22	0	9	6	6	8	10
23	0	9	6	6	1	1
24	0	8	6	6	0	0
25	0	7	7	6	0	0
26	0	6	7	6	0	0
27	0	6	6	6	0	7
28	0	6	6	6	0	6
29	0	6	9	6	0	3
30	0	6	8	6	0	0
31	0	6		6	0	
Mean	2	2	5	5	5	6
Max.	6	9	9	7	8	10
Min.	0	0	0	1	0	0
A. F.	147	137	274	314	320	395

Water diverted 1587 A. F.

BELMONT CANAL SPILL
To Pumpkinseed Creek—
Sec. 23-19-50 W.

Day	May	June	July	Aug.	Sept.
1	0	0	4	0	3
2	0	0	4	0	4
3	11	0	3	0	3
4	15	0	20	0	4
5	16	2	0	0	0
6	35	3	0	0	0
7	20	2	0	0	0
8	18	2	0	0	0
9	23	0	3	0	0
10	34	6	3	0	0
11	10	8	4	0	0
12	8	6	20	0	4
13	0	5	24	0	8
14	0	6	0	0	3
15	0	5	16	0	6
16	32	7	18	0	0
17	0	0	0	0	0
18	0	0	7	0	0
19	32	0	6	0	0
20	34	0	0	0	0
21	0	0	0	0	0
22	3	0	0	0	0
23	2	0	0	9	0
24	2	0	0	2	3
25	3	3	0	0	4
26	2	2	0	0	5
27	3	3	0	0	6
28	0	3	0	0	6
29	0	2	0	3	7
30	0	3	0	6	1
31	0		0	4	
Mean	10	2	4	1	2
Max.	35	8	24	9	8
Min.	0	0	0	0	0
A. F.	601	135	262	48	133

Total acre-feet 1179.

BELMONT CANAL
SUMMARY IN ACRE-FEET

	Oct.	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:—								
North Platte River	1370	575	4042	5428	6546	5236	5508	28705
Cedar Creek	147	0	137	274	314	320	395	1587
Total diverted	1517	575	4179	5702	6860	5556	5903	30292
Spill into Pumpkinsced Creek	0		601	135	262	48	133	1179
Delivered to Empire Canal	105		452	296	127	468	436	1884
Net to Belmont	1412	575	3126	5271	6471	5040	5334	27229

Area reported 14158 acres.
Net diverted 27229 A. F.
Per acre 1.92 A. F.

Acreage Reported
D-828 (O. D. A-1397) 14158

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

BICKEL CANAL
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	1
2	0	0	0	0	1
3	0	0	0	0	1
4	0	0	0	0	1
5	0	0	0	0	1
6	0	0	1	0	1
7	0	0	1	1	1
8	0	0	1	1	1
9	0	0	0	1	1
10	0	0	0	1	1
11	0	0	0	1	1
12	0	0	0	1	1
13	0	0	0	1	1
14	0	0	0	1	1
15	0	0	0	1	1
16	0	0	1	1	1
17	0	0	1	1	1
18	0	0	1	1	1
19	0	0	1	1	1
20	0	0	2	1	2
21	0	0	0	1	2
22	0	0	0	1	2
23	0	0	0	1	2
24	0	0	1	1	3
25	0	0	1	1	3
26	0	0	1	1	3
27	0	0	1	1	3
28	0	0	1	1	3
29	0	0	1	1	3
30	0	0	1	1	2
31	0	..	1	1	..
Mean	0	0	0.5	1	2
Max.	0	0	2	1	3
Min.	0	0	0	0	1
A. F.	0	0	34	50	103

Area reported 120 acres.
Water diverted 187 A. F.
Per acre 1.56 A. F.

Acreage	Reported
D-347	55
A-719	65
Total	120

BIRD CAGE-QUINN CANAL
Diverted from Pumpkinseed Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	2	0	0	0
4	0	2	0	0	1
5	0	1	0	0	1
6	0	1	0	0	1
7	0	0	2	0	1
8	0	0	2	0	1
9	0	0	1	0	1
10	0	0	1	0	1
11	0	0	1	0	1
12	2	0	1	1	1
13	2	0	1	1	1
14	2	0	0	1	1
15	1	0	0	1	1
16	1	0	0	1	1
17	1	3	0	0	1
18	1	0	0	0	1
19	1	0	0	0	1
20	1	0	0	0	1
21	0	0	0	0	1
22	0	0	1	0	0
23	0	0	1	0	0
24	0	0	1	0	0
25	0	0	1	0	0
26	0	0	1	0	0
27	0	0	1	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	..	0	0	..
Mean	0.4	0.3	0.5	0.2	0.6
Max.	2	3	2	1	1
Min.	0	0	0	0	0
A. F.	24	18	30	10	36

Water diverted 118 A. F.

No acreage report filed.

BIRDWOOD CANAL
Diverted from Birdwood Creek

Day	Oct.	Nov.	June	July	Aug.	Sept.
1	26	7	0	30	10	28
2	40	6	12	0	23	34
3	27	6	19	26	24	25
4	30	9	19	14	24	29
5	25	8	23	11	25	34
6	32	11	29	0	26	33
7	36	13	13	0	26	23
8	30	14	16	0	34	12
9	20	13	18	0	24	2
10	22	12	25	0	26	2
11	24	0	23	0	26	0
12	24	0	23	0	26	0
13	30	0	24	20	34	10
14	32	0	26	2	37	12
15	36	0	29	22	40	12
16	36	0	31	23	31	14
17	36	0	31	24	26	14
18	27	0	32	26	41	16
19	25	0	32	25	41	22
20	25	0	33	25	15	23
21	27	0	36	17	15	34
22	10	0	39	11	22	0
23	28	0	39	18	25	2
24	38	0	39	22	30	2
25	12	0	39	23	29	2
26	15	0	21	24	33	2
27	10	0	34	29	42	3
28	10	0	34	18	46	7
29	10	0	36	8	46	3
30	10	0	32	10	41	24
31	10	..	..	10	16	..
Mean	25	3	27	14	30	14
Max.	40	14	39	30	46	38
Min.	10	0	0	0	10	0
A. F.	1513	196	1601	869	1793	851

Acreage	Reported
D-646	5548

Area reported 5548 acres.
Water diverted 6823 A. F.
Per acre 1.23 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

BLUE CREEK CANAL

Diverted from Blue Creek and Crescent Lake—A-1575

Day	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	6	30	0	19	39	37	33	36
2	22	33	0	28	0	39	32	37
3	34	37	0	27	8	38	30	38
4	41	38	0	26	24	32	29	35
5	36	38	0	21	25	31	29	25
6	57	39	0	13	2	27	30	25
7	43	40	0	30	0	29	31	31
8	41	41	0	31	0	36	33	38
9	41	40	0	31	0	24	33	38
10	40	22	0	30	0	24	32	38
11	40	0	0	29	0	16	12	37
12	37	0	0	28	0	0	2	37
13	35	0	0	32	0	0	12	37
14	35	0	0	37	0	0	31	37
15	34	0	0	31	0	6	34	38
16	38	0	0	16	0	4	33	39
17	38	0	0	0	0	4	34	22
18	38	0	0	0	18	4	35	0
19	39	0	0	0	14	6	33	0
20	40	0	0	24	22	10	31	14
21	40	0	0	24	26	28	32	35
22	40	0	0	37	26	42	32	41
23	41	0	0	38	36	41	32	34
24	42	0	0	31	40	34	31	23
25	44	0	0	22	40	32	28	17
26	33	0	0	34	40	33	30	24
27	29	0	0	41	38	38	31	29
28	30	0	7	34	35	35	30	27
29	31	0	19	32	33	29	30	25
30	31	0	18	38	35	30	29	28
31	32	..	....	39	....	30	31	....
Mean	36	12	1	26	17	24	29	29
Max.	57	41	19	41	40	42	35	41
Min.	6	0	0	0	0	0	2	0
A. F.	2237	710	87	1632	994	1466	1795	1755

Area reported 2900 acres.
Water diverted 10676 A. F.
Per acre 3.67 A.F.
No diversion from Crescent Lake.

Acreage	Reported
D- 785	2531
D- 795	339
A-1154	30
Total	2900

BOELUS POWER CANAL—A-1373

Diverted from Middle Loup River

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	598	632	0	85	402	0	659	600	335	579	426	460
2	648	632	0	47	419	0	655	591	567	721	412	525
3	640	363	0	0	260	0	626	598	0	684	208	704
4	627	673	97	0	0	0	642	337	339	626	323	675
5	598	658	41	0	0	0	626	555	594	611	316	692
6	181	643	307	0	0	0	356	598	594	346	313	684
7	458	632	573	0	48	0	674	598	587	557	300	347
8	610	627	570	0	0	82	665	598	15	479	297	657
9	604	599	552	0	0	0	647	581	209	484	317	704
10	598	296	552	55	0	95	637	607	674	459	313	735
11	610	0	556	108	0	93	642	332	645	440	310	655
12	604	0	31	93	0	0	664	562	682	481	183	578
13	32	0	0	0	0	0	242	581	655	337	314	595
14	0	0	0	0	0	0	0	587	647	663	310	319
15	132	0	0	90	0	111	361	587	294	653	310	684
16	593	0	0	0	97	0	665	581	548	644	316	750
17	579	111	0	0	93	99	665	587	548	584	150	732
18	593	121	0	0	0	299	644	327	553	527	334	703
19	593	55	0	0	0	611	395	592	543	462	391	634
20	341	171	0	0	0	574	0	255	507	132	530	543
21	588	108	148	0	0	553	374	329	499	426	540	341
22	578	206	141	0	0	553	617	553	176	429	539	784
23	569	227	180	0	0	258	617	553	447	402	492	750
24	579	271	210	0	0	676	610	544	703	385	285	721
25	176	0	338	0	0	665	617	301	594	329	485	703
26	638	0	331	0	0	665	614	587	657	287	530	706
27	621	0	158	0	0	649	185	587	631	169	419	818
28	621	112	89	0	0	637	622	584	549	320	432	399
29	632	413	76	103	..	649	642	592	278	341	501	735
30	626	495	0	338	..	642	622	592	526	426	468	735
31	626	....	0	370	..	657	....	585	....	409	130	....
Mean	513	268	160	42	47	276	533	531	487	464	361	636
Max.	648	673	573	370	419	676	674	607	703	721	540	818
Min.	0	0	0	0	0	0	0	301	0	132	130	319
A. F.	31520	15960	9820	2560	2620	16990	31710	32650	28950	28550	22200	37820

Water diverted 261400 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

BROWNS CREEK CANAL
Diverted from North Platte River and Pathfinder Reservoir

Day	Oct.	May	June	July	Aug.	Sept.
1	44	0	39	69	84	32
2	44	0	15	65	69	32
3	43	0	9	46	63	31
4	43	0	43	26	50	30
5	41	0	47	26	33	30
6	40	0	43	26	29	30
7	41	0	46	37	36	29
8	41	0	56	59	38	37
9	41	0	29	68	34	45
10	40	0	0	64	33	45
11	40	0	0	53	32	45
12	40	0	0	35	36	44
13	38	0	0	48	49	44
14	37	0	28	56	45	43
15	15	0	51	46	56	43
16	0	0	54	38	76	41
17	0	0	57	31	85	39
18	0	0	54	27	74	38
19	0	0	52	26	70	39
20	0	0	52	27	68	41
21	0	0	47	36	68	45
22	0	0	44	42	71	48
23	0	0	38	49	57	52
24	0	0	30	55	52	47
25	0	0	36	44	50	26
26	0	0	72	45	44	39
27	0	0	51	47	38	39
28	0	0	55	43	37	39
29	0	0	69	41	36	40
30	0	0	69	47	35	40
31	0	35	—	69	33	—
Mean	19	1	39	45	51	39
Max.	44	35	72	69	85	52
Min.	0	0	0	26	29	26
A. F.	1166	69	2352	2759	3136	2327

Acreage	Reported
D-857,-1033	6129

Area reported 6129 acres.
Water diverted 11809 A. F.
Per acre 1.93 A. F.
No storage water diverted.

CASTLE ROCK CANAL
Diverted from North Platte River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	25	18	0	76	70	88	68
2	24	21	0	74	72	80	65
3	23	21	0	75	82	79	75
4	23	22	0	75	81	73	83
5	26	22	0	76	82	75	91
6	35	22	0	74	79	84	89
7	38	23	0	78	78	87	91
8	36	9	0	74	76	89	91
9	34	0	0	48	82	89	89
10	32	0	0	0	82	95	85
11	29	0	37	0	79	93	78
12	26	0	38	0	76	88	76
13	23	0	32	0	62	92	68
14	20	0	37	0	42	92	61
15	19	0	65	0	36	94	59
16	20	0	64	0	42	94	58
17	20	0	70	0	49	90	57
18	18	0	75	0	54	54	61
19	18	0	76	0	55	57	60
20	17	0	73	0	60	56	62
21	16	0	70	0	71	55	61
22	16	0	75	5	74	56	55
23	16	0	80	4	77	59	45
24	16	0	78	4	76	57	43
25	17	0	76	54	82	56	44
26	17	0	80	57	94	65	46
27	15	0	82	52	96	63	46
28	15	0	82	56	87	64	30
29	14	0	79	48	83	65	31
30	14	0	78	71	86	73	29
31	14	—	78	—	88	76	—
Mean	22	5	46	33	73	55	63
Max.	38	23	82	78	96	95	91
Min.	14	0	0	0	36	54	29
A. F.	1340	313	2826	1985	4469	4637	3763

Water diverted 19333 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

CASTLE ROCK CANAL SPILL
To North Platte River—
Sec. 34-21-53 W.

Day	May	June	July	Aug.	Sept.
1	0	25	40	0	1
2	0	45	40	1	1
3	0	41	3	0	1
4	0	37	0	1	0
5	0	16	0	0	0
6	0	45	0	0	1
7	0	27	3	0	1
8	0	33	0	0	0
9	0	11	7	0	45
10	0	2	0	0	0
11	0	0	0	0	0
12	0	0	5	0	1
13	0	0	6	0	2
14	0	0	3	0	2
15	13	0	2	0	2
16	0	0	2	0	1
17	0	0	1	0	0
18	0	0	0	14	0
19	0	0	0	0	0
20	13	0	0	0	1
21	12	0	1	0	1
22	0	0	0	0	1
23	18	0	0	1	5
24	16	0	0	1	5
25	0	0	0	1	5
26	0	0	0	0	5
27	1	45	0	3	5
28	1	2	0	2	1
29	20	0	0	1	1
30	22	40	0	1	1
31	22	—	0	1	—
Mean	4	12	4	1	3
Max.	22	45	40	14	45
Min.	0	0	0	0	0
A. F.	274	732	224	54	177

Total acre-feet 1461.

CENTRAL CANAL
Diverted from North Platte River and Pathfinder Reservoir

Day	Mar.	May	June	July	Aug.	Sept.
1	0	0	37	0	26	21
2	0	0	35	0	25	22
3	0	0	39	0	24	24
4	0	0	39	0	22	27
5	0	0	39	0	22	28
6	0	0	38	0	26	29
7	0	0	38	6	27	28
8	0	0	26	24	26	20
9	0	0	16	24	27	17
10	0	0	0	24	31	17
11	0	0	0	22	28	6
12	0	0	0	27	27	0
13	0	0	0	26	28	0
14	0	0	0	24	30	0
15	0	9	3	24	30	6
16	0	10	10	24	29	16
17	0	10	9	22	29	15
18	0	10	7	21	29	16
19	0	10	0	21	30	15
20	0	13	0	20	29	16
21	0	12	0	23	29	16
22	0	12	2	26	29	16
23	0	16	11	26	29	17
24	11	15	6	27	28	14
25	11	20	0	28	24	14
26	11	35	0	29	24	14
27	11	35	0	30	25	10
28	11	34	0	29	25	10
29	12	35	0	29	23	10
30	12	36	0	29	22	3
31	11	35	..	27	22	...
Mean	3	11	11	20	27	15
Max.	12	36	39	30	30	29
Min.	0	0	0	0	22	0
A. F.	178	688	704	1214	1636	887

Water diverted 5307 A. F.

CASTLE ROCK CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	1340	313	2826	1985	4469	4637	3763	19333
Spill into North Platte River:—								
No. 1 Spill	0	0	274	732	224	54	177	1461
No. 2 Spill	0	0	0	0	0	0	0	0
Total spill	0	0	274	732	224	54	177	1461
Net diverted	1340	313	2552	1253	4245	4583	3586	17872

Area reported 5962 acres.
Net diverted 17872 A.F.
Per acre 3.00 A. F.

Acreage	Reported
D-921	5962

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

CENTRAL CANAL SPILL NO. 1
To North Platte River—
Sec. 4-21-54 W.

Day	May	June	July	Aug.	Sept.
1	0	7	0	0	0
2	0	3	0	0	0
3	0	1	0	0	0
4	0	4	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	3	0	0	0
9	0	3	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	2	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	8	0	0	0	0
27	5	0	0	0	0
28	6	0	0	0	0
29	0	0	0	0	0
30	7	0	0	0	0
31	12		0	0	
Mean	1	1	0	0	0
Max.	12	7	0	0	0
Min.	0	0	0	0	0
A. F.	79	42	0	0	0

Total acre-feet 121.

CHAMPION CANAL
Diverted from Frenchman River

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	*	20	*
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	0	*
10	*	*	*	*	*
11	*	*	*	*	6
12	*	6	*	*	*
13	*	6	*	*	*
14	*	*	*	*	*
15	*	*	*	0	*
16	*	*	*	*	8
17	*	*	*	*	*
18	*	*	*	*	*
19	*	*	*	*	*
20	10	14	*	*	*
21	*	*	*	0	*
22	*	*	*	*	3
23	*	*	*	*	*
24	*	*	*	0	*
25	*	*	*	*	*
26	*	14	*	*	*
27	*	*	*	*	*
28	*	*	*	*	*
29	19	*	*	*	*
30	*	*	*	*	*
31	*		*	*	
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	*	*	*	*	*

Water diverted—incomplete record.
*No record.

Acreage
D-47
A-1108
A-1160
Supplemental Reservoir

Reported
1207
Storage
Kilpatrick

CENTRAL CANAL
SUMMARY IN ACRE-FEET

	Mar.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	178	688	704	1214	1636	887	5307
Spill into Spillway No. 1	*	79	42	0	0	0	121
Net diverted	178	609	662	1214	1636	887	5186

Area reported 2097 acres.
Net diverted 5186 A. F.
Per acre 2.47 A. F.
No storage water diverted.
*No record.

Acreage
D-926

Reported
2097

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

CHIMNEY ROCK CANAL
Diverted from North Platte River and Pathfinder Reservoir

Day	Oct.	May	June	July	Aug.	Sept.
1	27	23	61	68	41	26
2	9	26	67	70	0	32
3	0	0	53	68	10	41
4	0	22	69	54	35	48
5	0	22	68	46	34	58
6	0	26	53	41	36	70
7	0	26	48	41	39	85
8	0	31	17	41	53	48
9	0	31	10	41	46	43
10	0	34	0	42	50	51
11	0	43	0	46	76	43
12	12	42	0	44	77	36
13	15	33	0	32	71	36
14	12	24	0	29	69	32
15	12	16	0	25	63	30
16	13	27	0	24	44	21
17	13	22	0	32	12	37
18	10	33	0	34	0	33
19	10	38	44	33	7	34
20	0	46	52	42	14	34
21	0	53	44	50	17	43
22	0	48	44	58	17	23
23	0	52	41	63	16	26
24	0	50	38	55	14	20
25	0	51	47	49	17	25
26	0	63	51	53	17	23
27	0	64	54	58	17	20
28	0	52	52	70	34	20
29	0	67	67	78	43	20
30	0	65	68	73	41	16
31	0	66	...	76	16	...
Mean	4	37	35	50	33	36
Max.	27	66	69	78	77	85
Min.	0	0	0	24	0	16
A. F.	264	2408	2079	3047	2035	2130

Water diverted 11963 A. F.

CHIMNEY ROCK CANAL
SPILL NO. 1
To North Platte River—Sec. 14-20-52 W.

Day	May	June	July	Aug.	Sept.
1	10	2	8	4	1
2	22	3	8	0	0
3	25	1	15	0	1
4	20	2	15	3	2
5	18	1	13	5	2
6	16	1	5	6	2
7	4	2	4	3	7
8	6	0	10	0	4
9	5	1	7	0	2
10	6	0	5	0	2
11	10	0	4	0	4
12	18	0	3	3	2
13	12	0	5	3	2
14	4	0	15	0	8
15	1	0	9	0	10
16	0	0	14	8	12
17	8	0	18	8	7
18	6	0	15	0	2
19	15	0	12	1	4
20	10	22	10	3	4
21	10	6	7	0	4
22	5	16	7	2	10
23	2	4	4	1	6
24	2	4	4	1	7
25	1	6	0	1	8
26	2	6	2	1	11
27	3	8	0	0	10
28	2	8	1	4	9
29	1	9	5	0	10
30	2	3	6	4	9
31	1	...	9	3	...
Mean	8	4	8	2	5
Max.	25	22	18	6	12
Min.	0	0	0	0	0
A. F.	490	208	476	127	321

Total acre-feet 1622.

CHIMNEY ROCK CANAL
SPILL NO. 2
To North Platte River—Sec. 18-20-51 W.

Day	May	June	July	Aug.	Sept.
1	0	10	5	6	0
2	0	13	1	3	0
3	0	14	12	0	0
4	0	6	17	0	0
5	0	11	13	6	0
6	0	15	6	6	0
7	0	11	5	2	2
8	0	13	6	0	2
9	0	14	5	5	9
10	0	16	4	0	8
11	0	0	6	0	8
12	0	0	6	0	7
13	7	0	4	0	10
14	1	0	13	0	9
15	0	0	6	0	9
16	0	0	5	0	9
17	0	0	4	0	8
18	0	0	6	0	12
19	0	0	6	0	7
20	0	18	1	0	7
21	10	0	1	0	7
22	10	10	0	0	8
23	12	10	0	0	9
24	10	3	0	0	14
25	16	4	0	0	15
26	16	1	0	0	14
27	16	1	0	0	14
28	16	1	0	2	15
29	14	9	0	0	13
30	15	11	3	0	14
31	10	...	3	0	...
Mean	5	6	4	1	8
Max.	16	18	17	6	15
Min.	0	0	0	0	0
A. F.	304	379	270	60	456

Total acre-feet 1469.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

CHIMNEY ROCK CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	264	2408	2079	3047	2035	2130	11963
Spill into:—							
Spillway No. 1	*	490	208	476	127	321	1622
Spillway No. 2	*	304	379	270	60	456	1449
Total spill	*	794	587	746	187	777	3071
Net diverted	264	1614	1492	2301	1848	1353	8872

Area reported 5709 acres.
Net diverted 8872 A. F.
Per acre 1.54 A. F.
No storage water diverted.
*No record.

Acreage Reported	
D-844,-1031	5662
A-2190	47
Total	5709

CIRCLE ARROW CANAL
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	3	4	8	3	2
2	3	4	7	3	2
3	2	4	8	3	2
4	2	4	8	3	2
5	2	4	7	3	1
6	3	5	7	2	2
7	3	*	8	2	2
8	2	*	7	2	2
9	2	*	6	2	2
10	2	*	0	2	2
11	2	*	0	2	2
12	2	4	0	2	2
13	2	3	0	2	2
14	2	*	0	2	2
15	2	*	0	2	2
16	2	2	0	2	2
17	2	2	0	2	2
18	2	13	0	2	2
19	2	12	0	2	2
20	2	12	0	2	2
21	2	*	0	2	2
22	2	13	0	2	2
23	*	13	0	2	2
24	*	12	0	2	2
25	2	12	0	2	2
26	2	12	2	2	2
27	2	9	3	2	2
28	2	*	3	2	2
29	*	8	3	2	2
30	3	7	3	2	2
31	4		3	2	
Mean	*	*	3	2	2
Max.	*	*	8	3	2
Min.	*	*	0	2	2
A. F.	125	315	165	133	119

Area reported 260 acres.
Water diverted—incomplete record—857 A. F.
Per acre 3.30 A. F.
*No record.

Acreage Reported	
D-346	260

CLEAR CREEK CANAL
Diverted from Clear Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	3	0
4	0	0	0	0	0
5	0	0	0	3	0
6	0	0	0	7	0
7	0	0	0	3	0
8	0	0	0	3	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	4	0
14	0	0	0	4	0
15	0	0	0	4	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	8	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	3	3	0	0
26	0	4	3	0	0
27	0	0	3	0	0
28	0	2	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0		0	0	
Mean	0	0.3	0.3	1	0
Max.	0	4	3	8	0
Min.	0	0	0	0	0
A. F.	0	18	18	76	0

Area reported 160 acres.
Water diverted 112 A. F.
Per acre 0.70 A. F.

Acreage Reported	
D-748	160

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

CODY-DILLON CANAL
Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	15	0	22	16	12	7
2	13	0	21	16	9	10
3	11	0	18	18	14	10
4	11	0	12	17	14	9
5	11	0	20	16	14	7
6	10	0	28	15	14	6
7	10	0	25	14	24	7
8	10	0	24	14	43	10
9	10	0	20	14	40	9
10	9	0	20	14	32	12
11	8	0	15	14	32	10
12	9	0	16	16	35	7
13	10	0	16	0	27	11
14	10	0	16	0	28	12
15	10	0	16	0	28	4
16	10	0	14	0	35	8
17	10	0	13	0	32	11
18	10	0	14	0	28	13
19	10	0	8	0	28	14
20	10	0	8	0	32	14
21	10	0	14	0	31	16
22	8	0	29	11	30	16
23	10	0	36	12	30	14
24	10	30	24	22	26	10
25	10	28	28	22	29	5
26	10	0	40	25	30	4
27	0	21	41	32	22	3
28	0	18	26	3	12	2
29	0	16	14	0	8	2
30	0	28	16	12	6	4
31	0	24	...	0	8	...
Mean	9	5	20	10	24	9
Max.	15	30	41	32	43	16
Min.	0	0	8	0	6	2
A. F.	526	327	1218	641	1494	530

Acreage	Reported
D-649	4660

Area reported 4660 acres.
Water diverted 4736 A. F.
Per acre 1.01 A. F.

COLUMBUS POWER DIVERSION—A-2287
Weir Measurements—Sec. 28-17-4 W.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1080	1770	1180	1850	1760	1670	1720	1670	1960	1220	1390	812
2	1220	1870	1140	1210	1910	1750	1780	1470	2540	1190	1030	1020
3	1270	1950	308	1200	1980	1910	2240	1290	2980	1530	836	1740
4	1450	1840	636	756	2160	1800	2390	1300	2680	1460	716	2430
5	1410	1910	1570	945	2160	1710	2430	2070	2370	1470	644	1980
6	1370	1960	2220	884	2090	1570	2270	2180	2200	1410	493	2310
7	1940	1860	2080	852	1700	1580	2230	2240	2100	1310	451	2330
8	2090	1750	2030	918	1650	1510	2410	1750	2020	1330	416	2640
9	1750	1740	1940	1030	1610	1460	2450	1580	1950	1190	444	1950
10	1620	1940	1890	1190	1800	1700	2290	1830	2780	1080	423	1380
11	1460	676	1900	1380	1900	1710	1980	1780	3070	1040	458	1330
12	1410	500	1140	1560	1990	1830	1920	1680	2410	1050	423	1300
13	1320	314	154	1640	1730	1750	2090	1640	2170	1010	444	1210
14	1300	465	195	1630	1810	1740	2430	1630	1910	396	472	1170
15	1350	540	124	1730	1880	1770	2480	1630	1690	49	493	1390
16	1430	772	120	1740	2010	1830	2630	1690	1490	526	486	1610
17	1380	900	190	1410	1740	876	2220	1980	1470	568	493	2170
18	1300	990	273	1050	1910	820	2260	2530	1650	561	444	1850
19	1320	1010	458	1030	1660	1220	2780	2210	1690	446	532	1420
20	1340	781	823	1030	1210	1600	2920	2360	1390	464	596	1350
21	1360	1370	1320	1180	972	2090	2920	2740	1240	458	732	1260
22	1330	1820	1610	1150	954	2150	2950	2680	2310	484	927	1180
23	1320	1900	1650	1110	1020	2200	2910	2390	2580	491	1060	1280
24	1400	1930	1700	1280	1040	2230	2630	1990	2370	428	1010	2140
25	1410	1990	1570	1360	1200	2120	2380	1630	1910	464	927	2600
26	1510	1880	1760	1350	1410	2050	2160	1390	1650	687	936	2670
27	1310	1540	1710	1180	1630	2050	2130	1350	1630	631	884	2350
28	1520	999	1710	1240	1590	2010	1990	1350	1750	519	900	2120
29	2250	1910	1890	1260	.....	2050	1950	1290	1540	491	844	1980
30	1950	2000	1840	1460	.....	2040	1950	1400	1280	1110	844	2030
31	1750	.....	1800	1610	.....	1920	.....	1460	.....	1950	852	.....
Mean	1480	1429	1255	1269	1655	1495	2330	1810	2025	870	670	1765
Max.	2250	2000	2220	1850	2160	2230	2950	2530	3070	1990	1390	2670
Min.	1080	314	120	756	954	820	1720	1290	1240	49	416	812
A. F.	91260	85050	77230	77780	92190	108530	138630	111430	120560	53660	42840	105130

Water diverted 1104290 A. F.
Discharge computed over skimming weir.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

COURT HOUSE ROCK CANAL

Diverted from Pumpkinseed Creek

Day	Oct.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	*	14	0	11	22	13	13
2	24	*	15	0	12	27	13	12
3	20	*	15	0	11	24	14	11
4	20	*	15	0	10	17	12	11
5	19	*	16	0	10	15	10	11
6	18	*	16	0	10	14	10	11
7	17	*	16	0	11	12	10	11
8	18	*	16	0	13	12	12	11
9	17	*	18	0	18	13	14	12
10	16	*	18	0	17	13	14	12
11	16	*	13	0	13	14	14	11
12	16	*	18	0	12	17	15	10
13	16	*	0	10	11	15	15	10
14	16	*	0	16	11	13	15	10
15	16	17	0	17	11	12	15	10
16	15	17	0	18	13	10	15	11
17	15	16	0	16	13	10	15	11
18	15	14	0	15	13	9	14	11
19	15	12	0	13	12	9	14	11
20	14	10	0	14	12	10	12	10
21	14	10	0	14	12	10	13	10
22	14	10	0	14	14	10	17	11
23	14	11	0	14	21	11	12	10
24	13	12	0	14	23	13	13	8
25	13	10	0	12	24	21	14	10
26	13	10	0	12	22	18	14	11
27	13	11	0	12	22	14	13	11
28	13	11	0	13	21	14	13	12
29	13	11	0	12	21	9	13	12
30	13	12	0	12	21	11	13	12
31	13	12		12		11	12	
Mean	16	7	6	8	15	14	13	11
Max.	24	17	18	18	24	27	17	13
Min.	13	0	0	0	10	9	10	8
A. F.	978	409	377	516	883	853	819	649

Area reported 1502 acres.
Water diverted 5484 A. F.
Per acre 3.65 A. F.
*No record.

Acreage Reported	
D-840, -1028	1466
A-851	30
A-2315	6
Total	1502

COZAD CANAL

Diverted from Platte River and Sutherland Reservoir

Day	Oct.	Nov.	Dec.	May	June	July	Aug.	Sept.
1	0	116	118	0	56	73	98	91
2	0	118	*100	0	50	70	97	95
3	0	118	*100	0	46	65	99	95
4	0	103	*100	0	44	75	103	31
5	0	105	*100	0	44	87	136	44
6	0	106	*95	6	47	91	147	48
7	22	106	*95	25	46	93	154	51
8	135	99	93	33	46	121	156	48
9	58	114	*45	30	52	140	155	47
10	48	4	*30	16	50	133	165	44
11	37	0	0	14	49	129	122	44
12	53	0	0	16	45	107	150	36
13	85	0	0	25	49	11	150	39
14	88	0	0	27	48	25	150	32
15	79	0	0	38	42	39	136	39
16	96	0	0	38	46	0	124	47
17	124	0	0	39	55	5	59	48
18	119	20	0	36	69	29	44	48
19	122	62	0	50	78	46	39	49
20	124	83	0	41	78	38	29	54
21	120	90	0	14	83	43	0	56
22	134	75	0	38	74	49	0	61
23	139	96	0	32	61	53	0	16
24	141	113	0	30	57	60	0	24
25	144	86	0	29	68	99	36	11
26	133	96	0	32	78	124	123	10
27	138	116	0	38	77	89	94	16
28	128	113	0	44	78	0	94	34
29	137	128	0	41	78	0	93	36
30	141	126	0	42	77	11	90	39
31	137		0	51		95	87	
Mean	87	73	28	27	59	64	94	44
Max.	144	128	118	51	83	140	165	95
Min.	0	0	0	0	42	0	0	10
A. F.	5320	4350	1737	1636	3513	3967	5812	2644

Water diverted 28979 A. F.
*Estimated.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

COZAD CANAL SPILL
To Dawson County Canal—
Sec. 6-10-22 W.

Day	May	June	July	Aug.	Sept.
1	0	0	12	21	18
2	0	0	21	1	24
3	0	0	8	1	13
4	0	0	14	1	50
5	0	0	11	1	10
6	0	0	15	1	11
7	0	0	8	4	11
8	0	0	7	2	23
9	0	0	15	1	30
10	0	0	16	0	32
11	0	0	7	2	30
12	0	0	11	1	24
13	0	2	0	6	26
14	0	6	0	10	26
15	0	14	0	9	16
16	0	3	0	14	14
17	0	3	6	15	33
18	0	2	4	5	42
19	0	9	6	1	34
20	0	19	18	1	20
21	0	16	12	0	16
22	0	14	15	0	48
23	0	16	7	0	24
24	0	19	14	0	50
25	2	11	12	0	19
26	2	21	3	0	11
27	0	28	1	40	6
28	0	19	0	28	3
29	0	16	0	31	7
30	0	19	0	33	8
31	0	—	0	30	—
Mean	0.1	8	8	8	22
Max.	2	28	21	40	50
Min.	0	0	0	0	3
A. F.	8	470	472	514	1351

Total acre-feet 2815.

CREWS CANALS, NO. 2 AND NO. 3
Diverted from Republican River

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	0
5	*	0	*	*	*
6	*	*	0	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	0	*
10	*	*	*	*	*
11	*	*	*	*	*
12	*	*	*	*	*
13	*	*	*	*	*
14	*	*	*	0	*
15	*	*	*	*	*
16	*	0	*	*	*
17	*	*	*	*	*
18	*	*	*	*	*
19	*	*	*	*	*
20	*	*	*	*	*
21	*	*	*	*	*
22	*	*	*	*	*
23	*	*	*	0	*
24	*	*	*	*	*
25	*	*	*	*	*
26	*	*	*	*	*
27	*	*	*	*	*
28	*	*	*	*	*
29	*	*	*	*	0
30	*	2	*	*	*
31	*	—	*	*	—
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	*	*	*	*	*

Water diverted—incomplete record.
*No record.

	Acreage Reported
A-1709	88
A-1826	No report

COZAD CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	Dec.	May	June	July	Aug.	Sept.	Total
Diverted from Platte River	5320	4350	1737	1636	3513	3967	5812	2644	25979
Spill into Dawson County Canal	*	*	*	8	470	472	514	1351	2815
Net diverted	5320	4350	1737	1628	3043	3495	5298	1293	26164

Area reported 25190 acres.
Net diverted 26164 A. F., including storage.
Per acre 1.04 A. F.
Storage water diverted 4393 A. F.
*No record.

	Acreage Reported
D-626	25190

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

CULBERTSON CANAL
Diverted from Frenchman River and Stinking Water Creek

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	73	83	0	74	68	82	69
2	60	84	0	51	66	80	70
3	53	84	0	34	45	71	70
4	47	80	0	36	38	71	69
5	41	80	0	36	39	69	69
6	46	86	0	33	39	73	70
7	53	84	32	23	36	72	53
8	48	84	52	29	39	74	70
9	36	82	48	37	50	74	69
10	32	56	43	70	68	77	66
11	31	14	44	22	71	74	66
12	32	0	43	23	64	72	65
13	31	0	44	26	32	72	67
14	31	0	54	26	26	72	69
15	44	0	61	22	41	73	69
16	46	0	60	27	37	75	69
17	51	0	61	39	50	84	70
18	64	0	60	44	55	85	69
19	66	0	59	44	56	87	68
20	66	0	46	48	63	91	70
21	64	0	37	52	67	86	70
22	64	0	37	54	72	81	56
23	60	0	39	69	76	83	52
24	62	0	39	72	79	71	43
25	67	0	37	67	83	74	37
26	66	0	40	69	83	78	36
27	70	0	55	72	85	77	34
28	75	0	57	81	77	74	15
29	75	0	64	77	85	71	12
30	82	0	70	68	87	73	13
31	85	—	72	—	85	71	—
Mean	56	27	40	48	60	76	64
Max.	85	86	72	81	87	91	70
Min.	31	0	0	22	26	69	12
A. F.	3414	1620	2487	2826	3693	4695	3422

Acreage Reported	
D-24,-25, -29,-30	10611

Area reported 10611 acres.
Water diverted 21357 A. F.
Per acre 2.01 A. F.

DAWSON COUNTY CANAL
Diverted from Platte River and Sutherland Reservoir

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	190	177	0	68	123	231	150
2	265	184	0	79	131	194	239
3	316	184	0	52	116	235	228
4	301	203	0	45	53	265	152
5	252	187	0	48	74	308	157
6	225	179	0	58	118	325	158
7	230	179	0	63	114	325	143
8	240	184	0	72	100	277	150
9	250	196	0	89	59	257	162
10	285	164	0	119	74	274	152
11	285	0	0	111	95	313	156
12	289	0	0	68	126	289	150
13	259	0	0	72	60	222	147
14	229	0	0	84	0	155	145
15	184	0	31	74	110	157	145
16	171	0	27	65	198	168	157
17	147	0	28	70	180	174	130
18	140	0	28	66	162	173	126
19	149	0	37	57	177	189	131
20	155	0	66	63	174	174	138
21	145	0	64	62	180	171	164
22	134	0	47	97	201	165	255
23	166	0	46	75	238	152	196
24	259	0	55	72	218	170	208
25	368	0	55	67	173	168	178
26	413	0	54	66	137	243	166
27	376	0	60	77	75	235	152
28	301	0	58	97	97	192	165
29	337	0	54	118	147	173	192
30	326	0	57	114	171	162	192
31	247	—	71	—	218	151	—
Mean	246	61	27	78	132	216	166
Max.	413	203	71	119	238	325	255
Min.	134	0	0	45	0	151	126
A. F.	15142	3644	1662	4498	8130	13264	9874

Water diverted 56214 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

DAWSON COUNTY CANAL SPILL
To Elm Creek—Sec. 13-9-19 W.

Day	May	June	July	Aug.	Sept.
1	0	0	0	1	1
2	0	0	0	1	2
3	0	0	0	1	2
4	0	0	0	0	4
5	0	0	0	0	3
6	0	0	0	0	2
7	0	0	0	0	2
8	0	0	0	0	1
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	2	0	1
14	0	0	0	0	1
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	1	0	0
24	0	0	2	0	0
25	0	0	1	0	0
26	0	0	1	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	1	0
31	0	..	0	0	..
Mean	0	0	0.2	0.1	0.6
Max.	0	0	2	1	4
Min.	0	0	0	0	0
A. F.	0	0	14	8	38

Total acre-feet 60.

DAWSON COUNTY CANAL SPILL
To French Creek—Sec. 1-10-22 W.

Day	May	June	July	Aug.	Sept.
1	0	15	11	1	0
2	0	3	9	0	22
3	0	0	9	0	20
4	0	1	5	3	67
5	0	0	4	2	1
6	0	0	3	2	11
7	0	0	3	1	2
8	0	0	4	1	9
9	0	2	2	1	36
10	0	7	2	1	33
11	0	9	1	2	30
12	0	0	1	1	11
13	0	1	0	1	9
14	0	14	4	0	9
15	0	5	11	0	6
16	0	2	50	0	7
17	1	2	50	1	5
18	2	5	19	0	1
19	3	1	7	0	1
20	0	0	30	1	1
21	0	0	6	1	5
22	0	0	6	1	75
23	0	9	24	1	9
24	0	1	26	1	64
25	0	0	0	1	28
26	2	1	1	6	21
27	1	0	2	28	2
28	2	1	0	28	2
29	1	3	0	2	17
30	1	6	0	4	60
31	1	..	2	1	..
Mean	0.5	3	9	3	19
Max.	3	15	50	28	75
Min.	0	0	0	0	0
A. F.	28	174	579	182	1129

Total acre-feet 2092.

DAWSON COUNTY CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from:—								
Platte River	15142	3644	1662	4498	8130	13264	9874	56214
Cozad Canal spill	*	*	8	470	472	514	1351	2815
Total diverted	15142	3644	1670	4968	8602	13778	11225	59029
Spill into:—								
French Creek—Sec. 1-10-22 W.	*	*	28	174	579	182	1129	2092
Elm Creek—Sec. 13-9-19 W.	*	*	0	0	14	8	38	60
Total spill	—	—	28	174	593	190	1167	2152
Net diverted	15142	3644	1642	4794	8009	13588	10058	56877

Area reported 98441 acres.
Net diverted 56877 A. F., including storage.
Per acre 0.58 A. F.
Storage water diverted 5972 A. F.
*No record.

Acreage	Reported
D-621	500
D-622	66568
D-624.-624R	5667
A-2039	5113
A-2093	213
A-2110	18506
A-2145	985
A-2262	889
Total	98441

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

DELAWARE-HICKMAN CANAL

Diverted from Republican River

Day	June	July	Aug.	Sept.
1	*	*	*	*
2	*	*	*	*
3	*	*	*	*
4	*	*	*	*
5	0	*	*	*
6	*	5	*	*
7	*	*	*	*
8	*	*	0	*
9	*	*	*	*
10	*	*	*	*
11	*	*	*	*
12	*	*	*	*
13	*	*	*	*
14	*	*	0	*
15	*	*	*	*
16	*	*	*	*
17	*	*	*	*
18	*	*	*	*
19	*	0	*	*
20	*	*	*	*
21	*	*	*	*
22	*	*	*	*
23	*	*	*	*
24	*	*	*	*
25	*	*	*	*
26	*	*	*	*
27	*	*	*	*
28	*	*	*	*
29	*	*	*	*
30	*	*	*	*
31	—	*	*	—
Mean	*	*	*	*
Max.	*	*	*	*
Min.	*	*	*	*
A. F.	*	*	*	*

*No record.

Acreage D-157 — Reported No report filed

Water diverted—incomplete record.

ELM CREEK CANAL

Diverted from Platte River and Sutherland Reservoir

Day	Oct.	Nov.	Dec.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	†10	0	*	25	30	0	0	14	18
2	17	†13	0	*	36	31	0	0	18	44
3	19	†15	0	*	24	32	0	0	15	23
4	24	†18	0	*	14	31	0	0	15	25
5	28	†20	48	*	16	32	0	8	14	21
6	32	22	36	*	14	13	0	9	28	24
7	36	24	34	*	15	13	0	11	36	26
8	40	39	22	*	16	13	0	11	44	14
9	51	46	28	*	15	13	0	8	34	12
10	42	46	46	*	20	8	0	12	41	11
11	33	8	52	*	22	8	0	13	31	7
12	26	8	46	*	28	8	0	15	32	12
13	20	0	0	*	34	8	0	31	37	15
14	24	0	0	*	4	8	0	20	34	17
15	13	0	0	*	4	3	0	30	30	16
16	13	0	0	*	0	0	0	27	35	15
17	10	0	0	*	17	0	0	30	35	14
18	10	0	0	*	26	0	0	34	36	14
19	†10	0	0	*	28	0	0	41	33	10
20	†10	0	0	*	51	0	5	25	40	7
21	†10	0	0	*	14	0	9	25	6	6
22	†10	0	0	*	18	0	22	53	2	6
23	†10	0	0	*	20	0	5	56	0	7
24	†10	0	0	21	18	0	0	42	0	13
25	†10	0	0	21	17	0	0	52	0	17
26	†10	0	0	23	20	0	0	54	0	12
27	10	0	0	20	20	0	0	60	0	10
28	†9	0	0	22	19	0	0	59	5	9
29	†8	0	0	21	23	0	0	65	8	10
30	8	0	0	28	32	0	0	55	17	12
31	†8	...	0	0	...	0	...	20	19	...
Mean	19	6.4	10	5	20	8	1.3	28	21	15
Max.	51	46	48	28	51	32	22	65	44	44
Min.	0	0	0	0	0	0	0	0	0	6
A. F.	1142	383	619	309	1210	498	81	1717	1307	887

Area reported 15893 acres.
Water diverted 8153 A. F., including storage.
Per acre 0.51 A. F.
Storage water diverted 1166 A. F.
*No record.
†Estimated.

Acreage A-2104 — Reported 15893

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

EMPIRE CANAL

Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	7	0	10	6	11	9
2	7	0	10	0	11	9
3	6	0	9	0	11	9
4	3	0	10	0	12	8
5	7	8	12	0	12	9
6	7	10	13	0	11	10
7	3	12	12	0	11	10
8	0	14	12	0	11	9
9	0	14	0	0	11	9
10	1	11	0	0	10	8
11	4	13	0	0	13	8
12	4	14	0	0	12	9
13	2	15	0	0	11	9
14	2	2	0	0	11	9
15	0	6	0	0	11	9
16	0	5	0	0	11	7
17	0	3	0	0	6	3
18	0	5	0	0	6	3
19	0	7	0	0	9	4
20	0	7	0	0	9	5
21	0	7	0	0	9	9
22	0	7	0	0	8	8
23	0	6	0	0	4	9
24	0	7	12	4	0	9
25	0	6	11	4	0	7
26	0	6	8	7	0	6
27	0	8	8	8	0	8
28	0	7	10	10	0	8
29	0	9	9	11	0	0
30	0	9	3	10	0	0
31	0	10		10	5	
Mean	2	7	5	2	8	7
Max.	7	15	13	11	13	10
Min.	0	0	0	0	0	0
A. F.	105	452	296	139	468	436

Acreage	Reported
D-858	1424
A-866	75
Total	1499

Area reported 1499 acres.
Water diverted 1896 A. F.
Per acre 1.26 A. F.

ENTERPRISE CANAL

Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	0	65	106	112	87	67
2	0	133	115	107	93	69
3	0	51	101	112	84	67
4	0	49	89	119	91	69
5	0	41	89	110	85	72
6	0	55	91	101	84	70
7	0	57	97	117	89	70
8	0	47	106	123	85	67
9	0	30	39	99	116	75
10	0	43	14	87	108	73
11	0	40	0	83	93	65
12	0	39	0	117	90	63
13	0	49	21	58	102	67
14	0	71	56	61	115	69
15	0	73	30	88	100	61
16	0	78	28	73	91	66
17	0	81	24	64	56	70
18	0	84	26	87	66	75
19	0	83	58	85	76	75
20	0	78	59	70	75	74
21	0	75	61	76	78	63
22	0	73	59	110	73	65
23	0	78	69	106	60	57
24	0	78	78	102	57	57
25	0	78	152	97	55	57
26	0	78	116	97	67	48
27	0	81	110	101	70	50
28	0	81	114	105	72	59
29	0	81	116	103	66	64
30	0	91	123	101	65	65
31	0	90		89	66	
Mean	0	69	72	96	81	66
Max.	0	133	123	123	116	75
Min.	0	30	0	58	55	48
A. F.	0	4230	4270	5880	4990	3910

Water diverted 23280 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

ENTERPRISE CANAL
Diverted from Stewart and Morrill Drains

Day	May	June	July	Aug.	Sept.
1	0	0	2	2	3
2	0	0	2	2	3
3	0	0	2	2	3
4	0	0	2	2	3
5	0	0	2	2	3
6	0	0	2	2	3
7	0	0	2	2	3
8	0	0	2	2	3
9	0	0	2	2	3
10	0	0	2	2	3
11	0	0	2	2	3
12	0	0	2	2	3
13	0	0	2	2	3
14	0	0	2	2	3
15	0	0	2	2	3
16	0	1	2	2	3
17	0	1	2	2	3
18	0	1	2	2	3
19	0	1	2	2	3
20	0	1	2	2	3
21	0	1	2	2	3
22	0	1	2	2	3
23	0	1	2	2	3
24	0	1	2	2	3
25	0	1	2	2	3
26	0	1	2	2	3
27	0	1	2	2	3
28	0	1	2	2	3
29	0	1	2	2	3
30	0	1	2	2	3
31	0	—	2	2	—
Mean	0	1	2	2	3
Max.	0	1	2	2	3
Min.	0	0	2	2	3
A. F.	0	30	123	123	178

Water diverted 454 A. F.

ENTERPRISE CANAL
Diverted from Wet Spotted Tail Creek

Day	May	June	July	Aug.	Sept.
1	3	4	7	9	9
2	3	4	7	9	9
3	3	4	7	9	9
4	3	4	7	9	9
5	3	4	7	9	9
6	3	4	8	9	9
7	3	4	8	9	9
8	3	4	8	9	9
9	3	4	8	9	9
10	3	4	8	9	9
11	3	5	8	9	9
12	3	5	8	9	9
13	3	5	8	9	9
14	3	5	8	9	9
15	3	5	8	9	9
16	3	5	8	10	9
17	4	5	8	10	8
18	4	5	8	10	8
19	4	5	8	10	8
20	4	5	8	10	8
21	4	6	8	10	8
22	4	6	8	10	8
23	4	6	8	10	8
24	4	6	8	10	8
25	4	6	8	10	8
26	4	6	9	9	8
27	4	6	9	9	8
28	4	6	9	9	8
29	4	6	9	9	8
30	4	6	9	9	8
31	4	—	9	9	—
Mean	3	5	8	9	9
Max.	4	6	9	10	9
Min.	3	4	7	9	8
A. F.	214	298	494	573	508

Water diverted 2086 A. F.

ENTERPRISE CANAL
Diverted from Tub Springs

Day	May	June	July	Aug.	Sept.
1	0	0	5	21	14
2	0	0	8	19	20
3	0	1	0	20	20
4	0	15	0	21	20
5	0	7	0	21	21
6	0	3	0	21	7
7	0	0	4	22	0
8	0	0	14	22	10
9	9	0	16	22	0
10	4	0	15	22	0
11	2	0	19	22	0
12	8	0	0	23	0
13	19	0	0	23	0
14	9	0	0	23	0
15	16	0	0	23	0
16	19	0	0	22	0
17	22	0	0	18	0
18	22	0	0	0	0
19	13	0	0	0	0
20	12	0	0	0	0
21	20	0	16	6	0
22	13	1	17	2	0
23	13	0	21	0	0
24	18	46	18	0	0
25	18	46	19	0	0
26	22	46	17	7	0
27	23	24	12	8	0
28	23	21	17	11	0
29	16	0	17	17	0
30	3	0	17	16	0
31	3	—	20	0	—
Mean	11	7	9	14	8
Max.	23	46	21	23	21
Min.	0	0	0	0	0
A. F.	649	416	540	856	222

Water diverted 2683 A. F.

ENTERPRISE CANAL
Diverted from Winters Creek

Day	May	June	July	Aug.	Sept.
1	0	5	11	5	2
2	0	4	11	5	2
3	0	4	8	5	3
4	0	5	11	5	4
5	0	5	4	4	4
6	0	3	3	4	4
7	0	3	4	5	4
8	2	3	4	5	4
9	2	2	4	5	4
10	2	1	4	6	3
11	2	0	4	6	3
12	2	0	4	6	3
13	2	0	4	7	3
14	3	0	4	7	4
15	4	0	4	7	3
16	3	0	4	8	3
17	2	0	4	8	3
18	2	0	4	8	3
19	3	2	4	8	3
20	3	3	4	7	3
21	3	3	4	4	2
22	3	5	4	3	3
23	4	5	4	3	3
24	4	6	5	3	2
25	4	6	5	3	2
26	4	7	4	3	1
27	4	8	4	2	1
28	5	9	4	2	1
29	5	10	4	2	1
30	5	10	4	2	1
31	5	—	5	2	—
Mean	3	4	5	5	3
Max.	5	10	11	8	4
Min.	0	0	3	2	1
A. F.	155	216	300	298	163

Water diverted 1132 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

ENTERPRISE CANAL SPILL
To Tub Springs—Sec. 32-23-55 W.

Day	May	June	July	Aug.	Sept.
1	17	24	0	0	0
2	32	12	0	0	0
3	28	0	7	0	0
4	29	0	31	0	0
5	30	0	28	0	0
6	27	0	31	0	0
7	8	4	0	0	11
8	3	72	0	0	0
9	0	84	0	0	5
10	0	50	0	0	13
11	0	22	0	0	26
12	0	18	48	0	0
13	0	14	35	0	6
14	0	40	65	0	36
15	0	28	46	0	23
16	0	13	26	0	22
17	0	6	8	0	24
18	0	1	12	10	26
19	0	6	12	4	26
20	0	8	10	5	9
21	0	9	0	0	13
22	0	0	0	0	35
23	0	10	0	16	40
24	0	0	0	24	37
25	0	0	0	6	33
26	0	0	0	0	33
27	0	0	0	0	35
28	0	0	0	0	38
29	0	31	0	0	39
30	0	7	0	0	4
31	0		0	0	
Mean	6	15	12	2	18
Max.	30	84	65	24	40
Min.	0	0	0	0	0
A. F.	345	910	712	129	1059

Total acre-feet 3155.

ENTERPRISE CANAL SPILL
To Winters Creek—Sec. 17-22-54 W.

Day	May	June	July	Aug.	Sept.
1	15	23	29	16	5
2	16	15	28	20	14
3	15	19	29	12	13
4	16	16	20	10	9
5	15	21	15	10	10
6	15	20	15	14	22
7	15	30	10	11	15
8	13	18	23	7	15
9	12	21	21	10	20
10	12	3	18	20	17
11	10	0	22	11	3
12	7	0	29	11	19
13	5	0	20	8	18
14	5	12	22	6	18
15	4	14	15	6	8
16	5	10	12	8	10
17	6	14	18	15	7
18	10	10	30	35	8
19	16	14	22	21	7
20	6	23	19	11	7
21	7	18	18	30	26
22	9	14	12	24	26
23	13	11	12	28	20
24	14	11	17	32	20
25	19	3	14	34	18
26	10	5	12	26	19
27	19	9	20	31	18
28	16	18	21	23	18
29	23	15	17	20	19
30	18	14	15	15	18
31	22		9	22	
Mean	12	13	19	18	12
Max.	23	30	30	35	26
Min.	4	0	9	6	3
A. F.	770	795	1158	1085	887

Total acre-feet 4695.

ENTERPRISE CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from:—						
North Platte River	4230	4270	5880	4990	3910	23280
Morrill and Stewart Drains	0	30	123	123	178	454
Dry Spotted Tail Creek	0	0	0	0	0	0
Wet Spotted Tail Creek	214	298	494	573	508	2087
Tub Springs	649	416	540	856	222	2683
Winters Creek	155	216	300	298	163	1132
Total diverted	5248	5230	7337	6840	4981	29636
Spill into:—						
Tub Springs	345	910	712	129	1059	3155
Winters Creek	770	795	1158	1085	887	4695
Total spill	1115	1705	1870	1214	1946	7850
Net diverted	4133	3525	5467	5626	3035	21786

Area reported 7884 acres.
Net diverted 21786 A. F.
Per acre 2.76 A. F.

Acreage Reported	
D-920	7731
D-920 (O.D. A-2409)	153
Total	7884

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

FARMERS CANAL
Diverted from Frenchman River

Day	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*
4	0	*	*	*	*	*	*	*
5	*	*	*	*	*	*	0	0
6	*	*	*	*	*	*	*	*
7	*	0	*	*	0	*	*	*
8	0	*	*	*	*	*	*	*
9	*	*	*	0	*	*	0	*
10	*	*	*	0	*	0	*	*
11	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*
13	*	0	*	*	0	*	*	*
14	*	*	*	*	*	*	*	*
15	*	*	*	*	*	*	0	*
16	0	*	*	*	*	*	*	*
17	0	*	*	*	*	0	*	0
18	*	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*	*
20	*	*	*	0	0	*	*	*
21	*	*	*	*	*	*	0	*
22	*	*	*	*	*	0	*	*
23	*	*	*	*	*	*	*	0
24	0	*	0	*	*	*	0	*
25	*	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*	*
29	*	*	*	0	*	0	*	*
30	0	*	*	*	*	*	*	*
31	*	--	--	*	--	*	*	--
Mean	*	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*	*
A. F.	*	*	*	*	*	*	*	*

Water diverted—incomplete record.

Acreage	Reported
D-10	505

*No record.

FOLLETT-KROTTER CANAL
Diverted from Frenchman River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*
4	0	*	*	*	*	*	*
5	*	*	*	*	10	10	10
6	*	*	*	*	*	*	*
7	*	12	*	0	*	*	*
8	0	*	*	*	*	*	*
9	*	*	*	*	*	0	*
10	*	*	0	*	*	*	*
11	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*
13	*	0	0	0	*	*	*
14	*	*	*	*	*	*	*
15	*	*	*	*	*	0	*
16	0	*	*	*	*	*	*
17	0	*	*	*	8	*	12
18	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*
20	*	*	12	15	10	*	*
21	*	*	*	*	*	0	*
22	*	*	*	*	*	*	*
23	*	*	*	*	*	*	10
24	0	*	*	*	*	*	*
25	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*
29	*	*	8	*	10	*	*
30	0	*	*	*	*	*	*
31	*		*		*	*	
Mean	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*
A. F.	*	*	*	*	*	*	*

*No record.

Acreage	Reported
A-705	300
A-720	180
A-975	324
A-2294	208
Total	1012

Water diverted—incomplete record.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

FORT LARAMIE CANAL

Diverted from North Platte River, Pathfinder and Guernsey Reservoirs

Day	May	June	July	Aug.	Sept.
1	288	782	1137	1363	939
2	301	1039	1104	1330	946
3	360	1087	1003	1280	965
4	475	1165	923	1278	1006
5	760	1236	831	1305	1031
6	908	1339	797	1318	1078
7	934	1315	812	1370	1081
8	961	1293	852	1369	1086
9	1082	917	864	1367	1070
10	959	354	955	1373	1058
11	755	120	1039	1371	1059
12	724	0	1011	1331	1046
13	793	0	786	1331	1002
14	910	0	699	1308	975
15	835	0	682	1301	927
16	618	0	668	1301	909
17	355	0	682	1288	909
18	0	0	676	1246	909
19	0	0	710	1171	889
20	0	295	714	1130	410
21	0	570	905	1114	314
22	0	627	915	1036	337
23	0	672	979	989	345
24	0	789	1111	936	299
25	0	1036	1214	924	261
26	0	1148	1261	958	229
27	0	1196	1278	936	198
28	80	1200	1278	894	197
29	0	1196	1314	865	127
30	0	1133	1355	865	61
31	395	.....	1363	892	.....
Mean	403	683	968	1180	722
Max.	1082	1339	1363	1373	1086
Min.	0	0	668	865	61
A. F.	24780	40660	59340	72470	42970

Total area irrigated estimated at 107500 acres.
Area in Nebraska 54797 acres.
Water diverted for irrigation 240220 A. F.
Per acre 2.23 A. F.

GERING CANAL

Diverted from North Platte River and Pathfinder Reservoir

Day	Apr.	May	June	July	Aug.	Sept.
1	0	120	5	3	149	123
2	0	119	6	4	151	124
3	0	129	6	4	148	125
4	0	130	6	4	148	125
5	0	134	104	4	149	125
6	0	133	101	62	151	124
7	69	135	102	101	151	124
8	53	133	102	102	139	124
9	53	129	91	102	129	124
10	53	131	45	101	133	123
11	52	130	31	102	133	123
12	54	123	11	107	133	125
13	53	118	4	102	125	125
14	44	118	3	102	123	124
15	50	104	3	99	123	124
16	92	36	3	99	124	126
17	76	8	3	99	125	126
18	65	8	3	99	125	128
19	70	7	5	99	124	126
20	78	6	6	99	125	124
21	77	6	5	100	125	125
22	87	6	64	104	123	128
23	83	5	101	117	124	125
24	64	5	102	151	124	128
25	64	5	104	153	125	128
26	67	5	105	153	124	126
27	91	5	104	153	125	125
28	107	5	105	151	123	125
29	108	5	34	151	124	124
30	114	5	3	151	123	125
31	___	5	___	149	123	___
Mean	58	65	48	98	131	125
Max.	114	135	143	153	151	128
Min.	0	5	3	3	123	123
A. F.	3429	3983	2711	6004	8075	7440

Acreage Reported
A-365 14238

Area reported 14238 acres.
Water diverted 40846 A. F.
Per acre 2.86 A. F.
Storage water diverted 12780 A. F.

GATCH CANAL

Diverted from Melbeta Drain

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	..	0	0	..
Mean	0	0	0	0	0
Max.	0	0	0	0	0
Min.	0	0	0	0	0
A. F.	0	0	0	0	0

No water diverted during 1941.

Acreage Reported
A-1220 65

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

GOTHENBURG DIVERSION CANAL
Diverted from Platte River

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	171	352	187	192	160	165	130	127	175	293	277	311
2	150	348	153	185	150	165	134	168	170	247	313	305
3	151	320	77	161	160	100	138	174	177	189	331	307
4	128	324	68	172	160	100	118	169	170	283	331	223
5	140	348	100	172	160	100	135	178	168	301	259	233
6	125	324	168	160	173	50	158	221	165	297	248	204
7	124	282	173	160	166	90	156	243	161	301	252	202
8	153	250	175	165	156	150	158	242	161	297	266	213
9	150	338	162	165	104	170	152	271	177	303	275	237
10	151	276	164	165	124	130	155	275	161	327	275	247
11	150	268	155	165	156	155	158	270	153	321	271	257
12	159	85	95	165	161	100	158	287	157	307	257	261
13	193	175	47	165	160	65	164	281	162	315	261	248
14	218	200	53	165	162	110	153	289	150	277	275	237
15	234	210	196	165	169	70	158	266	152	303	279	238
16	254	276	189	160	177	120	143	262	178	311	266	248
17	282	260	217	140	170	120	112	247	185	279	243	254
18	298	218	165	130	170	160	131	243	181	327	257	257
19	336	198	178	135	80	175	130	240	184	291	195	248
20	334	244	171	155	110	160	122	237	209	347	181	254
21	342	246	175	160	85	165	123	215	233	393	181	268
22	350	252	169	155	85	155	117	198	220	351	174	250
23	366	210	169	125	100	155	112	198	213	373	174	218
24	382	193	165	150	115	155	117	204	204	378	231	250
25	374	198	166	160	135	145	117	202	221	343	245	218
26	376	200	164	160	145	155	118	185	243	259	207	201
27	362	189	175	160	150	160	114	200	245	157	254	207
28	372	250	174	155	150	150	122	195	257	164	254	213
29	366	234	181	155	.....	130	130	194	289	192	264	218
30	378	246	188	155	.....	160	123	188	311	179	275	232
31	356	.....	189	160	.....	155	.....	181	.....	192	303	.....
Mean	256	250	155	159	142	133	135	221	194	278	262	242
Max.	382	352	217	192	177	175	164	289	311	393	331	311
Min.	124	85	47	125	85	50	112	127	150	157	174	202
A. F.	15719	14904	9537	9792	7920	8212	8045	13587	11568	17647	15618	14398

Water diverted 146974 A. F.

GOTHENBURG IRRIGATION CANAL
Diverted from Platte River and Sutherland Reservoir

Day	Oct.	Nov.	Dec.	May	June	July	Aug.	Sept.
1	35	202	40	9	16	129	100	128
2	8	190	10	48	16	114	158	130
3	16	186	5	54	15	48	177	130
4	10	178	5	60	15	86	212	71
5	10	178	12	63	15	126	101	56
6	10	185	0	90	15	126	96	50
7	4	145	0	122	15	73	100	45
8	22	165	0	124	15	86	98	46
9	15	210	0	116	15	104	100	69
10	20	150	0	97	9	129	99	90
11	18	150	0	109	0	152	100	97
12	25	10	0	116	0	154	102	104
13	30	50	0	125	0	146	107	102
14	78	80	0	108	0	131	109	92
15	110	80	0	79	0	81	100	90
16	113	140	0	83	10	88	95	100
17	143	130	0	78	25	112	90	100
18	155	80	0	77	28	119	90	110
19	170	50	0	83	29	116	41	110
20	180	100	0	99	35	114	21	109
21	188	100	0	66	57	137	9	104
22	210	100	0	58	54	125	42	104
23	225	160	0	51	45	142	40	75
24	220	80	0	39	51	168	46	59
25	229	50	0	36	60	168	66	45
26	239	50	0	32	76	144	48	49
27	236	50	0	27	81	82	72	40
28	240	100	0	34	108	15	79	37
29	230	80	0	38	104	38	95	40
30	255	100	0	37	110	39	104	46
31	226	.....	0	27	.....	57	101	.....
Mean	118	117	2	70	33	108	90	80
Max.	255	210	40	125	110	168	212	130
Min.	4	10	0	9	0	15	9	37
A. F.	7279	7000	143	4334	2021	6643	5550	4816

Water diverted 37786 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

GOTHENBURG POWER RETURN
Gothenburg—Sec. 9-11-25 W.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	126	123	138	170	150	156	141	108	145	157	150	178
2	142	133	140	175	142	154	144	110	145	150	148	178
3	125	135	91	150	150	88	148	121	139	136	143	163
4	133	129	88	160	150	84	128	113	141	165	150	179
5	112	129	139	136	151	89	146	111	139	165	159	166
6	133	129	156	151	154	44	142	118	144	169	156	168
7	120	127	159	151	86	78	142	114	142	167	155	157
8	121	74	156	154	90	142	142	115	137	169	157	160
9	125	127	151	156	104	163	138	140	149	167	160	163
10	126	115	158	156	129	121	136	165	149	165	164	159
11	123	104	154	155	151	146	141	147	148	160	159	164
12	125	63	102	154	155	87	144	141	146	150	159	136
13	131	121	28	157	157	55	150	138	152	161	144	160
14	131	118	30	156	153	99	151	165	154	159	156	161
15	135	124	175	156	154	63	142	156	148	164	163	160
16	133	128	177	151	154	113	136	155	145	163	157	160
17	133	129	180	129	159	108	101	146	163	162	143	159
18	133	131	165	121	158	149	105	140	156	141	143	159
19	133	140	170	126	69	166	108	152	150	155	164	163
20	132	136	160	146	100	151	112	174	150	148	156	160
21	131	136	165	152	74	154	108	144	156	156	155	160
22	133	138	160	146	76	147	105	144	155	165	141	174
23	133	141	160	116	88	146	97	138	154	158	156	144
24	133	139	155	138	104	142	100	136	150	158	157	184
25	135	139	155	150	126	135	97	136	154	154	163	167
26	127	139	155	150	135	144	108	136	155	115	172	164
27	116	127	165	148	137	151	108	130	156	90	159	151
28	123	138	165	147	140	140	111	151	160	109	168	141
29	123	141	170	145	.....	118	111	156	159	152	165	168
30	115	142	170	146	.....	152	114	141	159	156	160	179
31	120	.....	170	151	.....	146	.....	149	.....	157	169	.....
Mean	128	126	146	148	128	123	125	138	150	152	156	163
Max.	142	142	180	175	159	166	151	174	163	169	172	184
Min.	112	63	28	116	69	44	97	108	137	90	141	136
A. F.	7857	7527	8940	9122	7133	7599	7450	8509	8926	9368	9622	9689

Total acre-feet 101742.

GOTHENBURG CANAL SPILL
To Buffalo Creek—Sec. 8-11-22 W.

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	6
2	0	0	0	0	2
3	0	0	0	0	6
4	0	6	0	0	8
5	0	7	0	0	0
6	4	7	7	0	0
7	10	2	5	1	0
8	2	0	2	0	0
9	0	0	5	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	8
13	0	0	0	0	6
14	0	0	0	0	6
15	0	0	0	0	4
16	0	0	0	0	6
17	0	0	0	0	6
18	0	0	23	0	8
19	0	7	26	0	8
20	0	2	15	0	8
21	0	0	0	0	12
22	0	0	18	0	0
23	0	1	14	0	11
24	0	0	15	0	0
25	0	0	15	0	6
26	0	0	17	0	5
27	0	0	0	0	4
28	0	0	0	0	3
29	0	0	0	0	0
30	0	0	0	0	0
31	0	..	0	0	..
Mean	0.5	1	5	0	4
Max.	10	7	26	1	12
Min.	0	0	0	0	0
A. F.	32	64	321	2	244

Total acre-feet 663.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

GOTHENBURG IRRIGATION CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	Dec.	May	June	July	Aug.	Sept.	Total
Total diverted	7297	7000	143	4334	2021	6643	5550	4816	37804
Spill into Buffalo Creek	*	*	*	32	64	321	2	244	663
Net diverted	7297	7000	143	4302	1957	6322	5548	4572	37141

Area reported 17820 acres.
Net diverted 37141 A. F., including storage.
Per acre 2.08 A. F.
Storage water diverted 3465 A. F.

Acreage	Reported
D-645a	820
D-645b	17000
Total	17820

GRAF CANAL
Diverted from Blue Creek and Crescent Lake —A-1575

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	27	21	18	12	17	1	15
2	28	20	18	5	11	11	15
3	22	19	18	2	12	12	10
4	17	20	19	2	12	15	14
5	17	19	18	4	11	15	14
6	23	19	18	6	12	16	15
7	19	20	15	3	14	12	15
8	14	22	18	3	14	0	15
9	13	23	17	3	16	0	16
10	12	12	14	0	12	0	18
11	12	0	14	0	15	0	19
12	12	0	17	0	14	0	22
13	15	0	17	0	23	0	21
14	17	0	19	0	17	0	21
15	17	0	18	0	8	0	21
16	16	0	28	0	8	0	21
17	16	0	24	0	11	0	22
18	17	0	19	0	15	0	25
19	16	0	15	3	15	6	24
20	16	0	16	10	7	17	24
21	15	0	18	14	3	17	20
22	15	0	15	9	2	16	22
23	14	0	15	14	6	16	0
24	14	0	14	19	8	18	19
25	14	0	16	17	11	15	17
26	15	0	17	16	13	14	15
27	17	0	15	17	13	15	15
28	18	0	15	16	13	17	14
29	19	0	14	15	16	18	12
30	21	0	14	16	15	16	14
31	21	--	12	---	2	17	--
Mean	17	6	17	7	12	9	17
Max.	28	23	28	19	23	18	25
Min.	12	0	12	0	2	0	0
A. F.	1049	387	1041	409	726	563	1022

Acreage	Reported
D-763R	54
D-781R	15
D-788	1989
Total	2058

Area reported 2058 acres.
Water diverted 5197 A. F.
Per acre 2.52 A. F.
No diversion from Crescent Lake.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

GRIMMS PUMP
Diverted from Frenchman River

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	0	0	0
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	0	*
10	*	*	0	*	*
11	*	*	*	*	*
12	*	*	*	*	*
13	*	0	*	*	*
14	*	*	*	*	*
15	*	*	*	0	*
16	*	*	*	*	*
17	*	*	0	*	0
18	*	*	*	*	*
19	*	*	*	*	*
20	0	0	*	*	*
21	*	*	*	0	*
22	*	*	*	*	*
23	*	*	*	*	*
24	*	*	*	0	*
25	*	*	*	*	*
26	*	*	*	0	*
27	*	*	*	*	*
28	*	*	*	*	*
29	0	*	0	*	*
30	*	*	*	*	0
31	*		*	*	
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	*	*	*	*	*

Water diverted—incomplete record. Acreage A-2542 Reported 66

*No record.

GRUVER PUMP
Diverted from Frenchman River

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	0	*	0
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	0	*
10	*	*	0	*	*
11	*	*	*	*	0
12	*	*	*	*	*
13	*	0	*	*	*
14	*	*	*	*	*
15	*	*	*	1	*
16	*	*	*	*	*
17	*	*	0	*	0
18	*	*	*	*	*
19	*	*	*	*	*
20	0	0	*	*	*
21	*	*	*	1	*
22	*	*	0	*	*
23	*	*	*	*	0
24	*	*	*	0	*
25	*	*	*	*	*
26	*	*	*	0	*
27	*	*	*	*	*
28	*	*	0	*	*
29	0	*	*	*	*
30	*	*	*	*	0
31	*		*	*	
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	*	*	*	*	*

Water diverted—incomplete record. Acreage A-2910 Reported 72

*No record.

HAIGLER CANAL
Diverted from Republican River

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	*	*	0	*	*	*	*
2	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*
7	*	*	*	*	*	*	*
8	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*
14	*	*	0	*	*	*	*
15	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*
21	*	*	*	*	*	*	*
22	*	*	*	*	*	*	30
23	*	*	*	*	*	*	*
24	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*
28	*	5	*	*	*	*	*
29	*	*	20	*	*	*	*
30	*	*	*	*	*	*	*
31	*		*		*	*	
Mean	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*
A. F.	*	*	*	*	*	*	*

Water diverted—incomplete record. Acreage D-1025 Reported No report filed

*No record.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

HANDEL PUMP
Diverted from Frenchman River

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	0	*	0
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	0	*
10	*	*	0	*	*
11	*	*	*	*	0
12	*	*	*	*	*
13	*	0	*	*	*
14	*	*	*	*	*
15	*	*	*	1	*
16	*	*	*	*	*
17	*	*	0	*	0
18	*	*	*	*	*
19	*	*	*	*	*
20	0	0	*	*	*
21	*	*	*	1	*
22	*	*	0	*	*
23	*	*	*	*	0
24	*	*	*	0	*
25	*	*	*	*	*
26	*	*	*	0	*
27	*	*	*	*	*
28	*	*	*	*	*
29	0	*	0	*	*
30	*	*	*	*	0
31	*		*	*	
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	*	*	*	*	*

Water diverted—incomplete record. Acreage Reported
*No record. A-3112 75

HOFFMEISTER PUMP
Diverted from Frenchman River and Springs

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	2	0	0
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	0	*
10	*	*	0	*	*
11	*	*	*	*	0
12	*	*	*	*	*
13	*	0	*	*	*
14	*	*	*	*	*
15	*	*	*	0	*
16	*	*	*	*	*
17	*	*	2	*	0
18	*	*	*	*	*
19	*	*	*	*	*
20	*	0	*	*	*
21	*	*	*	0	*
22	*	*	0	*	*
23	*	*	*	*	*
24	*	*	*	0	0
25	*	*	*	*	*
26	*	*	*	0	*
27	*	*	*	*	*
28	*	*	0	*	*
29	0	*	*	*	*
30	*	*	*	*	0
31	*		*	*	
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	*	*	*	*	*

Water diverted—incomplete record. Acreage Reported
*No record. A-2575 61

HARPER CANAL
Diverted from Clear Creek

Day	Apr.	May	June	July	Aug.	Sept.
1	*	0	0	0	0	0
2	*	0	0	0	0	0
3	*	0	0	0	0	0
4	*	0	0	0	0	0
5	*	0	0	0	0	0
6	*	1	0	0	0	0
7	*	0	0	0	0	0
8	1	0	0	0	0	0
9	*	0	0	0	0	0
10	*	0	0	0	0	0
11	*	0	0	0	0	0
12	*	0	0	0	0	0
13	*	0	0	0	0	0
14	*	0	0	0	0	2
15	*	0	0	0	0	0
16	*	0	0	0	0	0
17	*	0	0	0	0	0
18	*	0	0	0	0	0
19	*	0	0	0	0	0
20	*	0	0	0	0	0
21	*	0	0	0	0	0
22	*	0	0	0	0	0
23	*	0	0	0	0	0
24	*	0	0	0	0	0
25	*	0	0	0	0	0
26	*	0	0	0	0	0
27	*	0	0	0	0	0
28	*	0	0	0	0	0
29	*	0	0	0	0	0
30	*	0	0	0	0	0
31		0		0	0	
Mean	*	0	0	0	0	0.1
Max.	*	1	0	0	0	2
Min.	*	0	0	0	0	0
A. F.	*	2	0	0	0	4

Water diverted—incomplete record. Acreage Reported
*No record. A-2316 55

HOLCOMBE CANAL
Diverted from Pawnee Creek

Day	May	June	July	Aug.	Sept.
1	0	2	*	*	*
2	0	2	*	*	0
3	0	2	*	*	*
4	0	2	*	0	*
5	1	2	*	*	*
6	1	*	*	*	*
7	1	*	*	*	*
8	1	*	1	*	*
9	1	*	*	*	*
10	1	*	*	*	*
11	1	*	1	0	*
12	0	*	*	*	1
13	1	*	*	*	*
14	4	*	0	*	*
15	4	*	*	0	*
16	3	*	*	*	1
17	2	*	*	*	1
18	2	*	0	*	*
19	2	*	*	1	*
20	3	*	*	*	*
21	3	*	0	*	*
22	3	*	*	*	*
23	2	*	*	*	*
24	2	1	0	*	*
25	2	*	*	*	*
26	2	*	*	*	*
27	2	*	*	0	*
28	3	*	*	*	*
29	3	*	*	*	*
30	3	*	*	0	*
31	0		0	*	
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	†130	†30	†20	†10	†20

Area reported 560 acres. Acreage
Water diverted—incomplete record— D-636 560
210 A. F.
Per acre 0.38 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

HOLLINGSWORTH CANAL

Diverted from South Platte River

Day	May	June	July	Aug.	Sept.
1	0	14	9	5	8
2	0	14	9	5	10
3	0	13	9	4	10
4	0	12	9	5	8
5	0	12	10	5	6
6	0	12	10	12	6
7	0	12	9	11	6
8	0	12	9	8	6
9	0	12	9	5	6
10	0	10	9	5	6
11	0	10	9	5	6
12	0	10	9	10	6
13	0	12	9	10	12
14	0	12	9	10	10
15	0	12	12	10	10
16	0	12	12	7	8
17	0	9	10	7	8
18	0	14	11	7	7
19	0	14	12	7	7
20	0	14	10	7	7
21	0	14	10	11	7
22	0	10	9	10	10
23	0	6	9	10	7
24	1	5	9	10	7
25	1	5	9	10	7
26	0	9	9	10	7
27	0	9	7	8	6
28	14	9	6	8	6
29	14	9	6	10	6
30	14	9	0	8	6
31	14	..	5	8	..
Mean	2	11	9	8	7
Max.	14	14	12	12	10
Min.	0	5	0	4	6
A. F.	111	650	543	488	440

	Acreage	Reported
D-723		374

Area reported 374 acres.
Water diverted 2232 A. F.
Per acre 5.96 A. F.

HOOPER CANAL

Diverted from Blue Creek and Crescent Lake—A-1575

Day	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	15	6	0	7	14	13	11	15
2	11	7	0	8	6	13	10	16
3	9	9	0	9	2	12	11	16
4	11	10	0	8	6	10	12	16
5	11	9	0	5	18	9	12	16
6	14	9	0	5	6	5	12	15
7	14	10	0	7	1	10	14	14
8	13	10	0	10	1	10	13	14
9	14	10	0	10	2	11	12	13
10	14	8	0	12	2	11	11	9
11	14	7	0	11	2	11	10	5
12	12	11	0	10	1	0	10	0
13	10	11	0	10	1	0	8	1
14	9	12	0	11	1	0	8	2
15	9	11	0	5	1	1	12	2
16	9	11	0	8	1	2	12	2
17	9	0	0	7	10	2	12	2
18	9	0	0	6	8	2	13	2
19	9	0	0	8	5	3	13	2
20	9	0	0	10	6	3	12	2
21	10	0	2	12	11	3	14	2
22	10	0	3	6	13	6	14	6
23	10	0	4	5	13	12	13	9
24	10	0	4	9	13	12	12	9
25	11	0	5	5	13	13	12	3
26	11	0	6	8	13	13	12	2
27	12	0	7	9	12	12	12	1
28	10	0	7	11	13	12	9	1
29	7	0	7	10	15	13	9	4
30	6	0	7	13	13	13	13	7
31	6	..	..	12	..	12	15	..
Mean	11	5	2	9	7	8	12	7
Max.	15	12	7	13	18	13	15	16
Min.	6	0	0	5	1	0	8	0
A. F.	650	300	103	530	442	494	720	413

Area reported 877 acres.
Water diverted 3652 A. F.
Per acre 4.16 A. F.
No diversion from Crescent Lake.

	Acreage	Reported
D-781		858
D-788R		19
Total		877

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

HURLEY-LILLY-POLLY CANAL
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	1	2	2	2
2	0	1	2	2	2
3	0	1	2	3	2
4	0	1	2	2	2
5	0	1	2	3	3
6	0	1	2	3	3
7	0	1	1	3	3
8	0	1	1	3	3
9	0	1	1	3	3
10	0	0	1	3	3
11	0	0	1	3	3
12	0	0	1	2	3
13	2	0	1	2	3
14	3	0	1	2	3
15	2	0	2	2	3
16	2	0	2	2	3
17	1	0	2	2	3
18	1	0	2	2	3
19	1	0	2	2	3
20	2	0	2	2	3
21	1	0	2	2	3
22	1	3	2	2	3
23	1	3	2	2	3
24	1	2	2	2	3
25	1	2	2	2	3
26	1	2	2	3	3
27	1	2	2	2	3
28	1	2	2	2	0
29	1	2	2	3	0
30	1	2	2	3	0
31	1	--	2	2	--
Mean	1	1	1	2	2
Max.	3	3	2	3	3
Min.	0	0	1	2	0
A. F.	50	58	107	145	153

Acreage	Reported
D-354	180

Area reported 180 acres
Water diverted 513 A. F.
Per acre 2.85 A. F.

INMAN CANAL
Diverted from Frenchman River

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*
5	*	*	*	*	0	12	9
6	*	*	*	*	*	*	*
7	*	*	*	*	*	*	*
8	*	*	*	*	*	*	*
9	*	*	*	*	*	0	*
10	*	*	*	*	*	*	*
11	*	*	*	*	*	*	0
12	*	*	*	*	*	*	*
13	*	*	*	1	*	*	*
14	*	*	*	*	*	*	*
15	*	*	*	*	*	0	*
16	*	*	*	*	*	*	*
17	0	*	*	*	0	*	3
18	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*
20	*	*	8	8	*	*	*
21	*	*	*	*	*	0	*
22	*	*	*	*	0	*	*
23	*	*	*	*	*	*	0
24	*	0	*	*	*	0	*
25	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*
29	*	*	8	*	0	*	*
30	0	*	*	*	*	*	*
31	*	--	*	--	*	*	--
Mean	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*
A. F.	*	*	*	*	*	*	*

*No record.

Acreage	Reported
D-79	100
A-436	365
Total	465

Water diverted—incomplete record.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

INTERSTATE CANAL
Diverted from North Platte River, Pathfinder and Guernsey Reservoirs

Day	Apr.	May	June	July	Aug.	Sept.
1	0	986	1190	1470	1750	1240
2	0	944	1190	1380	1700	1230
3	0	992	1200	1120	1680	1220
4	0	974	1200	1070	1680	1260
5	0	1020	1200	971	1680	1290
6	0	1080	1200	1060	1700	1280
7	0	1180	1200	1180	1730	1360
8	0	1290	1180	1250	1710	1360
9	0	1510	1060	1340	1680	1280
10	0	1500	740	1380	1650	1230
11	0	1360	685	1430	1670	1240
12	0	1380	827	1240	1680	1230
13	0	1310	896	459	1650	1190
14	0	1300	920	0	1610	1190
15	0	1260	932	398	1590	1180
16	384	1250	932	558	1520	1150
17	614	1240	935	502	1480	1140
18	755	1240	860	902	1460	1140
19	765	1240	708	1180	1350	1140
20	782	1240	658	1370	1250	1140
21	806	1240	728	1420	1220	1250
22	806	1240	696	1520	1210	1240
23	953	1250	678	1630	1210	1240
24	926	1270	1100	1740	1210	1080
25	932	1260	1310	1750	1240	842
26	929	1280	1470	1790	1310	827
27	935	1340	1620	1840	1380	827
28	998	1340	1690	1840	1340	665
29	992	1340	1540	1800	1300	330
30	980	1250	1480	1780	1300	0
31	___	1190	_____	1770	1280	_____
Mean	418	1235	1068	1263	1491	1131
Max.	998	1380	1690	1840	1750	1360
Min.	0	944	658	0	1210	330
A. F.	24907	75960	63522	77634	91677	65040

Acreage	Reported
Hill Dist. (Wyo.)	3704
Lingle Dist. (Wyo.)	11288
Other Wyo. lands	1576
Nebr. lands	112877
Total	129445

Area reported 129445 acres.
Total headgate diversion 398740 A. F.
Per acre 3.08 A. F.

JENKINS CANAL
Diverted from Buffalo Creek

Day	Oct.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*
2	*	*	*	*	*	*
3	*	*	*	*	*	*
4	*	*	*	*	*	*
5	*	*	0	*	*	*
6	*	*	*	0	*	*
7	*	0	*	*	0	*
8	*	*	*	*	*	*
9	*	*	*	*	*	*
10	*	*	*	*	*	*
11	*	*	*	*	*	*
12	0	*	*	*	*	*
13	*	*	*	*	*	*
14	*	*	*	*	0	*
15	*	*	*	*	*	*
16	*	*	*	*	*	*
17	*	*	*	*	*	*
18	*	*	*	*	*	*
19	*	*	*	0	*	*
20	*	*	*	*	*	*
21	*	*	*	*	*	*
22	*	*	*	*	*	0
23	*	*	*	*	0	*
24	*	*	*	*	*	*
25	*	*	*	*	*	*
26	*	*	*	*	*	*
27	*	*	*	*	*	*
28	*	*	*	*	*	*
29	*	*	*	*	*	*
30	*	*	0	*	*	*
31	*	*	_	*	*	_
Mean	*	*	*	*	*	*
Max.	*	*	*	*	*	*
Min.	*	*	*	*	*	*
A. F.	*	*	*	*	*	*

*No record.

Acreage	Reported
A-924	No report filed

Water diverted—incomplete record.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

KEARNEY CANAL

Diverted from Platte River, Buffalo and Elm Creeks, and Sutherland Reservoir

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1	256	265	235	255	200	272	306	31	98	17
2	0	1	263	146	243	288	261	228	248	31	27	65
3	0	1	86	113	253	232	302	218	337	34	24	127
4	0	1	229	150	308	191	310	214	323	38	8	43
5	0	1	322	140	280	245	336	299	243	45	5	55
6	0	1	328	141	95	199	337	317	269	50	0	62
7	0	1	322	137	57	247	358	310	230	27	4	110
8	0	1	328	149	187	297	364	199	222	24	12	91
9	7	2	315	208	207	308	306	224	358	28	42	50
10	17	2	265	275	251	260	256	327	312	34	38	32
11	10	2	292	272	224	151	236	291	287	26	33	33
12	7	2	151	285	201	86	238	276	302	24	43	46
13	12	2	53	291	184	116	261	216	284	24	28	37
14	7	2	73	279	124	183	296	210	232	168	28	31
15	5	2	65	275	140	227	338	185	173	358	30	23
16	2	2	56	282	151	143	362	274	122	366	28	22
17	1	2	103	55	171	113	348	260	92	205	30	22
18	1	22	176	93	205	133	333	190	66	97	30	17
19	0	86	238	74	82	238	307	138	45	101	31	18
20	0	118	276	175	74	285	109	317	26	62	32	16
21	0	196	261	223	93	262	289	317	22	45	33	11
22	0	223	271	140	87	251	310	338	233	38	35	13
23	0	300	285	129	102	254	149	317	270	46	29	14
24	0	338	306	168	100	279	266	299	163	28	33	41
25	0	250	305	187	115	274	283	197	80	28	30	176
26	0	328	332	151	151	292	256	150	244	34	31	303
27	3	293	330	168	203	262	215	131	207	33	31	317
28	14	362	342	171	190	250	192	114	89	22	31	228
29	2	355	285	213	—-	240	195	81	45	50	26	151
30	1	330	394	231	—-	229	258	69	34	240	31	163
31	1	.....	308	217	.....	212	.....	143	.....	320	36	.....
Mean	3	107	245	187	168	226	275	231	195	85	29	77
Max.	17	362	394	291	308	308	364	338	358	366	98	317
Min.	0	1	53	55	74	86	109	69	22	22	0	11
A. F.	179	6401	15106	11510	9348	13888	16406	14124	11631	5270	1819	4629

Water diverted 110311 A. F.

KEARNEY POWER RETURN

To Platte River—Sec. 12-8-16 W.

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	267	276	207	260	162	281	218	10	91	4
2	0	0	238	264	209	275	233	222	310	7	0	53
3	0	0	70	166	237	280	262	206	310	14	0	91
4	0	0	175	145	253	240	279	199	296	17	0	32
5	0	0	304	130	259	225	306	270	259	23	0	24
6	0	0	308	120	242	177	303	304	279	39	0	36
7	0	0	310	150	111	199	296	279	238	16	0	26
8	0	0	310	156	71	270	373	260	196	0	0	38
9	0	0	286	175	128	276	276	210	326	0	0	28
10	0	0	247	272	191	212	209	270	284	0	0	14
11	0	0	250	272	231	147	222	320	277	0	0	22
12	0	0	185	276	198	109	217	270	277	0	0	25
13	0	0	70	269	168	101	225	215	269	0	0	26
14	0	0	70	269	118	159	262	207	225	0	0	25
15	0	0	70	267	121	193	291	174	165	41	0	5
16	0	0	56	257	139	171	330	225	174	198	0	16
17	0	0	112	94	132	125	373	293	84	252	0	13
18	0	0	199	70	180	133	289	183	69	157	0	0
19	0	37	316	74	52	201	279	118	29	45	0	0
20	0	101	357	148	29	284	109	255	12	70	0	18
21	0	165	299	214	23	252	265	279	0	25	8	0
22	0	202	269	168	46	242	272	310	172	18	0	0
23	0	262	279	131	83	236	161	296	286	15	0	16
24	0	301	277	139	74	253	250	276	168	28	7	25
25	0	204	259	201	78	259	262	183	85	0	7	140
26	0	310	269	170	102	269	236	134	180	0	0	218
27	0	299	270	163	176	238	201	110	225	0	0	42
28	0	257	265	174	190	225	174	96	100	0	15	0
29	0	379	265	193	—-	212	180	38	63	0	0	0
30	0	299	264	210	—-	215	230	45	25	117	12	0
31	0	—-	292	199	—-	191	—-	112	—-	272	16	—-
Mean	0	93	232	187	144	214	251	214	187	44	5	31
Max.	0	379	357	276	259	284	373	320	325	272	91	218
Min.	0	0	56	70	23	101	109	38	0	0	0	0
A. F.	0	5586	14297	11524	8029	13149	14930	13170	11108	2705	309	1858

Total acre-feet 96665.

(See next page for summary in acre-feet of Kearney Canal.)

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

KEARNEY CANAL
SUMMARY IN ACRE-FEET

Month	Diverted from Elm Creek	Diverted from Buffalo Creek	Diverted from Platte River	Total Diverted	Spill into Cotton Mill Spillway	Spill into Kearney Power Return	†Net Diverted
October	26	4	149	179	*	0	179
November	18	22	6361	6401	*	5586	815
December	48	75	14983	15106	*	14297	809
January	14	28	11468	11510	*	11524	-14
February	69	153	9126	9348	*	8029	1319
March	34	117	13737	13888	*	13149	739
April	252	291	15863	16406	*	14930	1476
May	454	1158	12512	14124	*	13170	954
June	1521	1337	8773	11631	*	11108	523
July	196	1668	3406	5270	*	2705	2565
August	8	107	1704	1819	*	309	1510
September	474	2116	2039	4629	*	1858	2771
Total	3114	7076	100121	110311	*	96665	13646

Area reported 4600 acres.
Net diverted 13646 A. F., including storage.
Storage diverted 417 A. F.
*No record.
†Includes water used for irrigation, for Greenwood, Echo, and Kearney Lakes, and also water returned to the Platte River through Cotton Mill Spillway.

Acreage	Reported
D-1023	4600

KEITH-LINCOLN COUNTY CANAL
Diverted from North Platte River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	64	59	0	50	93	32	93
2	50	57	0	73	73	0	104
3	72	56	0	65	40	12	86
4	74	53	25	56	45	22	104
5	62	54	36	51	85	25	94
6	60	35	25	46	102	49	74
7	72	25	22	4	78	55	72
8	86	46	22	38	104	32	74
9	92	45	19	37	115	29	67
10	74	32	21	36	118	31	49
11	69	0	22	53	116	25	50
12	49	0	22	34	88	19	57
13	52	0	26	23	45	0	57
14	62	0	28	18	13	0	44
15	41	0	54	28	6	0	85
16	40	0	72	98	2	0	85
17	40	0	51	81	3	0	88
18	48	0	23	81	5	0	93
19	65	0	22	109	18	0	85
20	67	0	40	108	62	52	56
21	70	0	60	90	93	89	45
22	68	0	50	51	82	104	61
23	66	0	73	81	104	118	37
24	59	0	69	101	84	113	47
25	59	0	62	88	91	101	45
26	58	0	63	71	81	85	29
27	59	0	29	58	69	81	30
28	65	0	18	104	95	93	32
29	63	0	42	109	62	92	37
30	59	0	42	76	0	94	43
31	61	—	45	—	0	92	—
Mean	61	15	35	62	64	47	64
Max.	92	59	72	109	118	118	104
Min.	40	0	0	4	0	0	29
A. F.	3780	896	2148	3804	3911	2866	3814

Water diverted 21219 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

KEITH-LINCOLN COUNTY CANAL SPILL
To North Platte River—Sec. 23-14-34 W.

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	0	13	0	10	21	0	17
2	0	14	0	16	26	0	17
3	2	13	0	15	26	0	19
4	4	20	0	10	22	0	18
5	1	28	6	9	26	0	13
6	2	29	23	16	39	0	8
7	2	5	17	1	37	0	6
8	8	7	16	0	39	0	6
9	13	6	12	1	42	0	2
10	13	8	7	7	39	0	1
11	4	0	7	18	38	0	0
12	0	0	8	14	60	0	2
13	0	0	9	7	18	0	12
14	20	0	3	2	16	0	13
15	10	0	4	1	14	0	20
16	4	0	24	16	12	0	16
17	0	0	6	16	10	0	16
18	0	0	4	15	5	0	16
19	3	0	2	12	2	2	16
20	4	0	6	11	5	0	6
21	7	0	4	5	15	2	7
22	6	0	8	3	3	0	16
23	6	0	12	3	7	2	8
24	5	0	10	7	3	8	13
25	6	0	9	7	5	7	18
26	7	0	18	6	4	8	6
27	7	0	9	3	4	7	3
28	10	0	1	13	11	20	5
29	13	0	6	26	2	22	5
30	12	0	7	22	0	21	12
31	12	—	11	—	0	22	—
Mean	6	5	8	10	18	4	11
Max.	20	29	23	26	60	22	20
Min.	0	0	0	0	0	0	0
A. F.	369	284	494	579	1090	240	628

Total acre-feet 3684.

KEITH-LINCOLN COUNTY CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	3780	896	2148	3804	3911	2866	3814	21219
Spill into North Platte River	369	284	494	579	1090	240	628	3684
Net diverted	3411	612	1654	3225	2821	2626	3186	17535

Area reported 6119 acres.
Net diverted 17535 A. F.
Per acre 2.87 A. F.

Acreage	Reported
D-722	6119

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

KENT-BURKE CANAL
Diverted from Pawnee Creek

Day	May	June	July	Aug.	Sept.
1	4	4	*	*	*
2	*	*	1	*	0
3	4	4	*	*	*
4	4	*	*	0	*
5	2	4	*	*	*
6	2	*	*	*	*
7	*	*	*	*	*
8	2	5	1	*	*
9	*	*	*	*	*
10	*	*	*	*	*
11	*	*	1	0	*
12	*	*	*	*	1
13	*	*	*	*	*
14	*	*	*	*	*
15	0	*	*	0	*
16	*	*	1	*	2
17	1	*	*	*	2
18	*	*	1	*	*
19	1	*	*	0	*
20	*	*	*	*	*
21	2	*	1	*	*
22	*	*	*	*	*
23	2	*	*	*	*
24	1	*	1	*	*
25	1	*	*	*	*
26	*	*	*	*	*
27	2	*	*	*	*
28	0	*	*	*	*
29	*	*	*	*	*
30	1	2	*	0	*
31	*		0	*	
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	†130	†100	†50	0	†50

Area reported 410 acres
Estimated diversion 330 A. F.
Per acre 0.81 A. F.

Acreage	Reported
A-1694	410

*No record.
†Estimated.

KEYSTONE CANAL
Diverted from White Tail Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0		0	0	
Mean	0	0	0	0	0
Max.	0	0	0	0	0
Min.	0	0	0	0	0
A. F.	0	0	0	0	0

No diversion during 1941.

Acreage	Reported
D-730	*
A-662b	1945
A-843	320
A-1003	519
Total	2784

*No report filed.

KIMBALL CANAL, NORTH
Diverted from Lodgepole Creek and Oliver Reservoir

Day	May	June	July	Aug.	Sept.
1	0	0	22	12	20
2	0	0	11	13	20
3	0	0	11	11	27
4	0	13	12	0	11
5	0	12	11	0	0
6	0	15	11	0	0
7	0	17	11	0	0
8	0	23	28	20	0
9	0	23	26	17	0
10	0	0	24	18	0
11	0	0	25	16	0
12	0	0	23	16	0
13	0	0	16	17	0
14	0	0	12	13	0
15	0	0	10	11	0
16	0	0	0	8	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	22	0	0
22	0	0	25	0	0
23	0	0	26	0	0
24	0	24	26	0	0
25	0	27	21	0	0
26	0	30	17	0	0
27	0	30	17	0	0
28	0	29	12	0	0
29	0	29	13	0	0
30	0	24	15	0	0
31	0		18	20	
Mean	0	10	15	6	5
Max.	0	30	28	20	27
Min.	0	0	0	0	0
A. F.	0	587	922	381	155

Water diverted 2045 A. F.

KIMBALL CANAL, SOUTH
Diverted from Lodgepole Creek and Oliver Reservoir

Day	May	June	July	Aug.	Sept.
1	0	0	28	0	29
2	0	0	19	0	29
3	0	0	22	0	0
4	0	17	16	0	10
5	0	17	13	0	4
6	0	18	9	29	0
7	0	22	11	30	0
8	0	26	18	30	0
9	0	21	23	30	0
10	0	0	22	29	0
11	0	0	19	22	0
12	0	0	16	29	0
13	0	0	16	28	0
14	0	0	14	29	0
15	0	0	20	10	0
16	0	0	22	11	0
17	0	0	23	16	0
18	0	0	28	0	0
19	0	0	30	0	0
20	0	0	30	0	0
21	0	0	30	0	0
22	0	0	30	2	0
23	0	0	31	2	0
24	0	25	34	2	0
25	0	28	31	0	0
26	0	30	31	0	0
27	0	30	29	0	0
28	0	30	30	0	0
29	0	29	29	0	0
30	0	28	29	21	0
31	0		28	31	
Mean	0	10	24	11	2
Max.	0	30	34	31	29
Min.	0	0	9	0	0
A. F.	0	637	1450	696	143

Water diverted 2926 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

KIMBALL IRRIGATION DISTRICT CANALS
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from Lodgepole Creek and Oliver Reservoir:—						
North Canal	0	587	922	381	155	2045
South Canal	0	637	1450	696	143	2926
Total diverted	0	1224	2372	1077	298	4971

Area reported 4457 acres.
Net diverted 4971 A. F.
Per acre 1.11 A. F.

Acreage	Reported
A-897	4457

KINNEY CANAL, SOUTH
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	1	1	2	2
2	0	1	1	3	1
3	0	1	1	2	1
4	1	1	2	2	1
5	1	3	2	2	1
6	1	2	1	2	1
7	1	2	1	2	1
8	1	1	1	2	2
9	1	1	1	2	2
10	1	3	1	2	2
11	1	2	1	2	2
12	1	2	1	3	2
13	1	2	1	3	3
14	1	2	1	3	3
15	1	2	1	0	3
16	1	2	1	0	2
17	1	0	1	2	2
18	1	0	1	3	3
19	1	0	2	2	2
20	1	0	3	3	2
21	1	0	3	3	2
22	1	0	3	3	3
23	1	0	2	3	3
24	1	0	2	2	3
25	2	0	2	2	3
26	1	1	2	2	3
27	1	1	2	1	3
28	1	1	2	1	3
29	1	1	2	2	3
30	1	1	2	2	3
31	1	–	2	2	–
Mean	1	1	1	2	2
Max.	2	3	3	3	3
Min.	0	0	1	0	1
A. F.	58	65	97	129	127

Water diverted 476 A. F.

KINNEY CANAL, NORTH
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	1	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	1	1	0	0	0
7	1	0	0	0	0
8	1	1	0	0	0
9	0	1	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	1	0	1	0
16	0	1	0	1	0
17	0	1	0	0	0
18	0	1	0	0	0
19	0	1	0	0	0
20	0	1	0	0	0
21	0	1	0	0	0
22	0	1	0	0	0
23	0	1	0	0	0
24	0	1	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	–	0	0	–
Mean	0.1	0.5	0	0	0
Max.	1	1	0	1	0
Min.	0	0	0	0	0
A. F.	6	28	0	4	0

Water diverted 38 A. F.

KINNEY CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from Lodgepole Creek:—						
South Canal	58	65	97	129	127	476
North Canal	6	28	0	4	0	38
Total diverted	64	93	97	133	127	514

Area reported 412 acres.
Net diverted 514 A. F.
Per acre 1.25 A. F.

Acreage	Reported
D-345	135
D-348	182
D-350	41
A-718	54
A-1828	*
Total	412

*No report filed.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

KINGSLEY STORAGE RESERVOIR
Daily Contents in Acre-feet

Day	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.....	27410	56430	98890	105710	139830	75060	39510
2	.....	29580	57760	98270	105710	138250	72500	39510
3	.....	32350	59090	97650	106950	136070	70250	39510
4	.....	32620	60860	96470	106950	133900	68000	39510
5	.....	33450	62190	95880	106950	131720	65750	39510
6	.....	33730	63520	95880	108200	129540	63520	39180
7	.....	34000	64850	97060	110740	127360	61310	38850
8	.....	34280	66200	97650	111420	125910	59090	38526
9	2300	34610	67550	98980	112790	123730	56880	38200
10	5100	34610	68450	100130	114840	121000	54770	37870
11	7720	34610	69800	101990	116900	118260	52330	37550
12	9700	34610	70250	104470	119630	116210	49900	36890
13	11250	34610	72050	107570	123050	114840	47510	36890
14	12880	35260	73860	108200	128820	113480	45040	36890
15	14700	35910	75060	108820	136800	112110	42580	36570
16	16720	37220	76860	108820	143760	111420	40160	36570
17	18330	37870	78060	108200	149260	110740	38530	36570
18	19890	39180	80460	107570	153200	110060	37550	36240
19	21510	40160	83470	106950	155650	109440	36570	36240
20	21740	40810	86460	106330	158150	108200	36240	36240
21	21740	41870	88230	106330	159810	106950	35910	35330
22	21740	42930	89990	106330	159810	105710	35910	34030
23	22440	43990	91760	105710	158150	103850	35590	33120
24	23130	45040	92940	105710	156480	101990	35910	33730
25	23360	46100	94110	105090	153980	99510	36240	33730
26	24440	47160	94700	104470	152410	96470	36890	33670
27	25790	49490	95290	104470	150050	91170	37550	33180
28	26330	51120	96470	104470	147690	86460	38200	33980
29	.....	52740	97650	104470	145330	83470	38850	32620
30	.....	54770	98890	105090	142970	80460	39180	32710
31	.....	55580	.....	105710	.....	78060	39510	.....

Note:—February 9, 1941, was the beginning of this record.

LAMORE CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	..	0	0	..
Mean	0	0	0	0	0
Max.	0	0	0	0	0
Min.	0	0	0	0	0

No diversion during 1941.

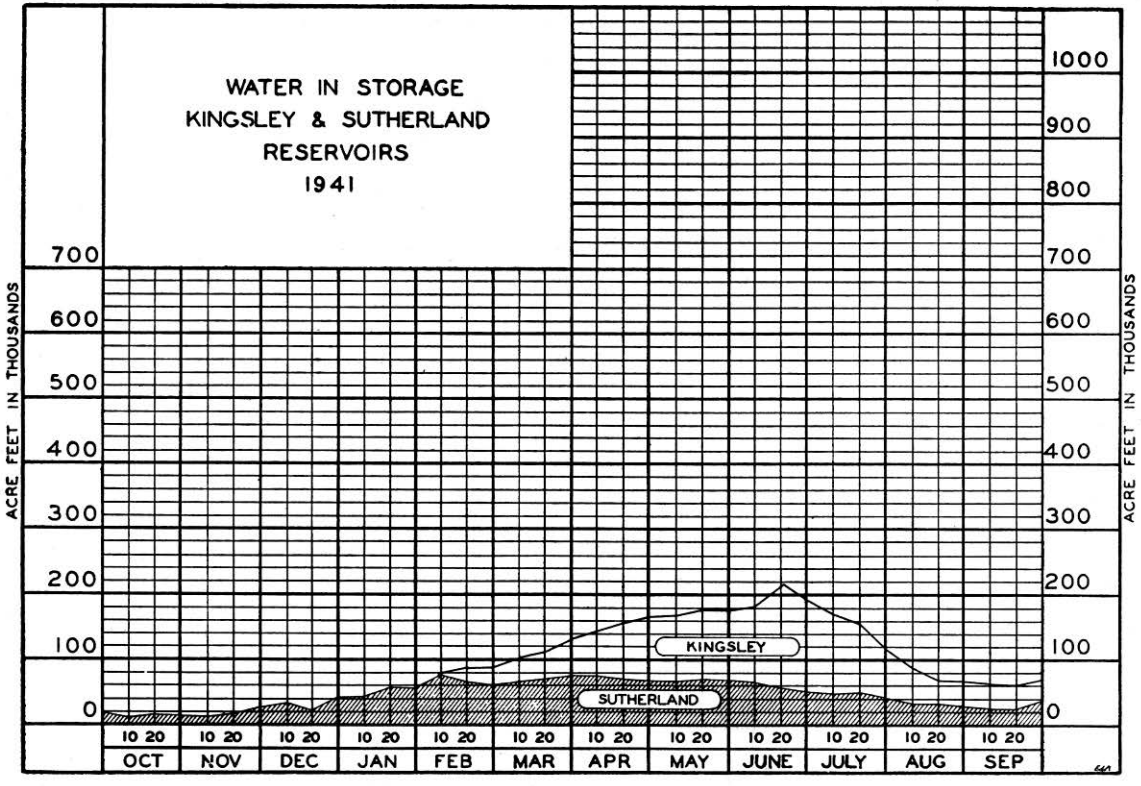
Acreage Reported
A-327 1400

LAST CHANCE CANAL
Diverted from Pumpkinseed Creek

Day	Apr.	May	June	July	Aug.	Sept.
1	0	0	6	7	0	6
2	8	0	2	4	0	8
3	8	0	6	2	2	7
4	8	0	6	2	6	4
5	8	0	6	0	6	0
6	8	0	6	0	7	0
7	8	0	6	0	7	0
8	8	0	4	0	7	4
9	6	0	3	0	2	8
10	4	4	5	0	0	8
11	4	6	2	0	0	8
12	2	6	0	0	0	8
13	2	4	0	0	8	8
14	0	4	0	0	3	8
15	0	3	0	0	0	8
16	0	4	0	0	0	8
17	0	3	0	0	4	8
18	0	3	0	0	10	6
19	0	0	6	0	7	2
20	0	4	0	0	6	3
21	0	8	0	0	10	3
22	0	8	0	0	9	3
23	0	7	0	0	2	4
24	0	7	0	0	5	8
25	0	7	0	0	4	7
26	0	8	0	0	5	7
27	0	8	7	0	5	7
28	0	8	8	0	5	7
29	0	8	6	0	4	7
30	0	8	3	2	5	7
31	..	3	..	7	4	..
Mean	2	4	3	1	4	6
Max.	8	8	8	7	10	8
Min.	0	0	0	0	0	0
A. F	*147	240	151	48	264	341

Area reported 405 acres.
Water diverted 1191 A. F.
Per acre 2.94 A. F.
*Estimated.

Acreage Reported
D-883 405


WATER IN STORAGE
KINGSLEY & SUTHERLAND
RESERVOIRS
1941
ACRE FEET IN THOUSANDS
0
100
200
300
400
500
600
700
800
900
1000
KINGSLEY
SUTHERLAND
10 20
OCT
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUNE
JULY
AUG
SEP

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

LISCO CANAL
Diverted from Cold Water Creek

Day	Oct.	May	June	July	Aug.	Sept.
1	3	4	3	3	3	3
2	3	4	3	3	3	3
3	3	4	3	3	3	3
4	3	4	3	3	3	3
5	3	4	3	3	3	3
6	3	4	4	3	3	3
7	3	4	4	3	3	3
8	3	4	4	3	3	3
9	3	4	1	3	3	3
10	3	4	4	3	3	3
11	3	4	1	3	3	3
12	3	0	1	3	3	3
13	3	0	1	3	3	3
14	3	0	1	3	3	3
15	3	0	1	3	3	3
16	3	0	1	3	3	3
17	3	0	1	3	3	3
18	3	0	1	3	4	3
19	3	3	1	3	3	3
20	3	2	1	3	3	3
21	3	2	2	3	3	3
22	3	2	3	3	3	3
23	3	3	3	3	3	3
24	3	3	3	3	3	3
25	3	3	3	3	3	3
26	3	3	3	3	3	3
27	3	3	3	3	3	3
28	3	3	3	3	3	3
29	3	3	3	3	3	3
30	3	3	2	3	3	3
31	3	3		3	3	
Mean	3	2	2	3	3	3
Max.	3	4	4	3	4	3
Min.	3	0	1	3	3	3
A. F.	184	151	139	184	186	178

Water diverted 1022 A. F.

LISCO CANAL
Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	0	0	22	28	24	6
2	3	0	24	24	34	11
3	18	0	32	17	24	20
4	18	0	28	0	21	22
5	10	0	16	21	27	21
6	6	0	6	29	23	21
7	19	0	10	32	21	19
8	27	0	7	32	19	18
9	27	0	0	28	18	19
10	26	0	0	26	18	14
11	24	0	0	20	17	10
12	23	0	0	4	17	9
13	22	4	0	0	17	9
14	6	14	0	6	16	10
15	9	11	0	14	17	15
16	14	13	0	12	16	18
17	13	10	0	10	18	19
18	13	10	0	10	21	20
19	12	7	6	17	18	15
20	15	8	14	17	12	13
21	17	13	13	18	12	23
22	16	15	12	20	6	5
23	10	14	7	21	6	0
24	6	17	20	16	9	0
25	22	19	18	16	7	0
26	21	20	16	15	5	8
27	23	24	16	14	2	16
28	0	33	24	20	3	16
29	0	26	22	26	4	16
30	0	18	24	22	6	16
31	0	22		18	7	
Mean	14	10	11	18	15	14
Max.	27	33	32	32	34	22
Min.	0	0	0	0	2	0
A. F.	833	591	668	1097	922	811

Water diverted 4922 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

LISCO CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River	833	591	668	1097	922	811	4922
Cold Water Creek	184	151	139	184	186	178	1022
Total diverted	1017	742	807	1281	1108	989	5944

Area reported 3645 acres.
Net diverted 5944 A. F.
Per acre 1.63 A. F.

Acreage	Reported
D-787	1103
D-796	300
D-856	1391
A-243R	635
A-991	216
Total	3645

LONERGAN CANAL
Diverted from Lonergan Creek

Day	May	June	July	Aug.	Sept.
1	0	1	1	0	0
2	1	1	1	0	0
3	1	1	1	0	0
4	1	1	1	0	0
5	1	1	1	0	0
6	1	1	1	0	0
7	1	1	1	0	0
8	1	1	0	0	0
9	1	1	0	0	0
10	1	1	0	0	0
11	1	1	0	0	0
12	1	0	0	0	0
13	1	0	0	0	0
14	1	0	0	0	0
15	1	0	0	0	0
16	1	0	0	0	0
17	1	0	0	0	0
18	1	0	0	0	0
19	1	0	0	0	0
20	1	1	0	0	0
21	1	0	0	0	0
22	1	1	0	0	0
23	1	1	0	0	0
24	1	1	0	0	0
25	1	1	0	0	0
26	1	1	0	0	0
27	1	1	0	0	0
28	1	1	0	0	0
29	1	1	0	0	0
30	1	1	0	0	0
31	1		0	0	
Mean	1	1	0.2	0	0
Max.	1	1	1	0	0
Min.	1	0	0	0	0
A. F.	60	42	14	0	0

Area reported 545 acres.
Water diverted 116 A. F.
Per acre 0.21 A. F.

Acreage	Reported
D 699 (1938)	545

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

LYONS CANAL

Diverted from North Platte River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	10	9	0	0	3	0	13
2	9	9	0	0	4	0	13
3	6	8	0	0	3	0	11
4	4	8	0	0	11	0	10
5	7	8	0	0	5	0	8
6	4	8	0	0	0	0	7
7	4	8	0	0	1	0	6
8	11	7	0	0	11	0	7
9	18	7	0	0	11	0	8
10	20	7	0	0	7	0	11
11	16	0	0	0	3	0	13
12	15	0	0	9	6	0	12
13	14	0	0	14	12	0	17
14	15	0	0	13	6	0	13
15	16	0	0	2	8	0	10
16	15	0	0	0	5	0	8
17	14	0	0	0	3	0	8
18	14	0	0	0	2	0	11
19	15	0	0	0	4	0	9
20	14	0	0	0	6	0	9
21	13	0	0	0	15	4	7
22	8	0	0	0	13	14	14
23	7	0	0	0	9	19	19
24	8	0	0	0	9	16	20
25	5	0	0	0	26	16	9
26	7	0	0	0	4	9	0
27	9	0	0	0	2	17	0
28	8	0	0	0	3	17	0
29	12	0	0	6	0	19	0
30	13	0	0	2	0	16	0
31	11		0		0	13	
Mean	11	3	0	1	6	5	9
Max.	20	9	0	14	26	19	20
Min.	4	0	0	0	0	0	0
A. F.	678	157	0	91	381	317	541

Acreage Reported
D-803 2250

Area reported 2250 acres.
Water diverted 2165 A. F.
Per acre 0.96 A. F.

McCARTHY CANAL

Diverted from White Tail Creek

Day	May	June	July	Aug.	Sept.
1	1	1	1	1	1
2	1	1	1	1	1
3	1	1	1	1	1
4	1	1	1	1	1
5	1	1	1	1	1
6	1	1	1	1	1
7	1	0	1	1	1
8	1	0	1	1	1
9	1	0	1	1	1
10	1	0	1	1	1
11	1	0	1	1	1
12	1	1	1	1	1
13	1	1	1	1	1
14	1	1	1	1	1
15	1	1	1	1	1
16	1	1	1	1	0
17	1	1	1	1	0
18	1	1	1	1	0
19	1	1	1	1	0
20	1	1	0	1	0
21	1	1	1	1	0
22	1	1	1	1	0
23	1	1	1	1	0
24	1	1	1	1	0
25	1	1	1	1	0
26	1	1	1	1	0
27	1	1	1	1	0
28	1	1	1	1	0
29	1	1	1	1	0
30	1	1	1	1	0
31	1		1	1	
Mean	1	1	1	1	0.5
Max.	1	1	1	1	1
Min.	1	0	0	1	0
A. F.	62	50	60	62	30

Area reported 70 acres.
Water diverted 264 A. F.
Per acre 3.77 A. F.

Acreage Reported
D-749 70

McINTOSH CANAL

Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	5	4	1	0	1
2	5	4	2	0	1
3	4	4	2	2	1
4	4	4	2	2	1
5	3	4	2	2	1
6	3	4	2	2	1
7	3	0	2	2	1
8	3	0	1	2	1
9	3	0	1	1	1
10	3	0	2	1	1
11	3	0	2	1	1
12	3	0	2	1	1
13	3	0	2	1	1
14	3	0	2	1	1
15	3	0	2	1	1
16	3	0	2	1	1
17	3	0	3	1	1
18	3	0	3	1	1
19	3	0	3	1	1
20	3	0	3	1	1
21	3	0	3	1	1
22	3	0	3	1	1
23	3	0	3	1	1
24	3	0	3	1	1
25	3	0	1	1	0
26	3	1	1	0	0
27	3	1	1	1	0
28	3	1	0	1	0
29	3	1	0	1	0
30	4	1	0	1	0
31	4		0	1	
Mean	3	1	2	1	1
Max.	5	4	3	2	1
Min.	3	0	0	0	0
A. F.	200	58	111	68	48

Area reported 298 acres.
Water diverted 485 A. F.
Per acre 1.63 A. F.

Acreage Reported
D-351 176
A-734 122
Total 298

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

McCLAIN CANAL
Diverted from Stinking Water Creek

Day	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*
2	*	*	*	*	*	*
3	*	*	*	*	*	*
4	*	*	*	*	*	*
5	*	*	*	3	0	0
6	*	*	*	*	*	*
7	*	*	*	*	*	*
8	*	*	*	*	*	*
9	*	*	*	*	0	*
10	*	*	*	*	*	*
11	*	*	*	*	*	0
12	*	*	*	*	*	*
13	*	*	0	*	*	*
14	*	*	*	*	*	*
15	*	*	*	*	0	*
16	*	*	*	*	*	*
17	*	*	*	0	*	0
18	*	*	*	*	*	*
19	*	*	*	*	*	*
20	*	0	*	*	*	*
21	*	*	*	*	0	*
22	*	*	*	*	*	*
23	*	*	*	*	*	0
24	0	*	*	*	0	*
25	*	*	*	*	*	*
26	*	*	*	*	*	*
27	*	*	*	*	*	*
28	*	*	*	*	*	*
29	*	0	*	0	*	*
30	*	*	*	*	*	0
31	—	*	—	*	*	—
Mean	*	*	*	*	*	*
Max.	*	*	*	*	*	*
Min.	*	*	*	*	*	*
A. F.	*	*	*	*	*	*

*No record.

Acreage	Reported
D-65	170

Water diverted—incomplete record.

MARANVILLE CANAL
Diverted from Frenchman River

Day	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*
4	0	*	*	*	*	*	*	*
5	*	*	*	*	*	*	0	0
6	*	*	*	*	*	*	*	*
7	*	0	*	*	*	*	*	*
8	0	*	*	*	*	*	*	*
9	*	*	*	*	*	*	0	*
10	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	0
12	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*
15	*	*	*	*	*	*	0	*
16	*	*	*	*	*	*	*	*
17	*	*	*	*	*	0	*	0
18	*	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*	*
20	*	*	*	0	*	*	*	*
21	*	*	*	*	*	*	0	*
22	*	*	*	*	*	*	*	*
23	*	*	*	*	*	*	*	0
24	0	*	0	*	*	*	0	*
25	*	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*	*
29	*	*	*	0	*	0	*	*
30	0	*	*	*	*	*	*	*
31	*			*		*	*	
Mean	*	—	—	*	—	*	*	—
Max.	*	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*	*
A. F.	*	*	*	*	*	*	*	*

Water diverted—incomplete record.
*No record.

Acreage	Reported
D-70	160
D-71	No report filed

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

MEEKER CANAL
Diverted from Republican River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	27	27	0	19	13	37	15
2	27	29	0	40	18	37	15
3	37	29	0	10	19	40	17
4	21	29	0	0	18	41	17
5	21	29	0	0	15	40	19
6	23	29	0	23	17	38	20
7	29	31	0	0	17	37	17
8	23	31	0	0	15	40	15
9	21	31	0	10	19	41	13
10	21	31	25	6	19	41	25
11	21	0	27	0	25	40	25
12	21	0	27	0	17	25	29
13	27	0	0	0	8	40	25
14	23	0	0	0	0	32	25
15	25	0	0	6	0	21	23
16	25	0	0	8	0	33	23
17	27	0	0	8	0	40	25
18	25	0	0	8	0	39	22
19	27	0	0	11	0	38	22
20	27	0	0	13	4	11	17
21	27	0	0	11	0	25	17
22	27	0	0	0	0	23	0
23	27	0	0	0	0	40	0
24	25	0	0	6	17	23	0
25	21	0	0	8	17	23	0
26	21	0	0	15	17	19	0
27	27	0	0	16	20	13	0
28	27	0	0	16	25	4	4
29	25	0	0	16	37	4	4
30	25	0	19	13	37	15	2
31	23		19		37	13	
Mean	25	10	4	8	14	29	15
Max.	27	31	27	40	37	41	29
Min.	21	0	0	0	0	4	0
A. F.	1533	587	232	522	855	1811	865

Acreage	Reported
D-4,-7, -8,-9	2870

Area reported 2870 acres.
Water diverted 6405 A. F.
Per acre 2.24 A. F.

MEREDITH-AMMER CANAL
Diverted from Pumpkinseed Creek

Day	May	June	July	Aug.	Sept.
1	0	8	9	10	7
2	0	9	9	10	7
3	0	10	3	9	8
4	0	10	0	10	6
5	0	10	0	12	4
6	0	9	0	12	4
7	0	9	1	12	4
8	0	6	4	12	4
9	6	1	4	11	3
10	6	1	7	11	1
11	7	1	10	4	1
12	7	0	4	0	1
13	7	0	1	7	1
14	8	0	1	10	1
15	6	0	2	10	1
16	1	0	2	10	1
17	6	0	2	11	1
18	11	0	4	10	1
19	12	0	6	10	1
20	12	7	5	10	1
21	9	7	7	10	1
22	13	8	10	10	1
23	14	6	10	10	2
24	13	7	10	7	2
25	15	8	10	7	2
26	13	7	10	8	2
27	15	6	9	8	2
28	9	5	7	8	2
29	9	5	9	7	2
30	10	7	9	7	1
31	9		9	7	
Mean	7	5	6	9	2.5
Max.	15	10	10	12	8
Min.	0	0	0	0	1
A. F.	432	292	345	555	149

Area reported 981 acres. Acreage
Water diverted 1773 A. F. Reported
Per acre 1.81 A. F. D-876 981

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 1
Diverted from Middle Loup River

Day	Oct.	June	July	Aug.	Sept.
1	22	0	24	29	27
2	22	1	24	31	29
3	22	5	24	31	28
4	22	13	24	29	29
5	22	15	24	30	28
6	22	15	23	31	26
7	23	18	26	31	24
8	22	19	28	31	24
9	21	19	29	31	21
10	20	16	31	30	18
11	20	17	30	31	16
12	20	18	33	31	17
13	19	18	30	30	18
14	19	18	28	30	18
15	19	18	27	30	18
16	20	20	25	30	18
17	20	23	28	30	16
18	20	23	30	31	15
19	20	27	30	30	15
20	20	31	30	30	14
21	20	30	30	26	14
22	21	28	33	28	11
23	21	26	33	17	14
24	20	26	32	27	14
25	21	25	32	23	12
26	22	25	32	28	10
27	23	25	31	27	7
28	24	24	32	25	2
29	24	25	33	25	0
30	23	26	34	26	0
31	9		31	26	
Mean	21	20	29	25	17
Max.	24	31	34	31	29
Min.	9	0	23	17	0
A. F.	1275	1178	1787	1755	998

Water diverted 6993 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 2

Diverted from Middle Loup River

Day	Oct.	May	June	July	Aug.	Sept.
1	23	0	20	21	63	28
2	23	0	16	20	57	25
3	22	0	12	19	57	22
4	21	0	16	20	56	21
5	21	0	21	19	56	17
6	22	0	22	17	52	16
7	19	0	22	20	56	16
8	17	0	21	23	56	17
9	16	0	19	32	58	16
10	16	0	17	39	53	13
11	16	0	16	45	49	13
12	15	0	17	46	50	13
13	15	0	17	43	50	14
14	15	0	15	40	50	15
15	15	0	14	25	46	16
16	13	0	15	22	48	15
17	14	0	18	22	56	16
18	15	0	17	20	60	14
19	15	0	17	23	60	14
20	16	0	16	34	54	13
21	17	0	19	42	48	14
22	18	0	14	44	44	5
23	21	0	16	45	33	0
24	21	0	16	46	29	0
25	20	0	16	50	26	0
26	18	0	19	58	25	0
27	17	0	19	65	25	0
28	17	0	20	65	24	0
29	17	8	21	64	22	0
30	15	22	22	67	24	0
31	7	19	—	66	27	—
Mean	17	2	18	37	46	12
Max.	23	22	22	67	63	28
Min.	7	0	12	17	22	0
A. F.	1065	97	1051	2305	2805	700

Water diverted 8023 A. F.

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 3

Diverted from Middle Loup River

Day	Oct.	May	June	July	Aug.	Sept.
1	22	0	51	38	99	51
2	21	0	43	35	94	51
3	21	0	32	35	95	40
4	21	0	31	35	97	42
5	20	0	38	35	96	39
6	19	0	42	32	96	37
7	19	0	44	37	100	36
8	19	0	47	39	103	35
9	19	0	29	43	100	30
10	16	0	46	46	102	23
11	14	0	46	49	102	22
12	14	0	45	56	99	22
13	14	0	39	60	100	22
14	10	0	27	50	98	23
15	14	0	20	48	96	20
16	14	0	25	45	94	17
17	21	0	26	45	93	22
18	22	0	29	44	91	24
19	21	20	27	44	82	22
20	21	21	37	44	68	21
21	18	16	40	51	67	20
22	13	13	50	57	63	24
23	9	19	44	66	61	22
24	11	22	40	72	58	21
25	14	24	40	95	58	21
26	16	30	38	101	56	20
27	19	33	34	107	55	20
28	19	34	32	113	54	22
29	13	34	32	110	54	21
30	8	37	36	108	53	24
31	3	46	—	107	50	—
Mean	16	11	27	60	82	27
Max.	22	46	51	113	103	51
Min.	3	0	20	32	50	17
A. F.	1002	692	2202	3664	5026	1615

Water diverted 14201 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 4
Diverted from Middle Loup River

Day	Oct.	May	June	July	Aug.	Sept.
1	27	0	46	31	104	43
2	27	0	39	29	101	46
3	25	0	34	31	97	39
4	23	0	34	32	96	40
5	24	0	35	32	95	37
6	24	0	39	36	96	33
7	19	0	42	38	101	32
8	17	0	44	43	101	32
9	14	0	45	47	101	27
10	14	0	34	54	105	20
11	15	0	28	55	101	18
12	14	0	29	59	100	20
13	14	0	26	59	99	19
14	18	0	25	51	98	20
15	16	0	21	51	97	20
16	13	0	22	52	95	26
17	12	0	24	55	96	26
18	14	0	26	61	97	26
19	14	0	25	63	102	25
20	13	0	25	76	76	24
21	14	0	29	87	68	24
22	18	0	33	88	62	29
23	21	20	30	90	61	28
24	19	25	29	90	61	29
25	19	24	29	93	62	22
26	19	30	30	93	60	18
27	19	40	29	96	57	17
28	21	41	30	100	47	17
29	23	38	31	99	42	17
30	19	37	32	103	41	17
31	6	42	...	104	41	...
Mean	18	10	32	64	83	26
Max.	27	42	46	104	105	46
Min.	6	0	21	29	41	17
A. F.	1101	589	1874	3963	5078	1569

Water diverted 14174 A. F.

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diversion:—							
Canal No. 1	1275	0	1178	1787	1755	998	6993
Canal No. 2	1065	97	1051	2305	2805	700	8023
Canal No. 3	1002	692	2202	3664	5026	1615	14201
Canal No. 4	1101	589	1874	3963	5078	1569	14174
Total diverted	4443	1378	6305	11719	14664	4882	43391
Return through spillways:—							
Canal No. 1	383	0	131	307	0	333	1154
Canal No. 2	605	12	204	319	567	506	2213
Canal No. 3	357	4	547	436	490	809	2633
Canal No. 4	16	2	409	246	323	460	1456
Total spill	1361	18	1291	1308	1370	2108	7456
Net diverted	3082	1360	5014	10411	13294	2774	35935

Area reported 24702 acres.
Net diverted 35935 A. F.
Per acre 1.45 A. F.

Acreage	Reported
A-2293	22429
A-2678	2273
Total	24702

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

MIDLAND-OVERLAND CANAL
Diverted from North Platte River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	14	7	0	16	9	3	8
2	14	7	0	14	13	14	8
3	14	7	0	13	13	13	7
4	12	7	0	13	13	14	6
5	12	6	0	14	10	14	4
6	12	6	4	10	5	10	6
7	11	6	5	3	5	8	6
8	11	6	6	0	6	4	7
9	12	6	5	0	10	0	8
10	12	6	0	0	14	0	7
11	12	6	0	0	12	0	8
12	12	5	0	0	6	0	9
13	12	5	0	0	3	0	9
14	12	5	0	2	3	0	9
15	12	5	0	2	3	0	9
16	12	5	0	2	3	0	9
17	11	5	0	2	2	0	9
18	11	5	0	2	1	0	9
19	10	5	0	3	3	0	8
20	10	4	0	4	0	9	9
21	9	4	0	11	0	9	9
22	9	4	0	8	0	9	10
23	8	4	0	8	7	10	11
24	8	4	8	8	5	11	10
25	8	4	11	9	0	10	10
26	8	4	13	10	8	10	9
27	8	3	16	10	9	10	8
28	8	3	16	9	9	10	8
29	8	3	16	9	9	10	7
30	7	3	16	8	11	9	9
31	7		16		3	8	
Mean	11	5	4	6	6	6	8
Max.	14	7	16	16	14	14	11
Min.	7	3	0	0	0	0	4
A. F.	647	298	262	377	363	387	488

Acreage	Reported
D-789	991
D-791	795
Total	1786

Area reported 1786 acres.
Water diverted 2822 A. F.
Per acre 1.58 A. F.

MINATARE CANAL
Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	30	0	98	63	68	43
2	6	0	84	67	63	42
3	0	0	87	63	54	48
4	0	0	89	63	47	47
5	0	0	95	63	52	51
6	0	0	95	61	59	67
7	0	35	100	57	65	55
8	0	37	104	83	63	45
9	0	39	93	86	61	49
10	0	39	34	80	81	46
11	0	26	37	77	75	44
12	0	69	0	77	65	43
13	0	70	0	73	66	48
14	0	75	0	72	75	52
15	0	70	0	71	87	43
16	0	74	0	81	81	47
17	0	82	0	89	78	43
18	0	88	0	87	73	59
19	0	87	0	78	71	65
20	0	87	0	71	63	69
21	0	79	0	75	59	53
22	0	77	32	67	61	33
23	0	75	58	76	64	37
24	0	71	51	76	55	37
25	0	70	78	75	49	38
26	0	74	83	77	49	33
27	0	79	55	73	52	0
28	0	77	67	67	53	0
29	0	79	66	78	51	0
30	0	83	55	83	51	0
31	0	88		85	50	
Mean	1	56	49	74	62	41
Max.	30	88	104	89	87	69
Min.	0	0	0	57	47	0
A. F.	71	3433	2898	4550	3850	2454

Water diverted 17256 A. F.

MINATARE CANAL SPILL
To North Platte River
McGrew Spillway—Sec. 21-21-53 W.

Day	May	June	July	Aug.	Sept.
1	0	8	11	24	21
2	0	18	11	21	13
3	0	21	21	18	17
4	0	20	18	10	18
5	0	5	21	6	11
6	0	0	16	3	19
7	0	17	18	0	28
8	22	25	15	14	22
9	20	38	7	5	26
10	12	40	0	0	24
11	12	0	0	10	25
12	25	13	9	0	24
13	8	0	13	5	18
14	0	0	8	11	26
15	0	0	12	13	28
16	0	0	13	0	11
17	0	0	0	24	9
18	0	0	0	26	15
19	0	0	0	16	16
20	0	0	0	15	3
21	0	0	20	26	13
22	0	0	0	25	29
23	0	22	11	25	28
24	0	23	5	30	26
25	0	10	6	28	25
26	12	26	14	25	24
27	12	8	20	24	22
28	13	18	13	25	25
29	0	22	14	26	0
30	0	19	22	15	0
31	5		25	13	
Mean	5	12	11	16	19
Max.	25	40	25	30	28
Min.	0	0	0	0	0
A. F.	280	700	680	958	1123

Total acre-feet 3741.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

MINATARE CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	71	3433	2898	4550	3850	2454	17256
Spill into North Platte River	0	280	700	680	958	1123	3741
Net diverted	71	3153	2198	3870	2892	1331	13515

Area reported 6949 acres.
Net diverted 13515 A. F.
Per acre 1.95 A. F.

Acreage	Reported
D-919	6949

MITCHELL CANAL
Diverted from North Platte River

Day	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	1.9	138	101	70	197	194	4	190
2	1.9	138	89	72	194	193	4	191
3	1.9	139	86	74	194	193	4	191
4	1.9	141	103	74	194	193	68	130
5	1.9	143	56	91	193	190	158	72
6	1.9	140	49	96	193	193	12	13
7	1.9	139	46	97	193	194	8	10
8	91	145	28	115	184	191	6	8
9	83	148	22	127	133	195	99	6.1
10	64	82	22	142	44	194	195	6.1
11	59	10	26	149	49	173	198	6.1
12	59	8	57	171	42	139	42	6.1
13	55	6	58	180	43	139	143	6.1
14	56	2	32	188	38	138	199	21
15	68	2	27	196	34	133	200	82
16	70	2	28	200	34	132	199	78
17	73	2	28	202	34	138	198	79
18	82	2	27	202	44	146	71	78
19	87	2	26	204	54	149	137	81
20	90	45	26	202	55	148	191	100
21	97	41	43	204	54	147	190	106
22	109	42	35	205	111	150	190	107
23	116	44	43	205	129	149	190	103
24	120	46	51	205	135	149	191	101
25	124	48	52	206	149	150	191	97
26	135	46	51	202	177	150	194	90
27	140	60	54	202	180	150	193	82
28	141	34	60	202	189	149	188	82
29	141	5	60	201	194	88	185	80
30	138	4	65	196	194	10	178	74
31	139	—	—	195	—	5	184	—
Mean	75.8	60.1	48.4	164	122	150	136	75.9
Max.	141	148	103	205	197	195	200	191
Min.	1.9	2	22	70	34	5	4	6.1
A. F.	4660	3580	2880	10060	7260	9250	8350	4520

Area reported 13542 acres.
Water diverted 50560 A. F.
Per acre 3.70 A. F.

Acreage	Reported
D-1052	13542

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

MUTUAL CANAL
Diverted from Pumpkinseed Creek

Day	Oct.	May	June	July	Aug.	Sept.
1	2	0	2	5	0	3
2	2	0	2	5	0	3
3	2	0	2	0	0	3
4	2	0	2	2	4	3
5	1	0	2	2	4	3
6	1	0	2	2	3	3
7	1	0	2	2	3	3
8	*	0	2	1	2	3
9	*	0	2	1	2	3
10	*	0	3	2	2	3
11	*	0	2	1	3	3
12	*	0	2	2	3	3
13	*	0	2	2	2	3
14	*	0	1	2	2	2
15	*	0	1	2	2	3
16	*	3	1	2	2	3
17	*	3	1	2	2	2
18	*	2	1	2	2	3
19	*	2	1	2	2	2
20	*	2	1	2	3	2
21	*	2	1	2	4	1
22	*	2	1	2	3	2
23	*	4	1	0	3	2
24	*	3	3	0	4	2
25	*	3	3	0	3	2
26	*	0	3	0	4	2
27	*	8	6	0	3	2
28	*	8	6	0	3	2
29	*	8	5	0	3	2
30	*	5	5	0	3	0
31	*	6		0	3	
Mean	0.4	2	2	1.4	2.5	2.4
Max.	2	8	6	5	4	3
Min.	0	0	1	0	0	0
A. F.	22	121	135	89	157	145

*No record.

Acreage	Reported
D-843	455

Area reported 455 acres.
Water diverted 669 A. F.
Per acre 1.47 A. F.

NEWTON CANAL
Diverted from North Loup River

Day	Oct.	May	June	July	Aug.	Sept.
1	*	*	2	15	26	15
2	*	*	16	16	20	17
3	*	*	17	16	20	17
4	*	*	14	16	16	16
5	*	*	14	16	17	16
6	*	*	11	16	19	16
7	*	*	11	16	15	15
8	*	*	5	15	14	16
9	*	*	16	16	14	12
10	27	*	16	16	12	12
11	*	*	14	16	20	12
12	*	*	6	17	19	12
13	*	*	6	20	22	12
14	*	*	6	17	22	10
15	*	*	5	16	21	9
16	*	*	11	12	16	9
17	*	*	10	11	20	9
18	*	*	11	11	33	10
19	*	15	11	9	26	10
20	*	16	10	4	33	11
21	*	16	14	4	30	10
22	*	13	15	22	27	10
23	*	11	14	26	25	22
24	*	9	14	26	21	16
25	*	9	12	22	20	11
26	*	9	12	20	21	9
27	*	10	11	21	20	9
28	*	10	11	22	20	5
29	*	11	12	24	20	5
30	*	11	13	26	19	6
31	*	11		30	18	
Mean	*	*	11	17	21	12
Max.	*	*	17	30	33	17
Min.	*	*	2	4	16	5
A. F.	*	300	674	1059	1281	712

*No record.

Acreage	Reported
A-2263	1349
A-2863	†
A-2927	120
Total	1469

†No report filed.

Area reported 1469 acres.
Water diverted—incomplete record—4026 A. F.
Per acre 2.84 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

NINE MILE CANAL
Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	85	0	37	64	66	34
2	70	0	85	64	65	38
3	69	0	97	62	62	48
4	77	0	90	57	60	46
5	67	0	94	62	57	45
6	53	0	87	62	55	44
7	51	0	83	65	58	44
8	55	0	96	67	60	44
9	56	0	37	67	58	39
10	55	0	0	68	65	41
11	54	0	0	76	73	42
12	55	17	0	78	65	41
13	18	65	0	78	54	40
14	0	75	0	65	62	40
15	0	87	0	61	68	39
16	0	98	0	65	67	36
17	0	81	0	65	66	30
18	0	78	0	66	60	29
19	0	66	0	62	46	31
20	0	76	0	60	47	35
21	0	67	0	64	37	40
22	0	60	0	67	32	39
23	0	58	20	76	28	40
24	0	61	86	60	23	33
25	0	53	72	60	47	30
26	0	47	0	53	56	29
27	0	33	0	53	46	32
28	0	28	18	63	42	28
29	0	32	72	61	44	28
30	0	33	60	61	40	28
31	0	34	—	64	37	—
Mean	25	37	35	65	53	37
Max.	85	98	97	78	73	48
Min.	0	0	0	53	23	28
A. F.	1518	2280	2051	3960	3264	2208

Area reported 5878 acres. Acreage
Water diverted 15281 A. F. Reported
Per acre 2.60 A. F. D-925 5878

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
TAYLOR-ORD CANAL
Diverted from North Loup River

Day	Oct.	May	June	July	Aug.	Sept.
1	125	0	88	88	178	130
2	120	0	107	88	180	118
3	120	0	104	90	177	117
4	126	0	106	88	175	108
5	121	0	106	88	172	108
6	120	0	101	88	175	109
7	116	0	98	88	178	108
8	120	0	106	86	179	108
9	118	0	101	88	178	101
10	102	0	89	93	174	79
11	101	0	87	88	170	81
12	96	0	84	90	164	88
13	95	0	84	83	160	95
14	93	0	75	84	149	85
15	93	21	77	104	144	84
16	91	20	77	101	141	80
17	93	2	77	127	128	76
18	91	0	76	125	132	75
19	89	0	77	131	130	70
20	89	0	81	138	125	61
21	89	11	88	142	125	63
22	88	54	97	127	131	81
23	86	60	101	120	134	68
24	87	63	102	131	134	67
25	88	63	101	160	130	62
26	87	62	98	174	127	67
27	86	64	100	174	127	64
28	81	69	89	174	127	64
29	64	93	84	174	127	60
30	37	81	88	173	132	66
31	0	82	—	177	130	—
Mean	94	24	92	119	149	126
Max.	126	93	106	177	180	130
Min.	0	0	75	86	125	61
A. F.	5776	1478	5453	7303	9190	5044

Water diverted 34244 A. F.

NISSEN CANAL
Diverted from Sand Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	—	0	0	—
Mean	0	0	0	0	0
Max.	0	0	0	0	0
Min.	0	0	0	0	0
A. F.	0	0	0	0	0

Water diverted during 1941. Acreage A-606 Reported No report filed

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
BURWELL-SUMTER CANAL
Diverted from North Loup River

Day	Oct.	May	June	July	Aug.	Sept.
1	60	0	30	37	114	64
2	61	0	51	39	112	57
3	63	0	40	38	108	56
4	62	0	46	37	113	56
5	63	0	44	38	116	45
6	58	0	46	37	115	45
7	52	0	42	38	119	50
8	52	0	43	39	115	45
9	49	0	46	38	110	35
10	49	0	42	39	101	38
11	50	0	39	34	97	38
12	51	0	34	39	86	36
13	52	0	33	40	85	36
14	52	0	29	44	105	35
15	53	0	30	60	95	32
16	55	0	31	49	89	30
17	53	0	30	61	85	29
18	55	0	30	68	83	27
19	54	0	32	71	81	17
20	49	0	33	78	73	25
21	50	0	34	79	70	24
22	50	0	39	71	67	29
23	50	0	39	70	62	26
24	50	0	40	85	59	30
25	50	0	40	92	59	26
26	51	18	41	96	61	27
27	51	21	40	95	59	25
28	51	24	37	104	59	25
29	50	27	39	106	62	25
30	24	25	38	104	64	26
31	0	30	....	110	63	....
Mean	51	5	38	62	87	35
Max.	63	30	51	110	119	64
Min.	0	0	30	34	59	17
A. F.	3114	288	2257	3840	5330	2100

Water diverted 16929 A. F.

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
ORD-NORTH LOUP CANAL
Diverted from North Loup River

Day	Oct.	May	June	July	Aug.	Sept.
1	45	0	37	32	120	63
2	46	0	38	32	120	55
3	44	0	20	32	116	64
4	43	0	35	33	116	52
5	43	0	35	32	116	39
6	33	0	36	32	116	37
7	38	0	33	33	116	39
8	28	0	35	35	119	35
9	23	0	34	38	116	34
10	26	0	31	33	108	31
11	33	0	29	33	86	31
12	28	0	27	34	79	32
13	30	0	28	34	73	31
14	33	0	25	37	69	32
15	34	12	26	53	73	26
16	33	10	26	56	70	8
17	33	27	25	65	69	19
18	33	27	19	70	69	22
19	34	27	25	72	71	21
20	34	8	29	74	73	19
21	34	19	29	77	68	22
22	38	23	20	65	66	19
23	38	25	29	65	63	18
24	41	25	29	72	64	26
25	43	25	30	85	65	15
26	43	25	31	114	54	17
27	43	26	30	116	58	18
28	44	30	31	113	61	16
29	38	37	32	114	62	17
30	27	37	32	115	44	16
31	5	33	....	115	63	....
Mean	35	13	30	62	83	29
Max.	46	37	38	116	119	64
Min.	5	0	19	32	44	8
A. F.	2158	824	1760	3790	5090	1735

Water diverted 15357 A. F.

(See next page for summary of North Loup River Public Power and Irrigation District.)

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diversion:—							
Taylor-Ord Canal	5776	1478	5453	7303	9190	5044	34244
Burwell-Sumter Canal	3114	288	2257	3840	5330	2100	16929
Ord-North Loup Canal	2158	824	1760	3790	5090	1735	15357
Total diverted	11048	2590	9470	14933	19610	8879	66530
*Return through spillways:—							
Taylor-Ord Canal	139	98	987	381	0	385	1990
Burwell-Sumter Canal	315	83	659	332	24	123	1536
Ord-North Loup Canal	31	113	666	210	121	359	1500
Total spill	485	294	2312	923	145	867	5026
Net diverted	10563	2296	7158	14010	19465	8012	61504

Area reported 24182 acres.
Net diverted 61504 A. F.
Per acre 2.54 A. F.
*Includes flow through intermediate spillways.

Acreage	Reported
A-2312	24182
A-2417	

NORTH PLATTE CANAL
Diverted from North Platte River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	112	39	0	156	155	197	138
2	132	39	0	150	134	190	130
3	98	21	0	161	83	204	148
4	104	20	0	165	57	197	163
5	100	20	0	169	65	204	154
6	75	25	0	124	52	182	142
7	75	30	0	102	69	218	120
8	74	37	0	93	78	206	144
9	71	37	0	91	87	222	154
10	69	30	0	91	96	210	148
11	69	0	0	87	128	193	142
12	69	0	0	71	81	190	130
13	38	0	0	65	31	180	124
14	26	0	0	62	42	169	134
15	17	0	0	55	53	165	136
16	29	0	0	65	55	177	136
17	19	0	0	110	52	159	132
18	21	0	0	122	41	146	159
19	67	0	0	132	32	182	156
20	49	0	0	195	32	195	98
21	49	0	9	184	87	184	69
22	49	0	57	188	106	169	69
23	47	0	167	178	89	177	67
24	47	0	175	167	116	165	67
25	46	0	180	193	118	167	65
26	44	0	175	165	124	104	64
27	44	0	175	126	144	100	60
28	45	0	132	114	136	148	57
29	47	0	144	114	215	148	53
30	47	0	169	124	222	138	46
31	45	—	161	—	220	128	—
Mean	59	10	49	127	97	175	113
Max.	132	39	180	195	222	222	163
Min.	17	0	0	55	31	100	46
A. F.	3618	591	3063	7575	5950	10739	6754

Water diverted 38290 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

NORTH PLATTE CANAL SPILL
To North Platte River
Cooks Spillway—Sec. 26-14-31 W.

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	12	0	0	0	0	1	0
2	20	4	0	0	3	0	0
3	7	12	0	0	0	0	0
4	16	0	0	0	0	0	0
5	34	0	0	0	0	0	0
6	28	0	0	0	0	1	0
7	22	0	0	0	12	0	0
8	21	0	0	0	0	0	0
9	27	0	0	0	0	0	0
10	23	0	0	6	16	0	0
11	22	0	0	10	0	0	0
12	30	0	0	14	1	0	0
13	17	0	0	12	0	0	1
14	16	0	0	0	0	0	6
15	2	0	0	0	0	0	0
16	2	0	0	0	0	0	0
17	18	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
20	23	0	0	0	0	0	0
21	28	0	0	0	18	0	0
22	20	0	0	6	0	0	0
23	8	0	34	0	0	0	0
24	6	0	0	0	0	0	20
25	0	0	0	8	0	0	16
26	0	0	0	1	0	0	12
27	19	0	6	2	0	0	15
28	15	0	0	2	0	0	14
29	5	0	0	3	0	0	14
30	5	0	0	2	0	0	16
31	4	—	0	—	0	0	—
Mean	14	0.5	1	2	2	0	4
Max.	34	12	34	14	18	1	20
Min.	0	0	0	0	0	0	0
A. F.	893	32	79	131	99	4	226

Total acre-feet 1464.

NORTH PLATTE CANAL SPILL
To Scout Creek—
Sec. 24-14-31 W.

Day	May	June	July	Aug.	Sept.
1	0	10	12	11	0
2	0	10	2	0	0
3	0	4	10	0	0
4	0	0	0	0	0
5	0	18	12	0	0
6	0	8	4	1	0
7	0	0	4	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	11	0	0	0
11	0	11	0	0	0
12	0	9	11	0	0
13	0	9	0	0	0
14	0	8	0	0	4
15	0	6	0	0	4
16	0	0	0	0	0
17	0	11	9	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	14	0	4	0
23	0	0	0	3	0
24	0	0	0	0	8
25	9	8	0	12	8
26	0	12	0	16	9
27	11	18	0	0	8
28	4	10	0	15	10
29	8	11	0	0	8
30	0	3	0	0	9
31	0	—	0	0	—
Mean	1	6	2	2	2
Max.	11	18	12	16	10
Min.	0	0	0	0	0
A. F.	63	379	127	123	135

Total acre-feet 827.

(See next page for summary in acre-feet of North Platte Canal.)

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

NORTH PLATTE CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River...	3618	591	3063	7575	5950	10739	6754	38290
Spill into:—								
Scout Creek	*	*	63	379	127	123	135	827
Cooks Spillway	893	32	79	131	99	4	226	1464
Total spill	893	32	142	510	226	127	361	2291
Net diverted	2725	559	2921	7065	5724	10612	6393	35999

Area reported 13905 acres.
Net diverted 35999 A. F.
Per acre 2.58 A. F.
*No record.

Acreage	Reported
D-635	13905

NORTHPORT CANAL
Diverted from North Platte River and Pathfinder Reservoir
Measured at Tri-State Rating Flume

Day	May	June	July	Aug.	Sept.
1	0	224	230	292	159
2	0	219	212	300	160
3	0	230	204	286	159
4	0	230	193	218	160
5	0	229	160	275	166
6	0	220	142	308	157
7	78	207	132	292	180
8	156	189	129	284	187
9	114	57	153	290	173
10	93	0	190	240	173
11	114	0	207	258	189
12	143	151	230	288	173
13	146	210	218	284	166
14	44	173	149	288	174
15	0	139	149	296	183
16	0	144	152	236	203
17	0	182	141	176	189
18	0	157	156	167	190
19	0	84	134	159	206
20	0	54	184	169	194
21	0	109	230	174	190
22	0	139	260	172	179
23	0	82	255	160	193
24	0	34	284	164	195
25	0	67	285	163	212
26	0	114	202	157	210
27	0	196	208	153	200
28	0	218	302	156	215
29	233	226	298	159	186
30	249	230	304	160	173
31	224	.....	294	159	.....
Mean	52	153	212	222	183
Max.	249	230	304	308	215
Min.	0	0	129	153	157
A. F.	3162	8955	13026	13652	10897

Area reported 16123 acres.
Water diverted 49692 A. F., including storage.
Per Acre 3.08 A. F.
Storage water diverted 29072 A. F.

Acreage	Reported
A-768	16123

NORTH RIVER CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	..	0	0	..
Mean	0	0	0	0	0
Max.	0	0	0	0	0
Min.	0	0	0	0	0
A. F.	0	0	0	0	0

No water diverted during 1941.

Acreage	Reported
D-787R	394
D-801R	*
A-243	*

*No report filed

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

NUTZMAN PUMP
Diverted from Stinking Water Creek

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	0	1	0
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	0	*
10	*	*	2	*	*
11	*	*	*	*	0
12	*	*	*	*	*
13	*	0	*	*	*
14	*	*	*	*	*
15	*	*	*	0	*
16	*	*	*	*	*
17	*	*	*	*	0
18	*	*	*	*	*
19	*	*	*	*	*
20	*	*	*	0	*
21	*	*	*	*	*
22	*	*	*	*	*
23	*	*	*	*	0
24	*	*	*	0	*
25	*	*	*	*	*
26	*	*	*	0	*
27	*	*	*	*	*
28	*	*	*	*	*
29	0	*	0	*	*
30	*	*	*	*	0
31	*		*	*	
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	*	*	*	*	*

Water diverted—incomplete record.

*No record.

	Acreage	Reported
	A-2981	67
	A-3136	25
Total		92

OLIVER PUMP
Diverted from Frenchman River

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	0	0	0
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	0	*
10	*	*	0	*	*
11	*	*	*	*	0
12	*	*	*	*	*
13	*	0	*	*	*
14	*	*	*	*	*
15	*	*	*	0	*
16	*	*	*	*	*
17	*	*	0	*	0
18	*	*	*	*	*
19	*	*	*	*	*
20	0	0	*	*	*
21	*	*	*	0	*
22	*	*	*	*	*
23	*	*	*	*	0
24	*	*	*	0	*
25	*	*	*	*	*
26	*	*	*	0	*
27	*	*	*	*	*
28	*	*	*	*	*
29	0	*	0	*	*
30	*	*	*	*	0
31	*		*	*	
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	*	*	*	*	*

*No record.

	Acreage	Reported
	A-1285	156

OLIVER BROTHERS PUMP
Diverted from Frenchman River

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	0	2	2
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	0	*
10	*	*	2	*	*
11	*	*	*	*	*
12	*	*	*	*	*
13	*	0	*	*	*
14	*	*	*	*	*
15	*	*	*	0	*
16	*	*	*	*	*
17	*	*	0	*	0
18	*	*	*	*	*
19	*	*	*	*	*
20	0	0	*	*	*
21	*	*	*	0	*
22	*	*	0	*	*
23	*	*	*	*	0
24	*	*	*	0	*
25	*	*	*	*	*
26	*	*	*	0	*
27	*	*	*	*	*
28	*	*	*	*	*
29	0	*	0	*	*
30	*	*	*	*	0
31	*		*	*	
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	*	*	*	*	*

Water diverted—incomplete record.

*No record.

	Acreage	Reported
	A-2858	25

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

OLIVER RESERVOIR—KIMBALL IRRIGATION DISTRICT

Lodgepole Creek, Storage in Acre-feet

Date	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.....	1275	.....	.....	2375	2760	.....	.....	.....	.....	.....	.....
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1550	.....
3	.....	.....	.....	.....	.....	.....	.....	3470	.....	.....	.....	.....
4	.....	.....	.....	2070	.....	.....	.....	.....	.....	.....	.....	.....
5	775	.....	.....	.....	.....	.....	3200	.....	.....	.....	.....	.....
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	320
7	.....	.....	1730	.....	.....	.....	.....	.....	3080	.....	.....	.....
8	.....	.....	.....	.....	2475	2815	.....	.....	.....	.....	.....	.....
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1030	.....
10	.....	.....	.....	.....	.....	.....	.....	3635	.....	.....	.....	.....
11	.....	.....	.....	2150	.....	.....	.....	.....	.....	.....	.....	.....
12	890	1350	.....	.....	.....	.....	3260	.....	.....	3170	.....	.....
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	480
14	.....	.....	1830	.....	.....	.....	.....	.....	4800	.....	.....	.....
15	.....	.....	.....	.....	2575	2900	.....	.....	.....	.....	.....	.....
16	.....	1450	.....	.....	.....	.....	.....	.....	.....	.....	495	.....
17	.....	.....	.....	.....	.....	.....	.....	3635	.....	.....	.....	.....
18	.....	.....	.....	2240	.....	.....	.....	.....	.....	.....	.....	.....
19	985	.....	.....	.....	.....	.....	3350	.....	.....	2735	.....	.....
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	520
21	.....	.....	1890	.....	.....	.....	.....	.....	4870	.....	.....	.....
22	.....	.....	.....	.....	2780	2995	.....	.....	.....	.....	730	.....
23	.....	1585	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	.....	.....	.....	.....	.....	.....	.....	3570	.....	.....	.....	.....
25	.....	.....	.....	2330	.....	.....	.....	.....	.....	.....	.....	.....
26	.....	.....	.....	.....	.....	.....	3380	.....	.....	1930	.....	.....
27	1140	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	635
28	.....	.....	1950	.....	.....	.....	.....	.....	3995	.....	.....	.....
29	.....	.....	.....	.....	.....	3080	.....	.....	.....	.....	.....	.....
30	.....	1640	.....	.....	.....	.....	.....	.....	.....	.....	875	.....
31	.....	.....	.....	.....	.....	.....	.....	3570	.....	.....	.....	.....

ORCHARD-ALFALFA CANAL

Diverted from Platte River and Sutherland Reservoir

Day	Oct.	Nov.	Dec.	May	June	July	Aug.	Sept.
1	0	61	30	0	30	31	0	69
2	0	57	55	0	25	29	0	66
3	0	62	58	0	30	25	0	60
4	0	62	76	0	29	29	0	48
5	0	67	58	0	27	27	0	52
6	0	60	54	0	27	23	0	58
7	28	56	44	0	23	18	0	44
8	35	59	18	0	23	39	53	50
9	32	16	41	0	19	61	68	54
10	41	0	4	10	20	49	60	49
11	51	0	0	12	19	0	53	49
12	55	0	0	12	18	0	57	50
13	50	0	0	15	19	0	56	46
14	43	0	0	11	18	0	67	34
15	46	0	0	15	19	0	78	43
16	39	0	0	20	19	0	78	43
17	38	0	0	21	18	0	97	27
18	39	0	0	24	18	0	96	30
19	44	69	0	24	19	0	78	36
20	44	52	0	24	7	0	61	33
21	69	48	0	15	6	17	42	28
22	35	52	0	20	16	34	33	13
23	60	52	0	26	34	32	14	2
24	75	50	0	27	27	44	0	0
25	87	38	0	26	24	50	14	0
26	84	35	0	22	35	25	62	0
27	88	71	0	27	45	0	67	0
28	91	31	0	24	41	0	64	0
29	93	45	0	25	41	0	65	0
30	90	29	0	26	46	0	67	0
31	77	...	0	28	...	0	68	...
Mean	46	36	14	15	25	17	45	33
Max.	93	71	76	28	46	61	97	69
Min.	0	0	0	0	6	0	0	0
A. F.	2844	2126	869	900	1471	1057	2773	1952

Area reported 5950 acres.
Water diverted 13992 A. F., including storage.
Per acre 2.35 A. F.
Storage water diverted 1966 A. F.

Acreage Reported
D-627 5950

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

OSHKOSH CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	2	0	0	0	0
7	4	0	0	0	0
8	2	0	0	0	0
9	8	0	0	0	0
10	10	0	0	0	0
11	10	0	0	0	0
12	3	10	0	0	0
13	0	5	0	0	0
14	0	1	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	7	0	0
25	0	0	9	0	0
26	0	0	6	0	0
27	0	0	4	0	0
28	0	0	3	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0		0	0	
Mean	1	0.5	1	0	0
Max.	10	10	9	0	0
Min.	0	0	0	0	0
A. F.	77	32	58	0	0

Area reported 2279 acres.
Water diverted 167 A. F.
Per acre 0.07 A. F.

Acreage Reported	
D-797	2117
A-243R	162
Total	2279

OTTER CREEK CANAL
Diverted from Otter Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0		0	0	
Mean	0	0	0	0	0
Max.	0	0	0	0	0
Min.	0	0	0	0	0
A. F.	0	0	0	0	0

No water diverted during 1941.

Acreage Reported	
D-1032	233
A-1R	635
A-1198	354
A-1240	50
Total	1272

OWASCO CANAL
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	2	2	3	2
2	0	2	2	3	2
3	0	2	2	3	2
4	0	1	2	3	2
5	2	3	2	3	2
6	3	3	2	3	2
7	3	2	2	3	2
8	3	2	2	3	2
9	3	2	2	3	2
10	0	0	2	3	2
11	0	0	2	3	2
12	3	0	2	3	2
13	2	0	2	3	2
14	2	0	2	3	3
15	2	0	2	3	3
16	1	0	2	3	3
17	1	0	2	3	2
18	2	0	2	3	2
19	2	0	2	3	0
20	2	0	2	3	2
21	3	0	3	3	0
22	2	0	3	3	0
23	2	0	3	3	0
24	2	0	2	3	0
25	2	3	2	3	0
26	2	3	3	3	0
27	2	3	3	2	0
28	2	0	3	2	0
29	2	2	3	2	0
30	2	2	3	2	0
31	2		3	2	
Mean	2	1	2	3	1
Max.	3	3	3	3	3
Min.	0	0	2	2	0
A. F.	107	63	141	174	81

Water diverted 566 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

OWASCO CANAL
(BAY STATE LATERAL)
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	0	1	1	1
2	0	0	1	1	1
3	0	0	1	1	1
4	0	0	1	1	1
5	0	0	1	1	1
6	0	1	1	1	1
7	0	1	1	0	1
8	0	1	1	1	1
9	0	1	1	1	1
10	0	0	1	1	1
11	0	0	1	1	1
12	0	0	1	1	1
13	0	0	1	2	1
14	0	0	1	1	1
15	1	0	1	1	1
16	0	0	1	1	0
17	0	0	1	1	1
18	0	0	1	1	1
19	0	0	0	1	0
20	1	0	0	1	1
21	1	0	0	1	0
22	1	0	1	1	0
23	1	0	1	0	0
24	1	0	1	0	0
25	1	1	1	0	0
26	1	1	1	0	0
27	1	0	1	0	0
28	0	0	1	0	0
29	0	0	1	0	0
30	0	0	1	1	0
31	0		1	1	
Mean	0.3	0.2	1	1	1
Max.	1	1	1	2	1
Min.	0	0	0	0	0
A. F.	18	12	56	48	38

Acreage	Reported
D-347R	55

Area reported 55 acres.
Water diverted 172 A. F.
Per acre 3.12 A. F.

OWASCO CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from Lodgepole Creek	107	63	141	174	81	566
Diverted for Bay State Lateral, D-347	18	12	56	48	38	172
Net diverted for A-725	89	51	85	126	43	394

Area reported 689 acres.
Net diverted 394 A. F.
Per acre 0.57 A. F.

Acreage	Reported
A-725	689

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

PAISLEY CANAL
Diverted from Blue Creek and Crescent Lake
—A-1575

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	10	12	0	9	0	0	0
2	10	12	0	0	0	0	0
3	10	12	0	0	0	0	0
4	10	12	0	0	0	0	0
5	11	13	0	0	0	0	0
6	12	13	0	0	0	0	0
7	12	13	0	0	0	0	0
8	12	0	0	0	0	0	0
9	12	0	0	0	0	0	0
10	12	0	0	0	0	0	0
11	12	0	0	0	0	0	0
12	12	0	7	0	0	0	0
13	12	0	8	0	0	0	0
14	11	0	9	0	0	0	0
15	11	0	9	0	0	0	0
16	11	0	0	0	0	0	0
17	11	0	0	0	0	0	0
18	11	0	9	0	0	0	0
19	12	0	9	0	0	0	0
20	11	0	10	0	0	0	0
21	11	0	11	0	0	0	0
22	11	0	12	0	0	0	0
23	11	0	11	0	0	0	0
24	11	0	11	0	0	0	0
25	11	0	12	0	0	0	0
26	11	0	13	0	0	0	0
27	11	0	11	0	0	0	0
28	11	0	11	0	0	0	0
29	12	0	0	0	0	0	0
30	12	0	0	0	0	0	0
31	12	..	9	..	0	0	..
Mean	11	3	5	0.3	0	0	0
Max.	12	12	13	0	0	0	0
Min.	11	0	0	0	0	0	0
A. F.	692	175	321	18	0	0	0

Acreage	Reported
D-800	815
A-515	95
A-1738	169
Total	1079

Area reported 1079 acres.
Water diverted 1204 A. F.
Per acre 1.11 A. F.
No diversion from Crescent Lake.

PARKS CANAL
Diverted from Republican River

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*
4	*	*	*	*	*	*	0
5	*	*	*	0	*	*	*
6	*	*	*	*	0	*	*
7	*	*	0	*	*	*	*
8	*	*	*	*	*	*	*
9	*	*	*	*	*	0	*
10	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*
12	0	*	*	*	*	*	*
13	*	*	*	*	*	*	*
14	*	*	0	*	*	0	*
15	*	*	*	*	*	*	*
16	*	*	*	0	*	*	*
17	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*
19	*	*	*	*	0	*	*
20	*	*	*	*	*	*	*
21	*	*	*	*	*	*	*
22	*	*	*	*	*	*	S
23	*	*	*	*	*	0	*
24	*	*	*	*	*	*	*
25	*	*	*	*	*	*	*
26	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*
28	*	0	*	*	*	*	*
29	*	*	0	*	*	*	*
30	*	*	*	0	*	*	*
31	*		*		*	*	
Mean	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*
A. F.	*	*	*	*	*	*	*

*No record.

Acreage	Reported
A-1202	No
A-1444	report
A-1555	filed

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

PATRICK CANAL
Diverted from Sand Creek

Day	May	June	July	Aug.	Sept.
1	0	1	2	1	0
2	0	0	2	1	0
3	0	1	2	0	0
4	0	1	2	0	0
5	0	1	2	0	0
6	0	1	2	1	0
7	0	0	2	1	0
8	0	0	2	1	0
9	0	0	2	3	0
10	0	0	2	3	0
11	0	0	2	0	0
12	0	0	2	0	0
13	0	0	2	0	0
14	0	0	2	0	0
15	0	0	2	0	0
16	0	0	2	0	0
17	0	0	2	0	0
18	0	0	2	0	0
19	0	0	2	0	0
20	0	0	2	0	0
21	0	0	2	0	0
22	0	0	2	0	0
23	0	3	2	0	0
24	0	3	2	0	0
25	1	3	1	0	0
26	1	3	1	0	0
27	1	2	1	0	0
28	1	2	1	0	0
29	1	2	1	0	0
30	1	2	1	0	0
31	1		1	0	
Mean	0.2	1	2	0.4	0
Max.	1	3	1	3	0
Min.	0	0	1	0	0
A. F.	14	50	109	22	0

Acreage Reported
D-725 No report filed

Area reported, estimated at 170 acres.
Water diverted 195 A. F.
Per acre 1.15 A. F.

PAXTON-HERSHEY CANAL
Diverted from North Platte River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	114	0	0	33	105	10	68
2	115	44	0	45	115	14	105
3	118	63	0	55	72	15	72
4	118	65	0	53	57	3	43
5	114	66	0	80	55	2	51
6	96	71	0	77	58	3	46
7	68	73	0	56	57	4	102
8	46	70	17	28	51	3	114
9	39	68	46	31	46	4	118
10	42	61	54	34	80	6	88
11	55	70	49	32	44	2	71
12	60	65	44	32	61	1	71
13	73	0	43	23	59	2	93
14	25	0	38	21	23	2	60
15	0	0	15	19	30	2	31
16	0	0	64	12	12	2	45
17	0	0	69	40	6	2	59
18	0	0	55	53	10	2	37
19	0	0	26	49	5	2	68
20	0	0	47	41	4	74	124
21	0	0	9	62	21	16	130
22	0	0	81	111	31	12	144
23	0	0	94	93	20	16	30
24	0	0	103	50	49	58	29
25	0	0	69	117	60	115	19
26	0	0	79	114	71	149	11
27	0	0	69	103	90	117	7
28	0	0	54	103	95	68	16
29	0	0	65	92	22	70	14
30	0	0	58	90	0	61	22
31	0		48		9	62	
Mean	35	24	42	58	46	29	63
Max.	118	73	103	117	115	149	144
Min.	0	0	0	12	0	1	7
A. F.	2148	1420	2570	3469	2812	1783	3546

Water diverted 17748 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

PAXTON-HERSHEY CANAL SPILL
To North Platte River—
Sec. 14-14-32 W.

Day	May	June	July	Aug.	Sept.
1	0	0	16	0	0
2	0	0	24	0	0
3	0	0	39	0	0
4	0	0	29	0	1
5	0	0	24	0	0
6	0	16	20	0	0
7	0	0	20	0	7
8	0	0	20	0	22
9	0	0	4	0	1
10	0	15	12	0	0
11	0	10	12	0	6
12	0	10	0	0	0
13	0	0	20	0	29
14	0	3	22	0	34
15	0	0	0	0	0
16	0	0	4	0	4
17	0	0	0	0	2
18	14	0	0	0	1
19	3	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	1
22	8	20	3	0	16
23	3	10	0	0	0
24	8	0	0	0	24
25	0	6	3	0	12
26	24	0	3	0	6
27	8	0	8	0	1
28	8	0	3	0	12
29	0	0	1	0	3
30	0	26	0	0	6
31	0	—	0	0	—
Mean	3	4	9	0	6
Max.	24	26	39	0	34
Min.	0	0	0	0	0
A. F.	151	230	569	0	373

Total acre-feet 1323.

RAMSHORN CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	25	20	12	11
2	0	25	20	15	10
3	0	26	19	11	9
4	0	26	20	10	9
5	0	26	20	2	9
6	0	26	16	2	10
7	0	27	19	2	15
8	0	24	17	6	16
9	0	18	9	16	15
10	0	34	2	17	11
11	0	0	1	7	11
12	0	0	5	17	10
13	0	0	11	24	10
14	0	0	6	26	13
15	0	0	5	21	6
16	0	0	4	22	2
17	0	0	2	19	2
18	0	0	2	21	2
19	0	0	2	19	2
20	0	0	2	19	1
21	0	0	2	19	0
22	0	0	9	21	3
23	0	2	8	22	7
24	5	20	7	23	4
25	9	31	8	23	2
26	9	17	10	21	1
27	9	15	14	23	4
28	9	18	16	22	6
29	12	20	16	15	6
30	17	20	15	14	10
31	20	—	12	12	—
Mean	3	13	10	16	7
Max.	20	34	20	26	16
Min.	0	0	1	2	0
A. F.	178	793	633	998	430

Area reported 1781 acres.
Water diverted 3032 A. F.
Per acre 1.81 A. F.

Acreage	Reported
D-918R	129
D-945	1652
Total	1781

PAXTON-HERSHEY CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	2148	1420	2570	3469	2812	1783	3546	17748
Spill into North Platte River	*	*	151	230	569	0	373	1323
Net diverted	2148	1420	2419	3239	2243	1783	3173	16425

Area reported 7458 acres.
Net diverted 16425 A. F.
Per acre 2.20 A. F.

Acreage	Reported
D-653	7458

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

RIVERSIDE CANAL
Diverted from Frenchman River

Day	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.
1	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*
4	14	*	0	*	*	*	*	*	*
5	*	*	*	*	*	*	12	6	4
6	*	*	*	*	*	*	*	*	*
7	*	6	*	*	*	0	*	*	*
8	1	*	*	*	*	*	*	*	*
9	*	*	*	*	7	*	*	13	*
10	*	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	*	16
12	*	*	*	*	*	*	*	*	*
13	*	*	*	*	*	0	*	*	*
14	*	*	*	*	*	*	*	*	*
15	*	*	*	*	*	*	*	13	*
16	1	*	*	*	*	*	*	*	*
17	1	*	*	*	*	*	7	*	10
18	*	*	*	*	*	*	*	*	*
19	*	*	*	*	*	*	*	*	*
20	*	*	*	*	6	3	*	*	*
21	*	*	*	*	*	*	*	15	*
22	*	*	*	*	*	*	10	*	*
23	*	*	*	*	*	*	*	*	0
24	1	*	*	0	*	*	*	16	*
25	*	*	*	*	*	*	*	15	*
26	*	*	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*	*	*
29	*	*	*	*	13	*	15	*	*
30	8	*	*	*	*	*	*	*	*
31	*		*		*		*	*	
Mean	*	*	*	*	*	*	*	*	*
Max.	*	*	*	*	*	*	*	*	*
Min.	*	*	*	*	*	*	*	*	*
A. F.	*	*	*	*	*	*	*	*	*

Area reported 584 acres.
Water diverted—incomplete record.
*No record.

Acreage	Reported
D-18	382
A-1674	202
Total	584

ROUND HOUSE ROCK CANAL
Diverted from Pumpkinseed Creek

Day	May	June	July	Aug.	Sept.
1	0	3	0	0	0
2	0	3	0	0	0
3	0	3	0	1	0
4	0	2	0	1	0
5	0	2	0	1	0
6	0	2	0	1	0
7	0	2	0	1	0
8	0	2	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	1	0
19	0	0	0	1	0
20	0	0	0	1	0
21	0	0	0	1	0
22	0	0	0	2	0
23	0	0	0	0	0
24	0	0	0	0	0
25	2	0	0	0	0
26	2	0	0	0	0
27	2	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	3	0	0	0	0
31	3		0	0	
Mean	0.4	0.6	0	0.3	0
Max.	3	3	0	2	0
Min.	0	0	0	0	0
A. F.	24	38	0	22	0

Acreage	Reported
D-884	121

Area reported 121 acres.
Water diverted 84 A. F.
Per acre 0.69 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

RUSH CREEK CANAL
Diverted from North Platte River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	0	5	0	0	0	0	0
2	0	5	0	0	0	0	0
3	0	5	0	0	0	0	0
4	1	5	0	0	0	0	0
5	2	5	0	0	0	0	0
6	3	5	0	0	0	0	0
7	4	5	0	0	0	0	0
8	4	5	0	0	0	0	0
9	5	6	0	0	0	0	0
10	4	5	0	0	0	0	0
11	3	2	0	0	0	0	0
12	5	2	0	0	0	0	0
13	5	0	0	0	0	0	0
14	5	0	0	0	0	0	0
15	5	0	0	0	0	0	0
16	5	0	0	0	0	0	0
17	5	0	0	0	0	0	0
18	5	0	0	0	0	0	0
19	5	0	0	0	0	0	0
20	5	0	0	0	0	0	0
21	7	0	0	0	0	0	0
22	7	0	0	0	0	0	0
23	4	0	0	0	0	0	0
24	4	0	0	0	0	0	0
25	3	0	0	0	0	0	0
26	6	0	0	0	0	0	0
27	6	0	0	0	0	0	0
28	6	0	0	0	0	0	0
29	6	0	0	0	0	0	0
30	6	0	0	0	0	0	0
31	5		0		0	0	
Mean	4	2	0	0	0	0	0
Max.	7	6	0	0	0	0	0
Min.	0	0	0	0	0	0	0
A. F.	260	109	0	0	0	0	0

Acreage	Reported
D-802	569

Area reported 569 acres.
Water diverted 369 A. F.
Per acre 0.65 A. F.

RUTTNER CANAL, NEW
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	4	0	3	1	1
2	4	0	3	1	1
3	4	0	3	1	1
4	4	0	3	1	1
5	4	0	3	1	1
6	4	0	3	1	1
7	4	0	2	1	0
8	4	2	3	1	1
9	4	2	3	1	1
10	4	0	3	1	1
11	5	0	3	1	1
12	5	0	2	1	1
13	5	0	3	1	1
14	5	0	3	1	1
15	5	0	2	0	0
16	5	0	2	1	0
17	5	0	3	1	1
18	5	0	3	0	1
19	5	0	3	0	0
20	5	0	3	0	1
21	5	0	3	0	0
22	5	0	3	0	1
23	4	0	2	0	1
24	3	0	3	0	1
25	3	0	3	0	1
26	3	0	3	1	1
27	3	0	3	1	0
28	0	2	2	1	0
29	0	3	2	1	1
30	0	3	1	1	0
31	0		1	1	
Mean	4	0.4	3	0.7	0.7
Max.	5	2	3	1	1
Min.	0	0	1	0	0
A. F.	230	24	163	44	44

Area reported 195 acres.
Water diverted 505 A. F.
Per acre 2.58 A. F.

Acreage	Reported
D-350R	22
A-727	37
A-857	92
A-869	44
Total	195

SCRIPTER CANAL
Diverted from Clear Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	4	0	0	0	0
8	4	0	0	0	0
9	4	0	0	0	0
10	4	0	0	0	0
11	4	0	0	0	0
12	4	0	0	0	0
13	4	0	0	0	0
14	4	0	0	0	0
15	4	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	1	0	0	0	2
20	1	0	0	0	2
21	1	0	0	0	2
22	1	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0		0	0	
Mean	1	0	0	0	0.2
Max.	4	0	0	0	2
Min.	0	0	0	0	0
A. F.	79	0	0	0	12

Area reported 175 acres.
Water diverted 91 A. F.
Per acre 0.52 A. F.

Acreage	Reported
A-2288	175

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

SEVERNS PUMP
Diverted from Frenchman River

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	0	2	1
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	0	*
10	0	*	2	*	*
11	*	*	*	*	2
12	*	*	*	*	*
13	*	0	*	*	*
14	*	*	*	*	*
15	*	*	*	0	*
16	*	*	*	*	*
17	*	*	0	*	2
18	*	*	*	*	*
19	*	*	*	*	*
20	0	0	*	*	*
21	*	*	*	0	*
22	*	*	0	*	*
23	*	*	*	*	0
24	*	*	*	0	*
25	*	*	*	*	*
26	*	*	*	0	*
27	*	*	*	*	*
28	*	*	*	*	*
29	0	*	0	*	*
30	*	*	*	*	0
31	*		*	*	*
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	*	*	*	*	*

*No record.

Acreage	Reported
A-1856	140
A-2847	64
Total	204

Water diverted—incomplete record.

SHERIDAN-WILSON CANAL
Diverted from North Platte River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	10	1	0	4	6	3	4
2	9	1	0	7	7	3	4
3	8	1	0	7	4	2	4
4	6	1	0	8	5	2	4
5	5	1	0	9	5	2	3
6	5	1	0	8	3	4	3
7	4	1	0	4	3	3	4
8	0	1	0	0	3	4	5
9	0	1	0	0	3	4	5
10	0	0	0	1	3	4	4
11	2	0	0	5	7	4	4
12	1	0	0	2	7	4	5
13	2	0	0	1	0	2	6
14	3	0	0	0	0	2	6
15	3	0	0	0	0	1	4
16	3	0	0	4	0	1	5
17	2	0	0	6	0	1	4
18	3	0	0	6	0	1	4
19	2	0	0	7	0	4	7
20	2	0	0	8	0	6	7
21	2	0	0	9	4	3	6
22	2	0	0	8	3	3	6
23	2	0	3	7	5	4	4
24	2	0	3	9	5	6	4
25	1	0	5	6	4	8	5
26	1	0	9	4	7	7	2
27	0	0	10	3	8	5	2
28	1	0	6	3	1	5	1
29	1	0	5	4	1	5	1
30	1	0	4	4	1	4	1
31	1		4		0	5	
Mean	3	0.3	2	5	3	4	4
Max.	10	1	10	9	8	8	7
Min.	0	1	0	0	0	1	1
A. F.	167	18	97	286	182	222	246

Water diverted 1218 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

SHERIDAN-WILSON CANAL
Diverted from Sarben Slough

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	2	2	0	3	3	2	2
2	2	2	0	3	3	2	2
3	2	2	0	3	3	2	2
4	2	2	0	3	3	2	2
5	2	2	0	3	3	2	2
6	2	2	0	3	3	2	2
7	2	2	0	3	3	2	2
8	2	2	0	3	3	2	2
9	2	2	0	3	3	2	2
10	2	2	0	3	3	2	2
11	2	0	0	3	3	2	3
12	2	0	0	3	3	2	3
13	2	0	0	3	3	2	3
14	2	0	0	3	3	2	3
15	2	0	0	3	3	2	3
16	2	0	0	3	2	2	3
17	2	0	0	3	2	2	3
18	2	0	0	3	2	2	3
19	2	0	0	3	2	2	3
20	2	0	0	3	2	2	3
21	2	0	0	3	2	2	3
22	2	0	0	3	2	2	3
23	2	0	3	3	2	2	3
24	2	0	3	3	2	2	5
25	2	0	3	3	2	2	4
26	2	0	3	3	2	3	3
27	2	0	3	3	2	3	3
28	2	0	3	3	2	3	3
29	2	0	3	3	2	3	3
30	2	0	3	3	2	3	3
31	2	..	3	..	2	3	..
Mean	2	1	1	3	2	2	3
Max.	2	2	3	3	3	3	5
Min.	2	0	0	3	2	2	2
A. F.	123	40	54	178	153	135	165

Estimated diversion 848 A. F.

SHERIDAN-WILSON CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from:—								
North Platte River	167	18	97	286	182	222	246	1218
Sarben Slough*	123	40	54	178	153	135	165	848
Total diverted	290	58	151	464	335	357	411	2066

Area reported 676 acres.
Net diverted 2066 A. F.
Per acre 3.06 A. F.
*Estimated.

Acreage Reported
D-710 676

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

SHORT LINE CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	34	10	16	22
2	0	30	10	8	0
3	0	30	10	9	10
4	0	31	19	16	10
5	0	28	30	20	10
6	0	26	29	14	19
7	0	17	36	14	15
8	0	10	30	12	15
9	0	0	28	12	28
10	0	0	27	20	8
11	0	0	23	19	20
12	0	0	27	17	12
13	0	0	24	16	6
14	17	0	24	10	5
15	26	0	25	10	9
16	25	0	22	10	14
17	20	0	22	13	17
18	20	0	22	0	22
19	30	0	21	0	12
20	19	0	19	5	6
21	14	0	15	15	4
22	27	12	16	15	5
23	24	30	16	20	4
24	40	30	16	21	0
25	46	33	22	19	0
26	46	33	17	0	0
27	46	30	17	0	0
28	51	28	16	0	0
29	50	10	6	6	0
30	32	10	8	6	0
31	30		8	0	
Mean	18	14	20	11	9
Max.	51	34	36	21	28
Min.	0	0	6	0	0
A. F.	1116	837	1220	680	541

Acreage Reported
D-946 2819

Area reported 2819 acres.
Water diverted 4394 A. F.
Per acre 1.55 A. F.

SIGNAL BLUFF CANAL
Diverted from North Platte River

Day	Oct.	Nov.	Dec.	May	June	July	Aug.	Sept.
1	7	7	3	0	0	0	0	0
2	13	6	2	0	0	0	0	0
3	13	7	2	0	0	0	0	0
4	13	6	2	0	0	0	0	0
5	13	6	3	0	0	0	0	0
6	14	6	2	0	0	0	0	0
7	13	5	0	0	0	0	0	0
8	13	5	0	0	0	0	0	0
9	13	5	0	0	0	0	0	0
10	13	5	0	0	0	0	0	0
11	13	4	0	0	0	0	0	0
12	13	4	0	0	0	0	0	0
13	12	4	0	0	0	0	0	0
14	11	5	0	0	0	0	0	0
15	10	5	0	0	0	0	0	0
16	10	5	0	0	0	0	0	0
17	10	6	0	0	0	0	0	0
18	10	6	0	0	0	0	0	0
19	9	5	0	0	0	0	0	0
20	9	2	0	0	0	0	0	0
21	9	0	0	0	0	0	0	0
22	9	0	0	0	0	0	0	0
23	9	0	0	0	0	0	0	0
24	9	0	0	0	0	0	0	0
25	9	2	0	0	0	0	0	0
26	8	7	0	0	0	0	0	0
27	8	8	0	0	0	0	0	0
28	8	6	0	0	0	0	0	0
29	8	6	0	0	0	0	0	0
30	7	3	0	0	0	0	0	0
31	7		0	0		0	0	
Mean	10	4	0.5	0	0	0	0	0
Max.	14	7	3	0	0	0	0	0
Min.	7	0	0	0	0	0	0	0
A. F.	640	270	28	0	0	0	0	0

Area reported 1436 acres.
Water diverted 938 A. F.
Per acre 0.68 A. F.

Acreage Reported
D-807 1436

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

SIMS & ENGELLS PUMP
Diverted from Frenchman River

Day	May	June	July	Aug.	Sept.
1	*	*	*	*	*
2	*	*	*	*	*
3	*	*	*	*	*
4	*	*	*	*	*
5	*	*	0	1	0
6	*	*	*	*	*
7	*	*	*	*	*
8	*	*	*	*	*
9	*	*	*	0	*
10	*	*	0	*	*
11	*	*	*	*	0
12	*	*	*	*	*
13	*	0	*	*	*
14	*	*	*	*	*
15	*	*	*	0	*
16	*	*	*	*	*
17	*	*	0	*	0
18	*	*	*	*	*
19	*	*	*	*	*
20	0	0	*	*	*
21	*	*	*	0	*
22	*	*	*	*	*
23	*	*	*	*	0
24	*	*	*	0	*
25	*	*	*	*	*
26	*	*	*	0	*
27	*	*	*	*	*
28	0	*	*	*	*
29	*	*	0	*	*
30	*	*	*	*	0
31	*		*	*	
Mean	*	*	*	*	*
Max.	*	*	*	*	*
Min.	*	*	*	*	*
A. F.	*	*	*	*	*

Water diverted—incomplete record. Acreage Reported
*No record. A-2908 26

SMITH-WHEELER CANAL
Diverted from Pumpkinseed Creek

Day	May	June	July	Aug.	Sept.
1	1	1	0	0	0
2	1	1	0	0	0
3	1	1	0	0	0
4	1	1	0	0	0
5	1	1	0	0	0
6	1	1	0	0	0
7	1	1	0	0	0
8	1	1	0	1	0
9	1	0	0	1	0
10	1	0	0	1	0
11	0	0	0	1	0
12	0	0	0	1	0
13	0	0	1	1	0
14	0	0	0	1	0
15	0	0	0	1	0
16	0	0	0	1	0
17	0	3	0	1	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	1	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0		0	0	
Mean	0.3	0.3	0	0.3	0
Max.	1	3	1	1	0
Min.	0	0	0	0	0
A. F.	20	22	4	20	0

SIX MILE CANAL
Diverted from Platte River and Sutherland Reservoir

Day	Oct.	Nov.	June	July	Aug.	Sept.
1	0	22	0	18	12	14
2	0	20	0	16	12	27
3	0	22	0	10	12	13
4	0	24	0	14	14	14
5	0	27	0	7	16	6
6	0	28	0	11	12	6
7	0	24	0	11	14	3
8	0	16	0	9	11	5
9	2	13	0	10	3	6
10	4	6	0	11	0	5
11	6	0	0	12	0	4
12	*	0	0	14	0	3
13	*	0	0	16	0	3
14	*	0	0	16	0	2
15	*	0	0	12	0	0
16	*	0	0	12	0	0
17	*	0	0	7	0	0
18	*	0	0	5	0	0
19	*	0	0	8	0	4
20	*	0	0	5	0	3
21	*	0	0	15	0	6
22	*	0	0	17	0	8
23	*	0	0	16	0	25
24	*	0	0	10	0	13
25	*	0	0	7	4	25
26	*	0	0	7	10	22
27	*	0	6	4	19	5
28	*	0	7	0	14	5
29	*	0	9	0	22	25
30	*	0	12	4	18	6
31	*			10	12	
Mean	0.4	7	1	10	7	9
Max.	6	28	12	18	22	27
Min.	0	0	0	0	0	0
A. F.	24	400	71	623	407	512

Area reported 1298 acres. Acreage Reported
Water diverted 2037 A. F., including storage. D-680 1298
Per acre 1.57 A. F.
Storage water diverted 186 A. F.
*No record.

Acreage	Reported
D-842a	50
D-842b	35
Total	85

Area reported 85 acres.
Estimated diversion 66 A. F.
Per acre 0.78 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

SOEHL CANAL
Diverted from Lonergan Creek

Day	May	June	July	Aug.	Sept.
1	0	1	2	2	0
2	0	1	2	2	0
3	0	1	2	2	0
4	0	1	2	2	0
5	0	1	2	2	0
6	1	1	2	2	0
7	1	1	2	2	0
8	1	1	1	2	0
9	1	1	1	2	0
10	1	1	1	2	0
11	1	1	1	2	0
12	1	1	1	2	0
13	1	1	1	2	0
14	1	1	1	2	0
15	1	1	1	2	0
16	1	1	1	0	0
17	1	1	1	0	0
18	1	1	1	0	0
19	1	1	1	0	0
20	1	1	1	2	0
21	1	1	1	2	0
22	1	1	1	0	0
23	1	1	1	0	0
24	1	1	1	0	0
25	1	1	1	0	0
26	1	1	1	0	0
27	1	1	1	0	0
28	1	1	1	0	0
29	1	1	1	0	0
30	1	2	1	0	0
31	1		1	0	
Mean	1	1	1	1	0
Max.	1	2	2	2	0
Min.	0	1	1	0	0
A. F.	52	62	75	67	0

Area reported 200 acres.
Water diverted 256 A. F.
Per acre 1.28 A. F.

Acreage Reported	
D-697a	140
D-697b	60
Total	200

SPOHN CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0		0	0	
Mean	0	0	0	0	0
Max.	0	0	0	0	0
Min.	0	0	0	0	0
A. F.	0	0	0	0	0

No water diverted during 1941.
No acreage report filed.

SUBURBAN CANAL
Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	48	0	26	8	18	36
2	44	0	26	8	24	35
3	40	0	29	10	22	32
4	46	0	36	4	20	29
5	33	0	37	4	24	27
6	29	0	63	3	31	26
7	13	0	55	3	31	27
8	10	0	32	2	37	31
9	9	0	33	2	40	34
10	15	0	33	3	40	33
11	13	0	28	7	41	30
12	14	0	27	13	40	30
13	15	0	26	16	58	42
14	17	0	20	14	60	35
15	12	0	17	14	50	29
16	0	0	28	13	52	26
17	0	0	42	12	55	23
18	0	0	46	18	54	26
19	0	0	43	15	53	30
20	0	0	53	16	60	34
21	0	0	54	15	61	38
22	0	0	70	15	54	46
23	0	36	62	15	53	31
24	0	33	46	15	45	17
25	0	35	52	12	36	13
26	0	45	31	12	31	12
27	0	42	7	16	31	14
28	0	35	7	40	24	11
29	0	27	6	31	30	13
30	0	31	6	19	34	14
31	0	27		14	36	
Mean	12	10	35	13	48	27
Max.	48	45	70	40	60	46
Min.	0	0	6	2	18	11
A. F.	710	617	2065	776	2951	1634

Water diverted 8753 A. F.

SUBURBAN CANAL
Diverted from Lincoln County Drain No. 1

Day	May	June	July	Aug.	Sept.
1	0	0	28	30	27
2	0	0	28	30	27
3	0	0	28	30	27
4	0	0	28	30	28
5	0	0	28	30	28
6	0	0	28	30	28
7	0	0	28	30	29
8	0	0	28	30	29
9	0	0	28	31	29
10	0	0	28	31	29
11	0	0	28	31	29
12	0	0	28	31	28
13	0	0	27	32	27
14	0	0	27	32	26
15	0	0	27	32	25
16	0	0	27	32	24
17	0	0	27	32	23
18	0	0	27	32	23
19	0	0	27	32	23
20	0	0	27	32	23
21	0	0	27	32	23
22	0	0	28	32	23
23	0	0	28	31	23
24	0	0	28	30	23
25	0	0	28	29	23
26	0	0	28	28	23
27	0	0	29	27	23
28	0	0	29	26	23
29	0	0	29	26	23
30	0	28	29	26	23
31	0		29	26	
Mean	0	1	28	28	25
Max.	0	28	29	32	29
Min.	0	0	27	26	23
A. F.	0	56	1714	1902	1511

Estimated diversion 5183 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

SUBURBAN CANAL
Diverted from Lincoln County Drain No. 1A

Day	May	June	July	Aug.	Sept.
1	0	8	9	8	12
2	0	8	9	8	12
3	0	8	9	8	12
4	0	8	9	8	12
5	0	8	9	8	12
6	0	8	9	8	12
7	0	8	9	8	12
8	0	8	9	8	12
9	0	8	9	9	12
10	0	8	9	9	12
11	0	8	9	10	12
12	0	8	9	10	12
13	0	8	9	11	12
14	0	8	9	12	12
15	0	8	9	12	11
16	0	8	9	12	11
17	0	8	9	12	11
18	0	8	9	12	10
19	0	8	9	12	10
20	0	8	9	12	10
21	0	9	9	12	10
22	0	9	9	12	10
23	0	10	9	12	11
24	0	10	9	12	11
25	0	10	9	12	11
26	0	10	9	12	11
27	8	10	9	12	11
28	8	10	9	12	11
29	8	10	9	12	11
30	8	10	9	12	11
31	8	...	9	12	...
Mean	2	9	9	11	11
Max.	8	10	9	12	12
Min.	0	8	9	8	10
A. F.	95	512	553	653	649

Estimated diversion 2462 A. F.

SUBURBAN CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River	710	617	2065	776	2951	1634	8753
Lincoln County Drain No. 1*	†	0	56	1714	1902	1511	5183
Lincoln County Drain No. 1A*	†	95	512	553	653	649	2462
Total diverted	710	712	2633	3043	5506	3794	16398

Area reported 6723 acres.
Net diverted 16398 A. F.
Per acre 2.44 A. F.
†No record.
*Estimated.

Acreage Reported
D-662 6723

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

SUTHERLAND RESERVOIR SUPPLY CANAL

Diverted from North Platte River

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	665	1177	1260	1455	1011	600	843	0	1023	1106	363
2	0	649	1146	1267	1439	985	609	1227	0	1001	1076	328
3	0	638	1039	1194	1419	931	564	1238	0	1129	1055	358
4	0	656	1207	1009	1390	1077	544	1238	0	1216	1043	340
5	218	674	1304	807	1374	1091	442	1225	0	1236	1021	340
6	218	676	1227	591	1355	1081	428	1201	0	1251	971	331
7	111	678	1203	527	1278	1083	307	1123	0	1269	983	295
8	369	667	1212	613	1053	1076	307	1207	0	1324	981	284
9	473	706	1210	737	692	1060	382	1214	0	1374	973	313
10	493	776	1212	758	319	1041	395	1218	0	1366	973	346
11	629	541	1194	1108	322	1070	396	1218	0	1346	1015	350
12	724	350	1072	1214	362	973	393	1095	0	1396	1104	382
13	744	375	642	1289	363	638	406	722	0	1437	1093	399
14	724	428	349	1330	376	623	376	701	0	1423	1060	442
15	776	491	374	1313	366	609	402	674	0	1148	1029	378
16	740	631	481	1324	319	600	405	748	0	1118	1041	358
17	737	814	697	1326	316	614	403	823	0	1102	495	350
18	762	1058	784	1158	316	620	424	834	0	1125	481	299
19	807	1291	814	868	303	611	405	785	0	1162	478	234
20	843	1256	944	894	331	605	398	365	0	1087	442	339
21	845	1284	1017	953	367	585	402	228	406	951	388	829
22	825	1258	1049	1106	475	428	405	226	1102	1027	350	1135
23	796	1337	1078	1212	483	559	406	215	1173	850	304	1220
24	796	1306	1085	1017	552	589	409	181	783	854	244	1207
25	758	1317	1091	955	812	581	409	182	965	851	218	1245
26	740	1264	1091	935	530	579	412	168	969	1087	250	1319
27	742	1236	1114	800	630	584	416	0	1104	1127	314	1319
28	694	1064	1158	1049	976	588	416	0	1106	1162	372	1311
29	688	1205	1190	1163	———	591	421	0	967	1091	363	1322
30	694	1173	1175	1234	———	598	437	0	1105	1106	360	1308
31	656	———	1220	1348	———	598	———	0	———	1108	378	———
Mean	570	881	1018	1040	713	765	424	674	322	1152	708	634
Max.	845	1337	1304	1348	1455	1082	609	1238	1173	1437	1106	1322
Min.	0	350	349	527	303	428	307	0	0	851	218	234
A. F.	34910	52490	62590	64180	39620	46970	25228	41453	19200	70805	43560	37774

Water diverted 538780 A. F.

SUTHERLAND RESERVOIR SYSTEM

Storage in Sutherland, Regulator, and Forebay Reservoirs, Combined

Total Live Storage in Acre-feet

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15873	14517	27997	43093	64703	60235	75697	66968	68116	49961	41456	27996
2	15789	14335	28407	44672	67054	60949	75674	65343	67658	48965	40584	27122
3	15693	13896	28420	46004	69236	62764	75958	64741	67082	47943	39419	26265
4	15503	13468	27254	47358	71276	63489	76071	64446	66624	48452	37943	25320
5	15407	13022	26084	46920	72667	64685	75918	65059	66195	49681	36841	26366
6	15308	12489	27524	46849	74162	64306	76870	65161	65766	49825	35857	25697
7	15141	12427	29315	46804	76030	64599	76892	65812	65336	49980	35779	25939
8	15118	12377	30709	45145	77015	64302	76318	66951	64907	49222	35679	26065
9	14331	12362	32584	43818	77303	65183	75857	67645	64507	48572	34784	25947
10	13878	12610	33281	43109	78041	66746	75197	67307	64191	47885	33284	25082
11	14220	13050	33971	43782	77258	67432	74736	68091	63762	47569	31359	24689
12	14473	13647	34601	45791	76551	68597	74230	69508	63346	47245	30771	24587
13	15026	14004	32898	47945	75174	69699	73443	70188	62801	48256	30523	24285
14	15542	14474	30316	49934	73505	70171	73342	70237	62337	50060	30255	24603
15	16392	13792	28190	51415	73491	70464	72543	69801	61863	50646	29873	24772
16	16635	14210	26856	52721	73138	70931	72370	68642	61454	51501	30331	24717
17	16920	14562	24643	53531	72732	71454	71615	68924	61098	51709	32146	24787
18	17028	15431	23901	54149	71336	71078	71340	70113	60663	52868	33266	25012
19	17199	16307	22651	55582	68820	69642	70390	70647	59119	52019	33359	24997
20	17537	17370	22518	56532	65894	69618	70309	71963	57621	50121	33235	24237
21	18300	18437	23948	56031	64356	70213	70232	72369	54460	48611	32658	23011
22	18642	19306	25921	55454	64070	70942	70853	71903	52103	47441	33166	23176
23	18487	21360	27615	56251	62156	71610	71196	71478	53890	45606	32826	24452
24	17946	23166	29598	57505	63431	72092	71493	71017	55513	44944	32484	26318
25	17570	25677	31490	57721	62303	73026	71009	70408	55716	43057	32242	27787
26	16962	26061	32887	58973	61501	72997	71039	69930	54504	41397	31951	30108
27	16435	26072	35148	60058	60929	73443	70785	69891	53238	40541	30992	32410
28	16188	26837	36679	60417	59920	73245	71013	69642	52580	41031	30361	34787
29	15863	25617	38368	60748	———	73578	70267	69286	51921	41134	29682	36666
30	15477	27463	39956	61856	———	74371	68750	68799	52047	41382	28966	38942
31	14882	———	41842	62908	———	75167	———	68630	———	41884	28404	———

Reported by the district.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

SUTHERLAND PROJECT POWER RETURN
To the River at North Platte—Sec. 9-13-30 W.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	585	827	164	4	687	198	771	0	1385	1156	685
2	15	726	1000	188	0	0	373	1229	0	1377	1383	696
3	15	652	1404	143	50	277	328	1100	0	856	1333	125
4	15	653	1294	785	269	599	98	717	0	350	1571	245
5	15	671	476	534	187	608	10	950	21	714	1338	487
6	15	598	267	414	39	689	125	583	0	926	917	0
7	15	560	253	892	415	921	390	554	0	1225	787	89
8	99	583	83	677	617	300	316	645	0	1293	1170	136
9	231	473	521	842	0	111	318	976	0	1218	1226	592
10	252	335	457	366	322	415	328	703	0	1188	1593	421
11	151	283	604	35	384	213	499	382	0	1067	1123	248
12	100	212	1382	75	577	130	479	788	0	974	919	101
13	80	196	1278	155	780	264	225	537	0	526	981	325
14	122	333	1225	349	60	287	331	600	0	604	1036	229
15	101	237	863	466	212	60	364	878	0	774	949	331
16	101	202	1053	368	381	76	434	251	4	958	118	138
17	252	202	686	308	609	554	449	47	0	670	136	50
18	333	212	678	79	1084	1013	510	85	0	929	346	212
19	332	415	725	355	980	410	412	40	424	1480	450	586
20	288	642	306	882	1106	0	0	240	1136	1140	356	526
21	430	628	35	624	589	0	52	186	1121	1198	176	674
22	624	0	0	428	420	0	54	24	259	1315	379	213
23	751	16	8	269	332	0	68	116	361	1158	212	223
24	787	0	147	639	852	209	325	164	536	1114	193	93
25	805	686	0	291	785	205	133	19	971	1531	409	29
26	751	918	85	0	597	86	197	217	1213	1229	421	0
27	692	596	0	529	883	292	0	0	1175	1055	533	0
28	688	1414	32	492	523	101	541	0	814	1038	421	0
29	680	173	0	362	----	0	743	4	777	693	561	0
30	697	437	26	336	----	0	674	0	1335	697	432	17
31	678	----	313	95	----	0	----	0	----	985	389	----
Mean	327	454	523	392	466	274	299	414	338	1021	743	249
Max.	805	1414	1404	892	1106	1013	743	1229	1335	1531	1593	696
Min.	15	0	0	0	0	0	0	0	0	350	118	0
A. F.	20090	27050	31970	24080	25900	16880	17800	25400	20130	62810	45650	14820

Total acre-feet 332580.
Reported by the district.

THIRTY MILE CANAL
Diverted from Platte River and Sutherland Reservoir

Day	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.
1	0	140	0	0	96	107	207	8	206
2	0	144	0	0	106	106	203	8	222
3	0	142	0	0	141	104	179	9	214
4	0	144	0	0	128	102	182	92	199
5	0	153	0	0	137	102	188	121	175
6	0	154	0	0	133	103	186	159	166
7	20	160	0	0	140	104	188	165	171
8	86	153	0	0	178	112	196	160	176
9	112	146	0	0	180	114	198	152	171
10	114	138	0	0	177	104	198	141	175
11	112	67	0	0	172	106	191	135	172
12	110	31	0	0	180	100	198	133	177
13	116	25	0	0	166	98	147	133	171
14	128	29	0	0	178	98	130	128	160
15	140	8	0	0	177	100	133	54	167
16	154	0	0	0	172	105	121	20	180
17	164	0	0	0	174	92	120	47	183
18	184	0	0	0	162	129	126	63	196
19	192	0	0	0	174	169	112	66	212
20	188	0	0	0	163	179	117	74	207
21	195	0	0	0	142	186	118	72	209
22	206	0	0	0	144	188	123	69	235
23	208	0	0	0	145	204	128	69	168
24	211	0	0	0	152	212	145	45	171
25	208	64	0	0	145	211	123	10	133
26	209	75	0	0	110	236	58	136	118
27	210	60	0	0	96	226	9	185	114
28	210	15	0	38	97	221	8	212	100
29	211	0	0	92	86	207	8	208	115
30	216	0	0	95	100	202	8	206	106
31	166	----	0	----	103	----	8	208	----
Mean	131	61	0	8	144	145	131	106	172
Max.	216	160	0	95	180	236	207	212	235
Min.	0	0	0	0	86	92	8	8	100
A. F.	8073	3667	0	446	8830	8580	8050	6520	10250

Water diverted 54416 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

THIRTY MILE CANAL SPILL
To Platte River
Little Spillway—Sec. 35-11-25 W.

Day	May	June	July	Aug.	Sept.
1	12	0	6	0	2
2	8	0	6	0	0
3	5	2	3	0	0
4	0	0	3	0	12
5	0	0	7	0	3
6	0	0	7	0	0
7	0	0	8	0	0
8	0	2	7	0	0
9	3	7	9	0	0
10	11	7	8	0	0
11	10	7	8	0	0
12	3	8	9	0	4
13	11	5	6	0	0
14	16	5	4	0	0
15	26	7	11	0	0
16	7	7	9	0	2
17	12	4	15	0	0
18	12	4	14	0	3
19	13	7	12	0	3
20	24	0	6	0	10
21	20	0	10	0	10
22	17	0	8	0	26
23	16	7	7	0	17
24	16	0	0	0	12
25	21	5	0	0	5
26	16	6	0	0	6
27	0	26	0	0	3
28	0	9	0	0	2
29	0	7	0	3	2
30	0	6	0	2	2
31	0		0	2	
Mean	9	5	6	0	4
Max.	26	26	15	3	26
Min.	0	0	0	0	0
A. F.	553	274	363	14	244

Total acre-feet 1448.

THIRTY MILE CANAL SPILL
To Platte River
Middle Spillway—Sec. 7-10-24 W.

Day	May	June	July	Aug.	Sept.
1	9	0	10	0	0
2	13	7	23	0	0
3	27	3	17	0	8
4	20	5	19	0	11
5	13	6	21	0	0
6	11	7	30	0	0
7	3	5	36	0	0
8	10	5	28	0	4
9	19	8	41	0	5
10	0	15	26	0	6
11	9	8	24	0	10
12	10	17	50	0	22
13	9	14	50	0	25
14	13	15	17	0	28
15	4	15	15	0	28
16	9	15	42	0	29
17	10	8	45	0	11
18	13	8	36	0	14
19	11	10	34	0	14
20	11	8	16	0	17
21	5	0	20	0	10
22	8	0	10	0	21
23	8	2	10	0	29
24	8	2	4	0	7
25	22	10	1	0	11
26	16	6	1	0	11
27	16	13	0	16	17
28	16	10	0	7	22
29	16	9	0	8	21
30	4	9	0	1	0
31	7		0	1	
Mean	11	8	20	1	12
Max.	27	17	50	16	29
Min.	0	0	0	0	0
A. F.	694	476	1238	65	746

Total acre-feet 3219.

THIRTY MILE CANAL SPILL
To Platte River
Henderson Spillway—Sec. 8-10-24 W.

Day	May	June	July	Aug.	Sept.
1	9	12	12	0	2
2	3	13	10	0	0
3	8	18	18	0	0
4	6	20	18	0	28
5	9	19	21	0	1
6	8	15	20	0	4
7	12	14	21	0	3
8	9	15	19	0	5
9	17	19	14	0	7
10	26	15	8	0	6
11	14	21	7	0	6
12	18	18	6	0	8
13	18	16	13	0	8
14	22	13	8	0	6
15	37	13	27	0	1
16	57	12	20	0	5
17	19	9	21	0	0
18	22	3	19	0	0
19	22	3	19	0	2
20	75	2	19	0	6
21	21	2	20	0	13
22	21	0	13	0	36
23	26	4	17	0	22
24	25	8	11	0	18
25	26	7	10	0	18
26	24	4	1	0	17
27	16	6	0	4	17
28	11	8	0	7	18
29	11	9	0	6	18
30	11	12	0	4	18
31	7		0	0	
Mean	18	11	13	1	10
Max.	57	21	27	7	28
Min.	3	2	0	0	0
A. F.	1210	655	778	42	581

Total acre-feet 3266.

THIRTY MILE CANAL SPILL
To Platte River
Darr Spillway—Sec. 8-9-22 W.

Day	May	June	July	Aug.	Sept.
1	4	12	5	0	0
2	8	12	3	0	2
3	8	4	5	0	0
4	19	4	4	0	2
5	21	5	4	0	2
6	14	5	6	0	5
7	7	8	9	0	8
8	8	8	3	0	8
9	8	12	3	0	8
10	11	7	5	0	6
11	11	5	7	0	0
12	11	5	2	0	0
13	7	8	23	0	4
14	10	7	14	0	3
15	10	6	17	0	2
16	15	6	7	0	2
17	16	6	0	0	2
18	18	5	0	0	4
19	4	14	0	0	3
20	24	11	1	0	3
21	18	0	2	0	3
22	18	8	4	0	4
23	20	9	8	0	0
24	20	7	4	0	1
25	20	8	3	0	2
26	20	9	0	0	3
27	13	8	0	5	3
28	5	2	0	5	3
29	3	1	0	4	3
30	5	0	0	4	4
31	4		0	0	
Mean	12	7	4	1	3
Max.	24	14	23	5	8
Min.	3	0	0	0	0
A. F.	754	401	276	36	174

Total acre-feet 1641.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

THIRTY MILE CANAL
SUMMARY IN ACRE-FEET

Month	Diverted from Platte River	Spill into				Total Spill	Net Diverted
		Little Spillway	Middle Spillway	Henderson Spillway	Darr Spillway		
October	8073	.....	.....	.....	.....	*	8073
November	3667	.....	.....	.....	.....	*	3667
December	0	.....	.....	.....	.....	*	0
April	446	.....	.....	.....	.....	*	446
May	8830	563	694	1210	754	3211	5619
June	8580	274	476	665	401	1806	6774
July	8060	363	1238	778	276	2655	5395
August	6520	14	65	42	36	157	6363
September	10250	244	746	581	174	1745	8505
Total	54416	1448	3219	3266	1641	9574	44842

Area reported 23089 acres.
Net diverted 44842 A. F., including storage.
Per acre 1.94 A. F.
Storage water diverted 4199 A. F.
*No record.

Acreage	Reported
A-1853	19214
A-1976	3555
A-2077	320
Total	23089

TRI-COUNTY CANAL NEAR MAXWELL
Diverted from Platte River

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	528	482	706	1480	584	1460	411	2010	1640	850
2	0	0	422	643	744	1420	765	1750	400	2030	1740	1000
3	0	0	567	466	924	860	1180	1720	345	2140	1620	714
4	0	0	510	720	1170	1130	1010	1590	325	1410	1880	517
5	0	0	420	550	1100	1290	628	1410	325	1270	1630	503
6	0	0	361	424	927	1290	560	1260	394	1360	1310	479
7	0	0	286	790	800	1210	778	1070	557	1590	928	247
8	0	0	140	1050	1060	1550	770	896	572	1680	1140	358
9	0	0	445	936	962	955	657	1380	666	1640	1250	688
10	0	0	375	657	867	903	708	1200	666	1630	1620	734
11	0	0	377	515	910	925	810	901	602	1470	1530	586
12	0	0	577	384	1070	439	918	950	542	1840	1050	410
13	0	0	916	461	1410	534	846	975	542	1630	1030	397
14	0	0	978	773	978	815	768	822	497	1870	1040	801
15	0	0	947	949	694	825	811	1060	467	1570	1130	600
16	0	0	1090	958	885	659	862	974	467	1460	385	499
17	0	0	998	814	883	674	864	730	452	1320	257	325
18	0	0	624	298	1470	1400	979	527	467	1090	478	331
19	0	0	704	381	1370	1230	1690	437	567	1730	605	651
20	0	0	526	1100	1280	663	1080	463	1190	1670	556	614
21	0	0	214	1050	1110	498	889	618	1560	1630	395	906
22	0	0	186	856	904	522	776	385	1610	1690	543	920
23	0	0	255	645	914	573	694	437	804	1670	540	984
24	0	0	640	898	1260	524	782	381	883	1350	314	1140
25	0	0	550	754	1440	696	809	480	969	1620	804	900
26	0	143	573	501	1120	901	720	640	1740	1630	610	650
27	0	265	754	544	1390	759	584	670	1900	1360	1030	557
28	0	371	896	1030	1510	805	796	569	1530	1690	734	482
29	0	244	881	979	____	628	1250	477	1280	2480	809	497
30	0	183	824	948	____	513	1580	460	1510	2440	818	650
31	0	____	950	944	____	494	____	490	____	1680	555	____
Mean	0	40.2	597	726	1066	876	871	877	808	1666	967	633
Max.	0	371	1090	1100	1510	1550	1690	1750	1900	2480	1880	1140
Min.	0	0	140	298	694	439	560	381	325	1090	257	247
A. F.	0	2390	36720	44630	59220	53880	51850	53910	48080	102400	59450	37670

Water diverted 550200 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

TRI-COUNTY CANAL, JEFFREY POWER RETURN
To Platte River
Near Brady Island—Sec. 25-12-27 W.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	126	159	92	130	269	635	560	720
2	0	0	0	0	132	135	68	195	269	563	740	784
3	0	0	0	0	119	144	45	322	267	421	824	765
4	0	0	0	10	98	140	38	283	263	542	842	611
5	0	0	0	0	55	122	36	289	275	563	920	477
6	0	0	0	0	53	81	27	330	287	563	944	480
7	0	0	0	0	69	75	27	341	287	557	944	499
8	0	0	0	0	97	69	34	399	281	560	950	524
9	0	0	0	0	88	81	26	397	281	563	944	542
10	0	0	0	0	88	83	54	413	281	584	920	533
11	0	0	0	0	88	82	70	413	285	593	908	536
12	0	0	0	0	89	81	76	409	271	632	818	551
13	0	0	0	0	92	96	74	413	250	519	755	510
14	0	0	0	0	92	99	46	426	242	421	751	453
15	0	0	0	0	93	101	21	428	246	464	630	491
16	0	0	0	0	92	102	19	397	273	474	625	533
17	0	0	0	150	92	108	6	394	285	488	560	548
18	0	0	0	50	93	94	0	389	322	474	522	545
19	0	0	0	147	93	96	0	392	350	464	439	599
20	0	0	0	0	108	96	0	339	387	464	371	614
21	0	0	0	10	124	92	0	293	428	505	399	614
22	0	0	0	0	122	93	0	297	380	626	339	472
23	0	0	0	0	127	96	0	295	416	666	368	350
24	0	0	0	9	130	93	0	301	428	666	471	339
25	0	0	0	175	136	94	0	285	443	557	548	301
26	0	0	0	176	133	90	22	263	605	352	590	307
27	0	0	0	173	152	86	41	269	688	141	653	324
28	0	0	0	136	162	84	76	261	688	195	682	332
29	0	0	0	129	----	86	115	271	685	281	676	345
30	0	0	0	122	----	86	113	273	692	352	682	364
31	0	----	0	122	----	90	----	273	----	519	695	----
Mean	0	0	0	45	105	98	34	328	370	498	680	502
Max.	0	0	0	176	162	159	115	428	692	666	950	784
Min.	0	0	0	0	53	69	0	130	242	141	339	301
A. F.	0	0	0	2796	5840	6020	2250	20190	22060	30350	41790	29880

Total acre-feet 161370.

TRI-COUNTY CANAL, JOHNSON POWER RETURN
To Platte River below Johnson Power Plant No. 2
Near Lexington—Sec. 3-8-21 W.

Day	May	June	July	Aug.	Sept.
1	0	0	0	11	63
2	0	0	0	41	28
3	0	0	0	27	0
4	0	0	0	27	0
5	0	0	0	128	0
6	0	0	0	138	0
7	0	0	0	212	0
8	0	0	0	174	0
9	0	0	0	128	0
10	0	0	0	121	0
11	0	0	0	95	0
12	0	0	0	99	0
13	0	0	0	116	0
14	0	0	0	110	0
15	0	0	0	110	0
16	0	0	0	112	0
17	0	0	0	112	0
18	0	0	0	112	0
19	0	0	0	114	0
20	0	0	23	72	0
21	0	0	50	68	0
22	0	0	62	64	0
23	0	0	38	61	0
24	0	0	58	61	0
25	0	0	58	62	0
26	0	0	58	72	0
27	0	0	58	65	0
28	0	0	33	65	0
29	0	0	0	65	0
30	0	0	0	68	0
31	0	----	0	55	----
Mean	0	0	14	89	3
Max.	0	0	62	212	63
Min.	0	0	0	11	0
A. F.	0	0	869	5484	180

Total acre-feet 6533.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

TRI-STATE CANAL

Diversions by the Farmers Irrigation District and the Northport Irrigation District from North Platte River and Pathfinder Reservoir

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	494	56	0	713	1026	905	885
2	446	64	0	720	909	907	861
3	442	84	432	730	872	909	797
4	391	92	496	741	810	874	793
5	92	99	512	743	830	722	865
6	0	88	669	762	839	898	869
7	0	93	734	770	839	905	841
8	0	89	806	760	821	927	812
9	0	81	907	575	810	931	789
10	0	37	606	0	783	935	758
11	0	0	448	0	766	804	747
12	0	0	390	207	854	885	747
13	0	0	349	220	889	979	751
14	0	0	324	267	845	979	758
15	0	0	244	196	644	971	715
16	0	0	295	210	659	973	718
17	0	0	444	253	686	955	751
18	0	0	516	337	686	918	749
19	0	0	534	416	749	909	745
20	0	0	536	360	762	916	741
21	0	0	514	352	808	924	728
22	48	0	504	472	909	929	703
23	46	0	526	819	911	918	631
24	48	0	520	889	916	905	596
25	77	0	514	150	920	905	574
26	75	0	488	356	920	905	532
27	85	0	530	966	918	907	484
28	90	0	596	1010	927	889	438
29	87	0	655	1025	922	894	394
30	82	0	701	1030	914	891	281
31	78	...	707	...	905	894	...
Mean	83	26	500	535	840	907	702
Max.	494	99	907	1030	1026	979	885
Min.	0	0	0	0	644	722	281
A. F.	5119	1553	30738	31823	51668	55861	41759

Water diverted 218531 A. F.

TRI-STATE LATERAL NO. 1

Diverted from North Platte River and Pathfinder Reservoir

Day	May	June	July	Aug.	Sept.
1	0	0	4	6	3
2	0	0	4	5	3
3	0	0	3	5	3
4	0	0	4	4	3
5	0	2	5	6	3
6	0	0	5	6	3
7	0	3	5	5	3
8	3	3	5	6	3
9	8	3	5	6	3
10	0	0	4	6	3
11	2	0	4	4	3
12	2	0	6	4	3
13	0	0	6	6	3
14	0	0	6	6	3
15	0	0	0	6	3
16	0	0	3	6	4
17	4	0	3	8	4
18	4	0	3	6	4
19	3	0	5	7	4
20	3	0	6	6	4
21	3	3	6	3	4
22	3	3	7	3	4
23	3	4	5	3	4
24	3	4	6	4	4
25	3	0	6	4	0
26	3	4	6	4	0
27	3	3	6	4	0
28	3	3	6	4	0
29	3	3	6	4	0
30	0	3	6	4	0
31	0	...	6	4	...
Mean	2	1	5	5	3
Max.	8	4	7	8	4
Min.	0	0	0	3	0
A. F.	111	81	301	307	160

Water diverted 960 A. F.

TRI-STATE LATERAL NO. 2

Diverted from North Platte River and Pathfinder Reservoir

Day	May	June	July	Aug.	Sept.
1	0	6	4	7	3
2	0	6	4	7	3
3	0	6	4	7	3
4	0	6	4	6	3
5	0	6	4	7	3
6	0	6	4	6	3
7	0	6	4	6	3
8	0	6	4	7	8
9	6	6	5	6	3
10	0	0	4	7	3
11	0	0	4	6	4
12	0	0	5	7	4
13	5	0	3	7	4
14	6	0	3	7	4
15	0	0	2	8	4
16	0	0	3	8	4
17	7	0	3	6	4
18	7	0	3	8	4
19	6	0	4	8	4
20	6	0	4	8	4
21	7	4	4	8	4
22	6	4	3	7	4
23	7	4	4	7	4
24	6	4	3	7	4
25	7	0	3	5	4
26	5	4	8	3	4
27	6	4	8	3	4
28	6	4	3	3	0
29	6	4	7	3	0
30	6	4	8	3	0
31	6	...	8	3	...
Mean	4	3	4	6	3
Max.	7	6	8	8	4
Min.	0	0	3	3	0
A. F.	220	178	266	379	204

Water diverted 1247 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

TRI-STATE LATERAL NO. 3
Diverted from North Platte River and Pathfinder Reservoir

Day	May	June	July	Aug.	Sept.
1	0	1	2	3	1
2	0	1	3	1	2
3	0	2	2	0	2
4	0	2	0	3	1
5	0	2	1	1	1
6	0	2	1	1	1
7	0	0	0	1	1
8	0	0	1	1	1
9	0	0	1	1	1
10	0	0	1	1	1
11	0	0	0	1	1
12	0	0	0	1	1
13	0	0	3	2	1
14	0	0	0	3	1
15	0	0	0	3	1
16	0	0	0	3	1
17	0	0	0	3	1
18	0	0	0	3	1
19	0	0	0	3	0
20	0	0	0	3	0
21	0	0	0	1	0
22	0	0	0	1	0
23	1	0	0	1	0
24	2	1	0	1	0
25	2	0	0	2	0
26	1	0	0	2	0
27	2	0	0	2	0
28	2	0	0	0	0
29	2	0	0	0	0
30	3	0	3	0	0
31	2	..	3	0	..
Mean	0.5	0.3	1	1	1
Max.	3	2	3	3	2
Min.	0	0	0	0	0
A. F.	34	22	41	95	40

Water diverted 232 A. F.

TRI-STATE CANAL
Diverted from Akers Draw

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	9	9	0	8	8	10	10
2	9	9	0	8	8	10	10
3	9	9	8	8	8	10	10
4	9	9	8	8	8	10	10
5	9	9	8	8	8	10	10
6	9	9	8	8	7	10	10
7	9	9	8	9	7	9	10
8	9	9	8	12	7	9	10
9	9	9	8	14	7	9	10
10	9	9	8	16	7	9	10
11	9	0	8	10	8	9	10
12	9	0	8	8	12	9	9
13	9	0	8	8	10	9	9
14	9	0	8	8	9	9	9
15	9	0	8	8	8	9	9
16	9	0	7	8	8	10	9
17	9	0	7	8	8	12	9
18	9	0	7	8	8	12	9
19	9	0	7	8	8	10	9
20	9	0	7	8	8	9	9
21	9	0	7	9	9	9	10
22	9	0	7	9	9	9	12
23	9	0	7	8	9	9	12
24	9	0	7	8	9	9	10
25	9	0	7	8	9	9	9
26	9	0	8	8	10	9	9
27	9	0	8	8	10	9	9
28	9	0	8	10	10	10	9
29	9	0	8	9	10	10	9
30	9	0	8	8	10	10	9
31	9	..	8	..	10	10	..
Mean	9	3	7	9	9	10	10
Max.	9	9	8	16	12	12	12
Min.	9	0	0	8	7	9	9
A. F.	553	178	440	528	530	589	569

Water diverted 3387 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

TRI-STATE CANAL
Diverted from Sheep Creek

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	63	59	0	38	46	51	59
2	63	59	0	40	47	51	59
3	63	59	0	39	48	51	59
4	50	55	0	39	48	52	60
5	23	50	0	40	49	51	60
6	40	46	0	39	49	52	60
7	43	46	0	40	49	53	60
8	20	46	0	47	48	55	58
9	20	50	0	34	50	53	61
10	17	55	36	55	54	52	61
11	19	27	37	29	56	53	60
12	18	0	37	25	68	61	60
13	18	0	38	0	59	60	61
14	18	0	39	0	57	58	70
15	15	0	38	0	57	57	61
16	18	0	58	0	56	56	65
17	23	0	40	0	55	62	66
18	25	0	39	0	52	58	67
19	23	0	38	0	52	58	68
20	22	0	39	32	49	57	65
21	23	0	39	46	49	58	65
22	24	0	39	47	48	57	68
23	25	0	40	46	49	56	70
24	23	0	39	44	49	56	0
25	24	0	39	37	48	55	0
26	35	0	39	44	48	57	0
27	57	0	39	45	50	65	0
28	57	0	39	52	51	65	0
29	57	0	39	49	49	60	0
30	58	0	39	47	49	60	0
31	59	---	38	---	50	60	---
Mean	34	18	27	32	51	56	44
Max.	63	59	58	55	68	65	70
Min.	15	0	0	0	46	51	0
A. F.	2069	1095	1722	1892	3152	3471	2862

Water diverted 16263 A. F.

TRI-STATE CANAL
Diverted from Dry Spotted Tail Creek

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	10	10	0	0	0	16	18
2	10	10	0	0	0	17	18
3	10	10	0	0	0	16	18
4	12	10	0	0	0	16	19
5	12	10	0	0	0	16	19
6	9	10	0	0	0	16	19
7	9	10	0	0	0	17	19
8	9	10	0	0	0	17	20
9	9	10	0	0	0	16	20
10	9	10	0	0	10	16	23
11	10	0	0	0	10	16	22
12	10	0	0	0	10	16	21
13	10	0	0	0	0	17	23
14	10	0	0	0	0	17	24
15	10	0	0	0	0	16	23
16	12	0	0	0	10	17	23
17	12	0	0	0	10	18	23
18	12	0	0	0	13	18	22
19	12	0	0	0	14	19	23
20	12	0	0	0	14	19	22
21	12	0	0	0	13	19	22
22	12	0	0	0	15	18	24
23	12	0	0	0	15	18	25
24	12	0	0	0	15	18	23
25	12	0	0	0	14	18	0
26	10	0	0	0	15	19	0
27	10	0	0	0	15	21	0
28	10	0	0	0	15	20	0
29	10	0	0	0	17	19	0
30	10	0	0	0	17	18	0
31	10	---	0	--	17	17	---
Mean	11	3	0	0	8	18	17
Max.	12	10	0	0	17	21	25
Min.	9	0	0	0	0	16	0
A. F	653	198	0	0	514	1073	1018

Water diverted 3456 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

TRI-STATE CANAL
Diverted from Wet Spotted Tail Creek

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	14	12	0	1	4	5	13
2	14	12	0	1	5	5	13
3	14	12	7	1	4	5	13
4	14	12	6	1	3	5	13
5	14	12	7	1	3	5	13
6	0	14	6	2	3	6	13
7	0	14	6	4	2	6	14
8	0	14	6	3	3	6	13
9	0	14	7	3	3	6	14
10	0	14	6	9	3	6	24
11	0	0	7	5	2	6	23
12	0	0	7	0	4	6	20
13	0	0	7	4	2	6	23
14	0	0	7	4	1	6	25
15	0	0	7	4	1	6	24
16	0	0	7	4	1	6	23
17	0	0	6	3	1	8	24
18	0	0	7	3	5	10	24
19	0	0	8	3	4	12	20
20	0	0	6	3	4	12	24
21	0	0	6	3	5	13	25
22	12	0	6	3	4	12	27
23	12	0	6	3	4	12	26
24	12	0	6	2	4	12	24
25	12	0	6	2	4	12	24
26	12	0	5	4	4	13	24
27	12	0	6	4	4	13	24
28	12	0	6	8	4	13	23
29	12	0	6	4	5	13	23
30	12	0	6	4	5	13	24
31	12	---	1	---	5	14	---
Mean	6	4	6	3	3	9	20
Max.	14	14	7	9	5	14	27
Min.	0	0	0	0	1	5	13
A. F.	377	258	357	190	210	541	1224

Water diverted 3157 A. F.

TRI-STATE CANAL
Diverted from Tub Springs

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	15	14	0	0	23	28	29
2	15	14	0	0	23	26	28
3	15	14	0	0	22	26	28
4	15	14	0	0	22	26	30
5	15	14	0	0	22	26	29
6	0	14	0	0	22	27	30
7	0	14	0	0	21	28	30
8	0	14	0	0	22	29	30
9	0	14	0	0	23	29	32
10	0	14	0	0	24	28	32
11	0	0	0	0	24	27	30
12	0	0	0	0	26	28	32
13	0	0	0	0	24	27	32
14	0	0	0	0	22	24	34
15	0	0	0	0	20	24	34
16	0	0	0	0	24	28	34
17	0	0	0	0	25	28	35
18	0	0	0	0	26	26	37
19	0	0	0	0	25	24	37
20	0	0	0	0	25	24	35
21	0	0	0	0	25	24	33
22	0	0	0	0	26	26	36
23	0	0	0	0	26	24	34
24	0	0	0	0	28	26	33
25	0	0	0	0	27	26	0
26	0	0	0	0	26	26	0
27	0	0	0	23	26	26	0
28	0	0	0	23	27	28	0
29	0	0	0	24	28	28	0
30	0	0	0	23	28	28	0
31	0	---	0	---	28	28	---
Mean	2	5	0	3	25	27	26
Max.	15	14	0	24	28	29	37
Min.	0	0	0	0	20	24	0
A. F.	149	278	0	184	1507	1632	1535

Water diverted 5285 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

TRI-STATE CANAL LATERAL
Diverted from Alliance Drain

Day	May	June	July	Aug.	Sept.
1	0	2	4	5	6
2	0	4	4	5	6
3	0	4	4	5	6
4	0	5	4	5	6
5	0	6	4	5	6
6	0	8	4	5	6
7	0	6	4	5	6
8	0	10	4	5	6
9	2	10	5	5	6
10	2	0	5	5	6
11	2	0	5	5	6
12	2	0	5	7	6
13	2	0	5	7	6
14	2	0	5	7	6
15	2	0	5	7	6
16	2	0	5	7	6
17	2	0	5	7	6
18	2	4	5	7	6
19	0	4	5	7	6
20	0	3	5	7	6
21	0	3	5	6	6
22	0	4	4	6	6
23	0	3	5	6	6
24	0	3	5	8	3
25	2	3	5	8	6
26	2	4	5	8	4
27	2	4	5	5	3
28	2	4	5	5	0
29	3	4	5	5	0
30	3	4	5	5	0
31	1	..	5	5	..
Mean	1	3	5	6	5
Max.	..	..	..	..	6
Min.	0	0	4	5	0
A. F.	69	202	290	367	305

Water diverted 1233 A. F.

TRI-STATE CANAL SPILL
Mitchell Spillway—Sec. 35-23-56 W.

Day	May	June	July	Aug.	Sept.
1	6	0	0	0	0
2	70	0	0	0	0
3	5	0	0	0	0
4	60	0	0	0	0
5	60	0	0	0	0
6	10	0	0	0	0
7	21	0	0	0	0
8	19	0	0	0	0
9	0	0	0	0	0
10	0	100	0	0	0
11	0	19	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	43	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	12
27	0	0	0	0	30
28	0	0	0	0	27
29	0	0	0	0	30
30	0	0	0	0	32
31	0	..	0	0	—
Mean	8	5	0	0	4
Max.	70	100	0	0	32
Min.	0	0	0	0	0
A. F.	498	321	0	0	240

Total acre-feet 1059.

TRI-STATE CANAL SPILL
Into Nine Mile Drain

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	40	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	33	0	0	0
10	0	130	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	34
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	..	0	0	—
Mean	1	5	0	0	1
Max.	40	130	0	0	34
Min.	0	0	0	0	0
A. F.	79	323	0	0	67

Total acre-feet 469.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

TRI-STATE CANAL SPILL
Into Wild Horse Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	20	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	30	0	0	0	0
9	0	0	0	0	0
10	0	20	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0		0	0	
Mean	2	1	0	0	0
Max.	30	20	0	0	0
Min.	0	0	0	0	0
A. F.	99	40	0	0	0

Total acre-feet 139.

TRI-STATE CANAL SPILL
Into Red Willow Creek—
Sec. 3-21-51 W.

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	20	0	0
4	0	0	0	0	0
5	50	0	0	0	0
6	40	0	12	0	0
7	40	0	15	0	0
8	0	0	15	0	0
9	0	0	0	0	0
10	0	140	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	60	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0		0	0	
Mean	6	4	2	0	0
Max.	60	140	20	0	0
Min.	0	0	0	0	0
A. F.	377	278	123	0	0

Total acre-feet 778.

TRI-STATE CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River:—								
At rating station	5119	1553	30738	31833	51668	55861	41759	218531
Lateral No. 1	0	0	111	81	301	307	160	960
Lateral No. 2	0	0	220	178	266	379	204	1247
Lateral No. 3	0	0	34	22	41	95	40	232
Subtotal	5119	1553	31103	32115	52277	56643	42163	220973
Diverted from Drains:—								
Sheep Creek	2069	1095	1722	1892	3152	3471	2862	16263
Akers Draw	553	178	440	528	530	589	569	3387
Tub Springs	149	278	0	184	1507	1632	1535	5285
Dry Spotted Tail Creek	653	198	0	0	514	1073	1018	3456
Wet Spotted Tail Creek	377	258	357	190	210	541	1224	3157
Moffat Drain	0	0	0	0	0	0	0	0
Lateral from Alliance Drain	0	0	69	202	290	367	305	1233
Subtotal	3801	2007	2588	2996	6203	7673	7513	32781
Total diverted from river and drains	8920	3560	33691	35111	58480	64316	49676	253754
Spill to:—								
Toohey Spillway	0	0	0	0	0	0	0	0
Mitchell Spillway	0	0	498	321	0	0	240	1059
Nine Mile Drain	0	0	79	323	0	0	67	469
Red Willow Creek	0	0	377	278	123	0	0	778
Wild Horse Creek	0	0	99	40	0	0	0	139
Total spill	0	0	1053	962	123	0	307	2445
Net diverted	8920	3560	32638	34149	58357	64316	49369	251309
Diverted for Northport Irrigation District	0	0	3162	8955	13026	13652	10897	49692
Net for Farmers Irrigation District	8920	3560	29476	25194	45331	50664	38472	201617

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

TRI-STATE CANAL—D-918
Daily Diversions from All Sources

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	580	160	0	520	851	713	831
2	535	168	0	536	760	703	808
3	531	188	425	535	729	716	748
4	471	192	485	546	679	750	746
5	160	194	502	552	732	551	808
6	58	181	650	579	737	689	821
7	61	186	637	603	764	712	774
8	38	182	634	623	751	745	743
9	38	178	784	561	723	740	735
10	35	139	540	80	675	790	728
11	38	27	373	44	644	645	689
12	37	0	291	84	728	706	710
13	37	0	253	22	749	801	727
14	37	0	327	101	765	793	740
15	34	0	287	65	563	776	670
16	39	0	354	74	592	841	658
17	44	0	487	78	630	891	706
18	46	0	556	184	520	861	705
19	44	0	569	332	700	860	683
20	43	0	570	337	664	854	688
21	44	0	550	299	665	853	680
22	105	0	539	386	733	858	678
23	104	0	563	767	740	856	597
24	104	0	556	878	719	844	482
25	134	0	554	129	719	843	377
26	141	0	526	298	718	851	347
27	173	0	569	823	713	864	310
28	178	0	632	856	715	844	244
29	175	0	467	856	719	840	230
30	171	0	494	853	709	835	136
31	168	.....	514	.....	712	839	.....
Mean	142	66	470	420	705	790	626
Max.	580	194	784	878	815	891	831
Min.	35	0	0	22	520	551	136
A. F.	8733	3560	29134	24994	43276	48523	37288

Water diverted 195508 A. F.

TRI-STATE CANAL—D-918
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted for D-918 from all sources	8733	3560	29134	24994	43276	48523	37288	195508
Spill	0	0	1053	962	123	0	307	2445
Net for D-918	8733	3560	28081	24032	43153	48523	36981	193063

Area reported 62631 acres.
Net diverted 193063 A. F., including storage.
Per acre 3.08 A. F.
Storage water diverted 5062 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

TRI-STATE CANAL—A-660

Daily Diversions from All Sources

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	25	0	0	25	40	31	37
2	22	0	0	25	35	31	35
3	22	0	22	25	34	32	32
4	20	0	25	26	31	33	32
5	5	0	25	26	34	23	35
6	0	0	33	28	35	30	36
7	0	0	33	28	35	31	33
8	0	0	33	29	35	32	31
9	0	0	40	27	33	32	31
10	0	0	25	0	30	35	20
11	0	0	17	0	28	28	28
12	0	0	12	5	32	30	20
13	0	0	10	0	34	35	20
14	0	0	15	5	34	35	20
15	0	0	12	4	25	35	27
16	0	0	15	4	25	37	26
17	0	0	23	4	25	40	28
18	0	0	26	9	25	38	28
19	0	0	27	17	31	38	27
20	0	0	27	15	29	38	28
21	0	0	26	12	29	38	27
22	0	0	26	17	32	38	27
23	0	0	27	38	33	38	22
24	0	0	27	43	32	38	20
25	0	0	26	4	32	38	18
26	0	0	25	12	32	38	16
27	0	0	27	38	31	38	14
28	0	0	30	40	31	37	11
29	0	0	22	40	32	37	10
30	0	0	23	40	32	37	5
31	0	..	25	..	31	37	—
Mean	3	0	23	19	32	35	24
Max.	25	0	40	40	40	40	37
Min.	0	0	0	0	25	23	5
A. F.	186	0	1396	1162	1938	2140	1476

Area reported 3644 acres.
Water diverted 8298 A. F., including storage.
Per acre 2.34 A. F.
Storage water diverted 4172 A. F.

UNION CANAL

Diverted from Blue Creek and Crescent Lake —A-1575

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	15	18	0	2	9	14	13
2	12	14	0	0	6	20	15
3	11	13	0	0	5	20	14
4	10	14	0	0	2	16	11
5	7	13	0	0	2	15	12
6	6	14	0	3	2	15	12
7	5	12	0	1	2	15	10
8	10	10	0	0	5	14	13
9	10	10	0	0	7	18	13
10	10	3	0	0	9	19	15
11	10	0	0	0	11	19	13
12	10	0	0	0	3	18	11
13	12	0	0	0	3	18	10
14	15	0	0	0	2	18	9
15	16	0	8	0	0	17	9
16	15	0	14	0	1	15	9
17	14	0	10	0	1	15	12
18	15	0	0	0	1	16	12
19	14	0	0	1	3	16	11
20	14	0	0	1	6	16	11
21	13	0	0	0	4	14	10
22	12	0	0	1	2	12	9
23	12	0	0	1	4	13	1
24	12	0	0	3	10	10	0
25	12	0	6	12	14	11	0
26	14	0	10	15	16	11	0
27	15	0	9	16	16	11	0
28	16	0	8	18	15	10	0
29	18	0	6	12	19	5	0
30	20	0	5	8	9	6	0
31	21	..	4	..	8	13	..
Mean	13	4	3	3	6	14	8
Max.	21	18	14	18	19	20	15
Min.	0	0	0	0	0	5	0
A. F.	774	240	159	186	391	893	506

Acreage Reported
D-763 1233

Area reported 1233 acres.
Water diverted 3149 A. F.
Per acre 2.55 A. F.
No diversion from Crescent Lake.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

WESTERN CANAL
Diverted from South Platte River

Day	Oct.	Nov.	Dec.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	35	40	96	0	116	0	48	45	43	56
2	39	39	89	0	106	0	65	58	42	56
3	39	40	83	0	88	0	63	74	32	58
4	37	40	81	0	95	0	56	83	38	54
5	35	47	74	0	103	28	50	83	42	48
6	35	44	70	0	106	63	95	85	37	48
7	35	47	68	0	98	58	136	83	48	46
8	34	53	64	0	90	58	100	72	205	48
9	35	51	62	0	85	52	72	69	136	48
10	35	34	60	0	83	48	76	67	103	46
11	35	0	43	0	83	48	83	63	90	43
12	39	0	0	0	81	48	72	34	78	45
13	39	0	0	0	68	48	65	37	74	45
14	39	0	0	0	0	46	50	45	67	45
15	40	0	0	0	0	48	50	67	61	43
16	40	0	0	0	0	52	38	54	58	46
17	42	0	0	26	0	54	45	50	54	46
18	44	0	0	93	0	48	50	56	54	38
19	39	0	0	90	0	48	0	65	54	38
20	35	0	0	78	0	48	0	52	52	38
21	35	0	0	81	0	46	29	59	50	40
22	37	0	0	90	0	46	88	61	56	52
23	37	0	0	74	0	43	88	63	67	58
24	37	0	0	48	0	42	72	48	74	72
25	35	0	0	0	0	43	61	45	67	88
26	34	0	0	16	0	52	56	48	65	93
27	35	38	0	205	0	0	56	42	65	98
28	34	57	0	159	0	5	50	48	56	103
29	37	74	0	159	0	50	28	45	65	108
30	39	94	0	144	0	50	48	46	58	59
31	39	...	0	130	...	50	...	48	56	...
Mean	37	25	25	45	40	39	60	58	66	55
Max.	44	53	96	205	116	58	136	85	205	108
Min.	34	0	0	0	0	0	0	34	32	38
A. F.	2281	1375	1567	2763	2384	2424	3550	3560	4060	3273

Area reported 12549 acres.
Water diverted 27237 A. F.
Per acre 2.17 A. F.

Acreage	Reported
A-393	11785
A-1804	764
Total	12549

WHITNEY RESERVOIR—WHITNEY IRRIGATION DISTRICT
Diverted from White River, Storage in Acre-feet

Day	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1	...	...	...	...	...	...	...
2	...	...	...	5170	...	...	...
3	...	...	4145	...	...	...	...
4	...	...	...	...	...	...	...
5	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...
7	...	...	...	...	...	...	5770
8	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...
10	...	...	...	...	...	7980	...
11	...	...	...	...	...	...	...
12	...	...	...	5620	...	...	5770
13	...	...	4470	...	...	...	...
14	...	...	...	...	...	...	...
15	...	...	...	...	...	...	...
16	...	...	...	...	...	...	...
17	...	3520	...	...	...	...	...
18	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...
20	...	...	...	...	...	...	...
21	...	...	...	...	...	...	...
22	...	...	...	...	7470	...	...
23	...	...	...	...	...	...	...
24	2640	...	...	...	...	...	...
25	...	...	...	...	...	...	6290
26	...	...	...	...	...	...	...
27	...	...	...	6290	...	...	...
28	...	...	...	...	...	...	...
29	...	...	...	...	...	...	...
30	...	...	...	...	7810	...	...
31	...	...	...	...	...	...	...

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONTINUED

WINTERS CREEK CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	20	30	30	16
2	0	20	32	33	16
3	0	18	28	31	17
4	6	18	34	24	17
5	6	25	24	19	16
6	0	18	33	18	16
7	6	16	41	20	25
8	0	18	32	20	18
9	0	14	32	20	17
10	0	17	32	28	21
11	0	16	40	20	21
12	0	17	25	23	11
13	0	18	14	23	11
14	0	16	12	30	14
15	10	10	9	25	12
16	14	0	12	21	11
17	15	0	12	19	12
18	12	0	11	17	16
19	17	0	14	20	16
20	20	0	20	20	14
21	30	0	27	18	12
22	27	0	33	17	14
23	31	0	31	17	18
24	28	0	32	18	0
25	30	12	35	19	0
26	30	18	35	19	0
27	38	35	31	22	0
28	32	41	30	23	0
29	28	36	33	18	0
30	27	33	36	18	0
31	24	—	33	18	—
Mean	14	14	27	22	12
Max.	38	41	41	33	25
Min.	0	0	9	17	0
A. F.	845	865	1672	1325	716

Water diverted 5423 A. F.

WINTERS CREEK LATERAL
Diverted from Winters Creek

Day	May	June	July	Aug.	Sept.
1	0	9	32	23	5
2	0	0	5	21	5
3	0	13	3	12	5
4	0	4	0	12	5
5	0	4	16	10	5
6	0	9	0	10	0
7	0	6	0	15	3
8	0	6	6	12	3
9	0	0	29	12	3
10	0	0	18	21	3
11	0	0	21	23	3
12	0	0	0	13	3
13	0	0	0	13	3
14	0	0	0	9	3
15	3	0	0	12	3
16	9	0	4	10	8
17	16	0	4	9	8
18	17	0	6	7	8
19	17	0	13	9	8
20	15	5	4	13	8
21	13	7	4	12	8
22	12	8	12	17	8
23	13	17	9	9	8
24	12	30	11	3	8
25	17	18	4	6	8
26	12	13	4	4	10
27	14	8	5	12	10
28	13	10	5	16	6
29	13	13	5	23	0
30	8	13	15	15	0
31	6	—	23	21	—
Mean	7	6	8	13	5
Max.	17	30	32	23	10
Min.	0	0	0	3	0
A. F.	417	383	512	800	313

Water diverted 2425 A. F.

WINTERS CREEK CANAL
Diverted from Winters Creek

Day	May	June	July	Aug.	Sept.
1	0	58	61	50	43
2	0	58	64	51	56
3	0	55	50	50	63
4	0	54	45	51	68
5	0	55	44	51	63
6	0	49	40	56	59
7	0	43	44	50	58
8	0	13	53	41	41
9	0	0	49	41	51
10	0	0	50	49	47
11	0	0	55	42	42
12	0	0	19	49	44
13	0	0	6	49	46
14	16	0	30	41	46
15	21	0	27	43	41
16	30	0	33	50	48
17	30	0	17	37	46
18	37	0	45	14	28
19	28	18	44	27	45
20	30	25	45	30	45
21	31	35	46	31	46
22	41	41	44	37	32
23	31	35	44	30	0
24	16	33	52	26	0
25	35	29	49	32	0
26	32	33	46	35	0
27	42	49	39	44	0
28	48	63	32	44	0
29	53	61	41	44	0
30	52	60	53	43	0
31	54	—	51	46	—
Mean	20	29	42	41	35
Max.	54	63	64	56	68
Min.	0	0	6	14	0
A. F.	1244	1720	2614	2547	2098

Water diverted 10223 A. F.

WINTERS CREEK CANAL
Diverted from Minatare Drain

Day	May	June	July	Aug.	Sept.
1	0	1	0	4	4
2	0	1	0	4	4
3	0	1	0	4	4
4	0	1	0	4	4
5	0	1	0	4	4
6	0	1	0	4	4
7	0	1	0	4	4
8	0	1	*	4	4
9	0	1	*	4	4
10	0	1	0	4	4
11	0	0	*	4	4
12	0	0	0	4	4
13	0	0	0	4	4
14	0	0	0	4	4
15	0	0	*	4	4
16	0	0	*	4	4
17	0	0	*	4	4
18	0	0	*	4	4
19	0	0	*	4	4
20	0	0	*	4	4
21	0	0	*	4	4
22	0	0	*	4	4
23	1	0	*	4	4
24	1	0	*	4	0
25	1	0	*	4	0
26	1	0	*	4	0
27	1	0	*	4	0
28	1	0	*	4	0
29	1	0	*	4	0
30	1	0	*	4	0
31	1	—	*	4	—
Mean	0.3	0.3	*	4	3
Max.	1	1	*	4	4
Min.	0	0	*	4	0
A. F.	18	20	*	245	182

Estimated diversion 465 A. F.
*No record.

DISCHARGE OF CANALS IN SECOND-FEET, 1941—CONCLUDED

WINTERS CREEK CANAL
Diverted from Scottsbluff Drain No. 1

Day	May	June	July	Aug.	Sept.
1	0	0	0	2	*
2	0	0	0	2	*
3	0	0	0	2	*
4	0	0	0	2	*
5	0	0	0	2	0
6	0	0	0	2	0
7	0	0	0	2	0
8	0	0	*	2	0
9	0	0	*	2	0
10	0	0	0	2	0
11	0	0	*	2	0
12	0	0	0	2	0
13	0	0	0	2	0
14	0	0	0	2	0
15	0	0	*	2	0
16	0	0	*	2	*
17	0	0	*	2	*
18	0	0	*	2	*
19	0	0	*	2	*
20	0	0	*	2	*
21	0	0	*	2	*
22	0	0	*	2	*
23	0	0	*	2	*
24	0	0	*	2	*
25	0	0	*	2	*
26	0	0	*	2	*
27	0	0	*	2	*
28	0	0	*	2	*
29	0	0	*	2	*
30	0	0	*	2	*
31	0		*	2	
Mean	0	0	*	2	*
Max.	0	0	*	2	*
Min.	0	0	*	2	*
A. F.	0	0	*	120	*

Estimated diversion 120 A. F.
*No record.

WINTERS CREEK CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from:—						
North Platte River	845	865	1672	1325	716	5423
Winters Creek:—						
Main canal	1244	1720	2614	2547	2098	10223
Factory lateral	417	383	512	800	313	2425
Minatare Drain	18	20	*	245	182	465
Scottsbluff Drain	0	0	*	120	*	120
Total diverted	2524	2988	4798	5037	3309	18656
Spill into:—						
Main canal to Winters Creek	*	*	*	*	*	*
Lateral No. 9	*	*	*	*	*	*
To Minatare Drain	*	*	*	*	*	*
Factory lateral to Winters Creek	*	*	*	*	*	*
Net diverted	2524	2988	4798	5037	3309	18656

Area reported 5748 acres.
Net diverted 18656 A. F., incomplete record.
Per acre 3.25 A. F.
*No record.

Acreage	Reported
D-952	5748

DISCHARGE OF CANALS IN SECOND-FEET, 1942

ALLIANCE CANAL
Diverted from Bayard Sugar Factory Drain

Day	May	June	July	Aug.	Sept.
1	0	0	0	28	8
2	0	0	0	0	9
3	0	0	0	0	7
4	0	0	0	0	4
5	0	0	0	0	1
6	0	0	13	0	0
7	0	0	20	0	0
8	0	0	19	0	0
9	0	0	20	0	0
10	0	0	23	8	0
11	0	0	0	0	0
12	0	0	20	0	0
13	0	0	22	0	0
14	0	0	11	0	0
15	0	0	0	0	0
16	0	0	24	0	1
17	0	0	20	0	1
18	0	0	23	7	1
19	0	0	24	1	0
20	0	0	31	1	0
21	0	0	30	1	0
22	0	0	29	1	0
23	0	0	21	1	0
24	0	0	3	1	0
25	0	0	12	1	0
26	0	0	25	6	0
27	0	0	11	4	0
28	0	0	9	1	0
29	0	0	10	12	0
30	0	0	10	13	0
31	0		5	8	
Mean	0	0	14	3	1
Max.	0	0	31	13	9
Min.	0	0	0	0	0
A. F.	0	0	885	180	65

Water diverted 1130 A. F.

ALLIANCE CANAL
Diverted from Red Willow Creek

Day	May	June	July	Aug.	Sept.
1	0	8	12	14	32
2	0	7	22	19	21
3	0	6	21	13	22
4	0	8	23	22	19
5	0	10	21	38	16
6	0	9	19	29	19
7	0	9	14	34	25
8	0	10	6	42	32
9	0	8	11	37	36
10	0	8	19	17	38
11	0	8	8	38	38
12	0	4	16	43	34
13	0	0	17	44	33
14	0	0	25	45	22
15	0	0	22	43	22
16	0	0	32	42	20
17	0	0	36	63	28
18	0	0	35	44	15
19	0	0	35	51	14
20	0	0	4	50	19
21	0	4	18	46	20
22	0	6	41	44	21
23	0	10	42	45	20
24	0	10	25	47	11
25	0	11	24	48	10
26	0	10	25	46	6
27	0	11	28	49	6
28	0	10	28	48	8
29	15	9	25	51	4
30	10	15	36	57	2
31	6		34	51	
Mean	1	6	23	40	20
Max.	15	15	42	63	38
Min.	0	0	4	13	2
A. F.	60	380	1440	2500	1220

Water diverted 5600 A. F.

ALLIANCE CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from:—						
Bayard Sugar Factory Drain	0	0	885	180	65	1130
Red Willow Creek	60	380	1440	2500	1220	5600
Camp Clark Seep	0	0	0	0	0	0
Total diverted	60	380	2325	2680	1285	6730

Area reported 6126 acres.
Net diverted 6730 A. F.
Per acre 1.10 A.F.

Acreage Reported
D-874,-1035 6126

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

ATKINS-POLLY CANAL
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0.5	1.0
2	0	0	0	.8	1.0
3	0	0	0	.8	.7
4	0	0	0	.7	1.2
5	0	0	0	.5	.9
6	0	0	0	.5	.6
7	0	0	0	1.7	.5
8	0	0	0	.9	.6
9	0	0	0	.9	1.0
10	0	0	0	.9	1.0
11	0	.5	0	.8	.9
12	0	.7	0	.8	.9
13	0	.8	0	.8	.8
14	0	.8	0	1.3	.5
15	0	.7	0	1.3	.5
16	0	.8	0	1.1	.5
17	0	.7	.5	1.1	.1
18	0	.7	.2	1.1	.1
19	0	.8	.5	.9	.3
20	0	.8	.3	.8	.3
21	0	.8	.5	.8	.5
22	0	.8	.5	.6	.6
23	0	.8	.5	1.3	.5
24	0	0	.5	1.1	.6
25	0	0	.5	1.1	.6
26	0	0	.5	1.0	.9
27	0	0	.6	.9	.7
28	0	0	.6	.9	.7
29	0	0	.5	.9	.7
30	0	0	.5	.9	.6
31	0	..	.7	.5	..
Mean	0	0.3	0.2	0.9	0.6
Max.	0	.8	.7	1.3	1.2
Min.	0	.0	.0	.5	.1
A. F.	0	19.0	15.0	56.0	38.0

Area reported 93 acres.
Water diverted 128 A. F.
Per acre 1.37 A. F.

Acreage	Reported
D-342	55
D-344	30
A-724	*
A-897R	8
Total	93

*No report filed.

BARBER CANAL
Diverted from Clear Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	4	0
2	0	0	0	4	0
3	0	0	0	4	0
4	0	0	0	4	2
5	0	0	0	4	2
6	0	0	0	4	2
7	0	0	0	4	2
8	0	0	0	4	2
9	0	0	0	4	2
10	0	0	0	5	2
11	0	0	0	6	2
12	0	0	0	6	3
13	0	0	0	6	3
14	0	0	0	6	3
15	0	0	0	6	3
16	0	0	0	6	3
17	0	0	0	5	3
18	0	0	0	5	3
19	0	0	0	5	3
20	0	0	0	5	2
21	0	0	0	5	2
22	0	0	0	4	2
23	0	0	0	4	1
24	0	0	0	4	1
25	0	0	0	4	1
26	0	0	0	4	1
27	0	0	3	4	0
28	0	0	3	3	0
29	0	0	4	3	0
30	0	0	4	3	0
31	0	..	4	3	0
Mean	0	0	0.6	4	2
Max.	0	0	4	6	3
Min.	0	0	0	3	0
A. F.	0	0	36.0	133	100

Area reported 835 acres.
Water diverted 269 A. F.
Per acre 0.32 A. F.

Acreage	Reported
D-754	755
A-1111	80
Total	835

BEERLINE CANAL
Diverted from North Platte River and Pathfinder Reservoir

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	2	6	0	0	0	10	4
2	2	7	0	0	0	10	4
3	2	7	0	0	0	10	5
4	2	7	0	0	0	5	5
5	2	4	0	0	7	2	5
6	2	0	0	0	5	1	6
7	2	0	0	0	5	1	6
8	2	0	0	0	0	1	1
9	2	0	0	0	0	0	3
10	2	0	0	0	0	0	6
11	2	0	0	0	0	0	5
12	2	0	0	0	10	0	6
13	3	0	0	0	0	0	6
14	4	0	0	0	0	0	7
15	5	0	0	0	0	0	7
16	6	0	0	0	0	2	7
17	6	0	0	0	0	3	7
18	6	0	0	0	0	1	7
19	6	0	0	0	7	2	8
20	6	0	0	0	0	2	9
21	6	0	0	0	0	2	10
22	6	0	0	0	2	2	10
23	6	0	0	0	4	2	9
24	7	0	0	0	12	2	9
25	7	0	0	0	11	0	10
26	7	0	0	0	11	3	11
27	7	0	0	0	11	2	12
28	6	0	0	0	13	2	14
29	6	0	0	0	14	2	15
30	5	0	0	0	12	3	15
31	5	..	0	..	11	3	..
Mean	4	1	0	0	4	2	8
Max.	7	7	0	0	14	10	15
Min.	2	0	0	0	0	0	1
A. F.	265	60	0	0	270	145	455

Acreage	Reported
D-887	2080

Area reported 2080 acres.
Water diverted 1195 A. F.
Per acre 0.57 A. F.
No storage water diverted.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

BELMONT CANAL
Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	43	0	0	54	75	112
2	43	0	0	52	61	112
3	36	0	0	61	63	112
4	36	0	17	73	58	101
5	36	0	21	65	50	95
6	32	0	27	63	43	98
7	34	0	34	58	45	96
8	38	0	41	63	65	101
9	38	0	41	47	82	54
10	36	0	47	128	65	61
11	38	0	52	168	68	95
12	34	0	52	137	82	101
13	25	0	52	145	98	106
14	19	0	50	151	90	106
15	0	0	50	159	117	112
16	0	0	45	159	120	123
17	0	0	54	142	134	104
18	0	0	52	128	128	85
19	0	0	52	183	120	68
20	0	0	54	137	131	58
21	0	0	61	95	159	50
22	0	0	43	154	114	56
23	0	0	45	145	120	52
24	0	0	43	154	125	56
25	0	0	45	142	128	45
26	0	0	50	106	125	45
27	0	0	54	106	125	45
28	0	0	54	72	134	45
29	0	0	54	75	134	47
30	0	0	56	75	134	47
31	0	0		75	120	
Mean	16	0	42	108	100	80
Max.	43	0	61	168	159	123
Min.	0	0	0	47	43	45
A. F.	970	0	2470	6690	6170	4730

Water diverted 21030 A. F.

BELMONT FEEDER
Diverted from Cedar Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	9	7
2	0	0	0	9	7
3	0	0	12	9	7
4	0	0	13	10	7
5	0	0	12	9	7
6	0	0	12	9	7
7	0	0	10	8	7
8	0	0	8	8	8
9	0	0	8	8	9
10	0	0	9	8	10
11	0	0	8	8	10
12	0	0	8	8	11
13	0	0	8	8	10
14	0	0	7	9	10
15	0	0	7	9	11
16	0	0	7	9	11
17	0	0	7	9	11
18	0	0	7	9	12
19	0	0	6	9	12
20	0	0	12	8	12
21	0	0	12	7	12
22	0	0	12	7	6
23	0	0	12	7	0
24	0	0	10	7	0
25	0	0	8	7	0
26	0	0	8	7	0
27	0	0	10	7	0
28	0	0	10	7	0
29	0	0	10	7	0
30	0	0	9	7	0
31	0		9	7	
Mean	0	0	9	8	7
Max.	0	0	13	10	12
Min.	0	0	0	7	0
A. F.	0	0	535	495	405

Water diverted 1435 A. F.

BELMONT CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River	970	0	2470	6690	6170	4730	21030
Cedar Creek	0	0	0	535	495	405	1435
Total diverted	970	0	2470	7225	6665	5135	22465
Spill into:—							
Pumpkinseed Creek	*	0	68	0	0	0	68
Cedar Creek	*	*	*	*	*	*	*
Total Spill	*	0	68	0	0	0	68
Delivered to Empire Canal	0	0	0	275	390	265	930
Net diverted	970	0	2402	6950	6275	4870	21467

Area reported 13907 acres.
Net diverted 21467 A. F
Per acre 1.54 A. F.
*No record.

Acreage Reported
D-828 (O. D. A-1397) 13907

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

BICKEL CANAL
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	2	2
2	0	0	0	2	2
3	0	0	0	2	2
4	0	0	0	2	2
5	0	0	0	2	2
6	0	0	0	2	2
7	0	0	0	2	2
8	0	0	0	2	1
9	0	0	0	2	1
10	0	0	0	2	1
11	0	0	0	2	1
12	0	0	0	2	1
13	0	0	0	2	1
14	0	0	1	2	0
15	0	0	1	2	0
16	0	0	1	2	0
17	0	0	1	2	1
18	0	0	1	2	1
19	0	0	1	1	1
20	0	0	1	1	1
21	0	0	1	1	1
22	0	0	1	1	1
23	0	0	1	1	1
24	0	0	1	1	1
25	0	0	1	1	1
26	0	0	1	2	2
27	0	0	1	2	2
28	0	0	2	2	2
29	0	0	2	1	1
30	0	0	2	1	1
31	0	–	2	1	–
Mean	0	0	0.7	1	1
Max.	0	0	2	2	2
Min.	0	0	0	1	0
A. F.	0	0	44	103	74

Area reported* 120 acres.
Water diverted 221 A. F.
Per acre 1.84 A. F.
*1941 report.

Acreage	Reported
D-347	55
A-719	65
Total	120

BIRDWOOD CANAL
Diverted from Birdwood Creek

Day	Oct.	May	June	July	Aug.	Sept.
1	11	0	13	0	8	28
2	13	0	8	0	19	44
3	13	0	7	7	34	0
4	13	0	8	7	40	0
5	11	0	9	9	7	0
6	11	0	9	11	1	1
7	11	0	9	11	55	1
8	5	0	0	10	2	20
9	5	0	0	13	3	31
10	5	0	9	8	0	22
11	5	0	9	7	0	30
12	5	0	9	9	15	39
13	4	0	9	26	23	23
14	3	0	13	15	10	0
15	4	0	15	18	10	2
16	7	0	15	15	12	12
17	12	0	15	17	12	10
18	17	0	12	18	44	14
19	13	0	15	22	16	27
20	8	0	0	28	17	18
21	9	0	0	30	20	4
22	10	0	0	30	22	4
23	10	0	0	23	23	4
24	9	2	14	24	38	4
25	10	3	0	45	26	7
26	24	9	3	48	26	6
27	21	7	0	49	26	5
28	0	8	0	13	28	3
29	0	8	5	9	25	3
30	0	8	1	9	28	3
31	0	12		8	31	
Mean	9	2	7	17	20	13
Max.	24	12	15	49	55	44
Min.	0	0	0	0	0	0
A. F.	530	115	410	1070	1230	720

Area reported 5601 acres.
Water diverted 4075 A. F.
Per acre 0.73 A. F.

Acreage	Reported
D-646	5601

BLUE CREEK CANAL
Diverted from Blue Creek and Crescent Lake—A-1575

Day	Oct.	May	June	July	Aug.	Sept.
1	29	0	0	6	43	34
2	17	0	0	8	41	35
3	0	0	0	10	41	35
4	0	0	0	5	42	34
5	0	0	0	8	43	34
6	0	0	0	8	42	35
7	0	0	0	42	36	37
8	0	0	0	42	40	38
9	0	0	0	42	35	33
10	0	0	0	38	32	33
11	0	0	0	38	40	28
12	0	0	10	38	40	17
13	0	0	10	28	36	19
14	0	0	4	37	40	21
15	0	0	10	40	37	22
16	0	0	10	43	35	21
17	0	0	4	43	36	21
18	0	0	0	45	35	26
19	0	0	0	44	34	26
20	0	0	0	47	34	26
21	0	0	0	44	34	18
22	0	0	0	42	34	18
23	0	0	0	37	35	18
24	0	0	0	34	36	18
25	0	0	0	37	36	17
26	0	0	0	38	36	19
27	0	0	0	38	36	19
28	0	0	0	33	36	19
29	0	0	0	35	28	19
30	0	0	7	36	21	19
31	0	0		41	20	
Mean	1	0	2	33	36	25
Max.	29	0	10	47	43	38
Min.	0	0	0	5	21	17
A. F.	90	0	110	2060	2230	1510

Acreage	Reported
D-785	2549
D-795	339
A-1154	30
Total	2918

Area reported 2918 acres.
Water diverted 6000 A. F.
Per acre 2.06 A. F.
No diversion from Crescent Lake.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

*BOELUS POWER CANAL—A-1373
Diverted from Middle Loup River

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	735	653	653	0	0	0	573	654	0	558	387	539
2	681	424	593	0	96	0	631	750	378	533	236	700
3	672	784	709	0	269	0	622	361	587	525	385	296
4	721	764	673	0	195	152	610	644	571	511	366	183
5	427	735	682	0	203	221	361	663	534	263	380	604
6	721	736	425	0	411	504	631	637	461	564	531	366
7	673	732	718	0	188	156	635	644	0	530	520	640
8	252	703	603	0	0	217	622	673	374	507	297	635
9	721	436	242	0	0	362	637	607	579	503	560	642
10	735	764	0	0	0	502	664	422	0	496	599	599
11	706	735	0	0	0	543	523	629	394	487	594	599
12	384	735	0	0	0	506	350	629	174	234	564	604
13	673	750	0	0	0	517	629	417	0	486	605	223
14	662	750	0	20	0	525	499	0	614	464	605	642
15	539	736	0	118	0	321	563	418	591	419	605	620
16	681	386	0	231	0	556	618	640	610	378	298	610
17	673	750	0	280	0	510	599	653	604	351	593	605
18	653	809	0	292	0	517	621	682	568	348	578	611
19	392	736	272	319	0	553	343	682	559	156	573	589
20	750	566	302	326	0	574	654	614	212	350	564	328
21	721	402	653	326	0	578	626	634	0	358	564	616
22	722	284	464	322	0	331	596	627	408	351	564	642
23	709	0	0	329	0	565	420	629	567	350	300	630
24	722	0	0	356	0	599	0	594	543	303	530	605
25	695	0	0	274	0	563	0	348	408	320	525	605
26	439	232	0	409	0	195	216	607	246	26	534	601
27	784	416	0	300	0	0	640	622	523	0	518	345
28	784	695	0	280	0	0	654	629	270	0	573	618
29	764	692	0	321	—	0	654	622	0	59	543	626
30	764	644	0	0	—	0	693	644	406	395	293	557
31	764	.....	0	0	—	614	.....	30	.....	416	539	.....
Mean	655	568	225	146	49	345	517	561	373	362	495	549
Max.	784	809	718	409	411	614	693	750	614	558	605	700
Min.	252	0	0	0	0	0	0	0	0	0	236	183
A. F.	40302	33814	13862	8932	2701	21185	30756	34522	22177	22314	30393	32696

Water diverted 293654 A. F.
*Accuracy of this record is considered fair.

BROWNS CREEK CANAL
Diverted from North Platte River and Pathfinder Reservoir

Day	Oct.	May	June	July	Aug.	Sept.
1	39	0	0	39	9	58
2	39	0	0	38	13	56
3	39	0	0	28	32	39
4	39	0	0	30	21	28
5	37	0	0	34	4	14
6	37	0	0	40	5	21
7	37	0	0	46	5	29
8	36	0	0	45	0	30
9	34	0	0	35	0	21
10	35	0	0	25	0	21
11	33	0	0	88	0	21
12	27	0	0	41	0	26
13	27	0	0	46	0	26
14	27	0	0	48	38	27
15	27	0	0	67	36	24
16	27	0	0	73	36	24
17	28	0	0	79	40	25
18	29	0	0	70	58	12
19	0	0	0	65	66	18
20	0	0	7	92	63	18
21	0	0	7	75	60	2
22	0	0	40	66	59	2
23	0	0	40	76	57	2
24	0	0	43	68	48	2
25	0	0	44	38	41	2
26	0	0	52	36	48	2
27	0	0	54	34	52	31
28	0	0	43	21	51	32
29	0	0	29	17	56	33
30	0	0	40	31	55	26
31	0	0	....	36	55	....
Mean	19	0	13	49	32	22
Max.	39	0	54	92	66	58
Min.	0	0	0	17	0	2
A. F.	1180	0	790	3030	2000	1330

Acreage Reported
D-857, -1033 6054

Area reported 6054 acres.
Per acre 1.38 A. F.
No storage water diverted.
Water diverted 8330 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

CASTLE ROCK CANAL
Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	34	0	0	12	83	66
2	35	0	0	19	80	66
3	32	0	0	25	75	70
4	32	0	0	39	75	71
5	30	0	3	39	71	71
6	30	0	6	43	66	73
7	30	0	10	69	72	74
8	25	0	9	78	76	75
9	21	0	11	78	66	76
10	20	0	11	63	72	76
11	19	0	12	0	74	74
12	22	0	12	25	80	74
13	26	0	26	64	82	75
14	26	0	25	74	82	75
15	26	0	22	75	80	73
16	24	0	19	75	82	71
17	25	0	16	76	83	70
18	28	0	13	78	85	67
19	28	0	15	79	82	49
20	28	0	18	19	83	47
21	29	0	20	0	79	49
22	26	0	22	0	77	53
23	25	0	25	28	79	52
24	26	0	25	68	70	54
25	26	0	26	68	79	54
26	18	0	26	68	78	52
27	0	0	21	66	78	51
28	0	0	9	63	81	50
29	0	0	9	67	77	51
30	0	0	9	72	78	50
31	0	0		86	75	
Mean	22	0	14	52	77	63
Max.	35	0	26	86	85	76
Min.	0	0	0	0	66	47
A. F.	1370	0	830	3200	4760	3790

Area reported 5987 acres. Acreage
Water diverted 13950 A. F. Reported
Per acre 2.32 A. F. D-921 5987

CHIMNEY ROCK CANAL
Diverted from North Platte River and Pathfinder Reservoir

Day	Oct.	May	June	July	Aug.	Sept.
1	10	0	0	12	43	47
2	9	0	0	35	37	42
3	7	0	0	32	39	41
4	4	0	0	19	42	33
5	4	0	0	15	41	32
6	5	0	0	14	29	30
7	6	0	0	19	22	24
8	8	0	0	19	37	21
9	9	0	0	37	33	20
10	10	0	0	38	48	24
11	8	0	0	58	48	26
12	10	0	0	56	54	23
13	10	0	0	50	54	20
14	9	0	0	51	61	21
15	9	0	0	62	48	24
16	9	0	0	43	54	23
17	8	0	0	34	56	25
18	8	0	0	45	58	21
19	8	0	0	62	65	15
20	8	0	0	67	63	17
21	8	0	0	50	59	25
22	8	0	0	37	60	15
23	8	0	0	29	60	15
24	8	0	0	31	55	17
25	8	0	0	36	63	15
26	8	0	0	31	56	15
27	8	0	0	33	54	14
28	6	0	0	43	62	14
29	4	0	0	38	54	14
30	0	0	0	38	50	14
31	0	0		42	52	
Mean	7	0	0	38	50	23
Max.	10	0	0	67	65	47
Min.	0	0	0	12	22	14
A. F.	445	0	0	2330	3090	1360

Water diverted 7225 A. F.
(See next page for summary in acre-feet of Chimney Rock Canal.)

CENTRAL CANAL
Diverted from North Platte River and Pathfinder Reservoir

Day	May	June	July	Aug.	Sept.
1	0	8	13	26	23
2	0	8	12	22	22
3	0	0	14	23	22
4	0	0	15	20	21
5	0	0	15	18	21
6	0	9	20	21	22
7	0	0	21	20	23
8	0	8	26	21	22
9	0	10	23	22	18
10	0	9	20	24	19
11	0	10	22	23	19
12	0	0	25	24	20
13	0	0	24	25	19
14	0	0	25	24	18
15	0	0	26	22	15
16	0	0	26	22	15
17	0	0	23	23	16
18	0	0	20	21	15
19	0	0	22	19	15
20	0	0	17	20	14
21	0	0	19	21	9
22	0	0	21	20	0
23	0	9	21	22	0
24	0	10	21	20	0
25	0	11	24	21	0
26	0	8	25	20	0
27	2	24	28	22	0
28	0	11	29	19	0
29	8	9	29	21	0
30	9	0	30	21	0
31	0		29	21	0
Mean	0.6	5	22	21	13
Max.	9	24	30	26	23
Min.	0	0	12	18	0
A. F.	38	285	1360	1320	770

Area reported 2127 acres. Acreage
Water diverted 3773 A. F. Reported
Per acre 1.77 A. F. D-926 2127
No storage water diverted.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

CHIMNEY ROCK CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	445	0	0	2330	3090	1360	7225
Returned through:—							
Spillway No. 1	*	0	0	0	265	230	495
Spillway No. 2	*	0	0	0	56	100	156
Total spill	*	0	0	0	321	330	651
Net diverted	445	0	0	2330	2769	1030	6574

Area reported 5713 acres.
Net diverted 6574 A. F.
Per acre 1.15 A. F.
No storage water diverted.
*No record.

Acreage Reported	
D-884, -1031	5666
A-2190	47
Total	5713

CIRCLE ARROW CANAL
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	4
2	0	0	0	0	4
3	0	0	0	0	4
4	0	0	0	0	4
5	0	0	0	0	4
6	0	6	0	0	4
7	0	6	0	0	4
8	0	6	0	0	4
9	0	6	0	0	4
10	0	6	0	0	4
11	0	6	0	0	4
12	0	6	0	0	5
13	0	6	0	0	5
14	0	6	0	0	5
15	0	6	0	0	5
16	0	6	0	0	5
17	0	5	0	0	5
18	0	5	0	0	5
19	0	5	0	0	5
20	0	6	0	0	5
21	0	5	0	0	5
22	0	5	0	0	5
23	0	6	0	3	4
24	0	6	0	3	4
25	0	1	0	3	4
26	0	1	0	3	4
27	0	1	0	5	5
28	0	1	0	5	6
29	0	1	0	5	6
30	0	0	0	5	6
31	0	–	0	5	–
Mean	0	4	0	1	5
Max.	0	6	0	5	6
Min.	0	0	0	0	4
A. F.	0	226	0	73	274

Area reported 260 acres.
Water diverted 573 A. F.
Per acre 2.20 A. F.

Acreage Reported	
D-346	*260

*1941 report.

CLEAR CREEK CANAL
Diverted from Clear Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	3	0
7	0	0	0	4	0
8	0	0	0	4	0
9	0	0	0	4	0
10	0	0	2	4	0
11	0	0	2	3	0
12	0	0	2	0	0
13	0	0	2	4	0
14	0	0	2	4	0
15	0	0	2	4	0
16	0	0	4	4	0
17	0	0	4	4	0
18	0	0	4	4	0
19	0	0	4	4	0
20	0	0	0	4	0
21	0	0	0	4	0
22	0	0	0	1	0
23	0	0	0	1	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	–	0	0	–
Mean	0	0	1	2	0
Max.	0	0	4	4	0
Min.	0	0	0	0	0
A. F.	0	0	56	120	0

Area reported 145 acres.
Water diverted 176 A. F.
Per acre 1.21 A. F.

Acreage Reported	
D-748	145

DISCHARGE OF CANALS IN SECOND-FEET. 1942—CONTINUED

CODY-DILLON CANAL
Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	6	0	0	4	26	24
2	6	0	0	2	22	0
3	6	0	0	5	18	3
4	6	0	0	5	20	0
5	5	0	0	5	22	0
6	5	0	0	6	24	0
7	2	0	0	6	22	0
8	3	0	0	7	18	0
9	3	0	0	8	16	0
10	0	0	0	8	16	0
11	0	0	0	7	15	0
12	0	0	0	7	15	0
13	0	0	0	14	15	0
14	0	0	0	16	16	0
15	0	0	6	15	15	0
16	0	0	10	14	11	0
17	0	0	14	19	10	0
18	0	0	12	26	8	0
19	0	0	12	36	8	0
20	0	0	14	38	8	0
21	0	0	8	40	22	0
22	0	0	5	37	22	0
23	0	0	5	36	24	0
24	0	0	5	39	22	8
25	0	0	5	35	23	10
26	0	0	5	34	26	14
27	0	0	4	32	26	14
28	0	0	5	29	24	12
29	0	0	6	27	24	0
30	0	0	6	26	20	0
31	0	0	..	26	20	..
Mean	1	0	4	20	19	3
Max.	6	0	14	40	26	24
Min.	0	0	0	2	8	0
A. F.	77	0	240	1210	1150	170

Acreage	Reported
D-649	4660

Area reported 4660 acres.
Water diverted 2847 A. F.
Per acre 0.61 A. F.

COLUMBUS POWER DIVERSION NEAR GENOA
Diverted from Loup River

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1850	2000	1850	390	290	1110	1980	2260	2870	2370	733	1070
2	1870	1890	1670	410	596	1170	1840	2330	2760	1890	837	1290
3	2070	1920	1650	330	1490	1190	2040	1830	2730	1680	829	1890
4	2360	1850	1620	390	1720	1240	2060	1790	2000	1740	805	2410
5	2030	1960	1680	435	1810	936	2080	1850	1870	1710	733	2940
6	2810	2030	1870	510	2180	1020	2280	1820	2040	1700	1070	2260
7	2760	1990	1930	575	2450	1280	2210	1710	2390	1560	1590	1820
8	2530	1940	1920	695	2150	1600	2180	1710	2010	1490	1410	1770
9	2070	1930	1870	756	596	1750	2010	1690	2000	1380	954	1730
10	1780	1910	416	868	451	1550	1970	1690	2050	1300	1300	1620
11	1710	1980	141	909	430	1890	1940	1780	1990	1230	1330	1550
12	1680	1880	532	909	374	1650	1900	1970	1610	1240	1220	1510
13	1580	1850	636	900	423	2140	1820	2020	1530	1170	1240	1590
14	1580	1860	612	954	708	2110	1800	2050	1540	1170	1280	1710
15	1650	1880	990	1020	936	1930	1720	2050	1490	1060	1530	1790
16	1790	1850	1550	1040	852	1870	1610	1990	1550	1010	1540	1700
17	1700	1850	1850	1140	262	2000	1720	2030	1530	884	1490	1660
18	1670	1790	2210	1140	340	1900	1760	2050	1570	852	1320	1650
19	1670	1950	2320	1170	458	1770	1770	2020	1590	884	1240	1700
20	1710	2120	2470	1220	416	1730	1890	1980	1990	788	1160	1840
21	1840	1990	2270	1230	644	1850	2030	1910	2380	836	1130	1680
22	2610	1770	2160	1220	972	1460	2050	1930	2920	884	1040	1650
23	1910	381	2160	1250	981	1610	1830	1910	2880	780	1060	1660
24	1850	524	928	1310	1010	1660	1810	1910	2560	772	954	1740
25	1830	886	204	1480	1040	1590	2120	1920	2940	828	1010	1900
26	1980	1850	137	1610	981	1510	2300	1720	2780	804	963	2150
27	2080	2010	133	1680	990	1550	2160	1670	2450	804	1060	1960
28	2220	2080	103	1730	1010	1470	1870	1610	2310	804	1350	1870
29	2140	1990	370	1760	.....	1810	1880	1530	3020	748	1320	1680
30	2190	1950	564	1750	.....	2120	2090	1520	2710	716	1270	1610
31	2170	.....	668	444	.....	2060	.....	1780	.....	749	1200	.....
Mean	1990	1789	1271	1010	947	1630	1957	1875	2202	1160	1158	1780
Max.	2810	2120	2470	1760	2450	2140	2300	2330	3020	2370	1590	2940
Min.	1580	381	103	330	262	936	1610	1520	1490	716	733	1070
A. F.	122400	106800	78320	61940	52680	100220	116470	115100	131030	71070	71340	105920

Water diverted 1133300 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

COURT HOUSE ROCK CANAL
Diverted from Pumpkinseed Creek

Day	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	10	13	0	0	15	0	12	16
2	10	13	0	0	16	0	12	17
3	10	13	0	0	17	0	13	17
4	10	13	0	0	17	0	13	14
5	10	14	0	0	18	0	15	13
6	10	13	0	0	18	0	6	16
7	11	13	0	0	18	0	2	17
8	13	13	0	0	18	0	8	16
9	13	9	0	0	11	0	16	16
10	13	0	0	0	7	0	16	16
11	13	0	0	0	8	0	16	16
12	13	0	0	0	8	0	16	16
13	13	0	0	0	9	0	16	15
14	13	0	0	0	10	0	17	15
15	13	0	0	0	9	0	15	15
16	12	0	0	0	9	16	15	15
17	13	0	0	0	9	16	15	15
18	13	0	10	0	10	16	16	15
19	13	0	20	0	8	16	16	15
20	12	0	20	0	8	17	16	16
21	12	0	20	0	9	20	17	16
22	12	0	20	0	2	19	16	16
23	12	0	20	0	0	19	17	16
24	12	0	20	0	0	18	15	16
25	12	0	20	0	0	18	15	16
26	12	0	22	0	0	19	15	16
27	12	0	10	0	0	19	15	16
28	12	0	5	8	0	19	15	16
29	12	0	5	14	0	19	15	16
30	12	0	5	14	0	19	15	16
31	12	..	..	15	..	20	15	....
Mean	12	4	7	2	8	9	14	16
Max.	13	14	22	15	18	20	17	17
Min.	11	0	0	0	0	0	2	13
A. F.	730	225	390	100	505	575	875	935

Area reported 1860 acres.
Water diverted 4335 A. F.
Per acre 2.32 A. F.

Acreage Reported	
D-840, -1028	1830
A-851	30
Total	1860

COZAD CANAL
Diverted from Platte River and Sutherland Reservoir

Day	Oct.	Nov.	Dec.	June	July	Aug.	Sept.
1	30	29	15	0	0	180	75
2	30	30	35	0	0	169	47
3	30	29	38	0	2	150	0
4	28	20	28	13	32	150	0
5	28	16	0	79	47	152	0
6	26	14	16	36	48	154	0
7	24	10	32	42	49	139	0
8	24	13	29	48	74	112	0
9	24	24	28	42	52	108	0
10	22	29	42	26	56	110	0
11	20	31	0	23	72	105	0
12	24	16	0	34	63	110	0
13	24	26	0	44	77	119	0
14	26	35	0	24	75	68	0
15	23	33	0	25	73	87	0
16	23	29	0	30	90	77	0
17	23	30	0	32	68	61	0
18	22	33	0	40	149	84	0
19	24	44	0	40	170	64	0
20	22	35	0	56	186	68	0
21	21	22	0	32	186	77	0
22	21	0	0	30	86	77	0
23	19	0	0	24	106	78	0
24	20	0	0	37	163	78	0
25	30	0	0	0	183	68	0
26	28	0	0	0	104	73	0
27	21	0	0	0	44	75	0
28	26	0	0	0	176	70	0
29	31	3	0	0	164	74	0
30	30	11	0	0	146	72	0
31	28	..	0	..	154	71	..
Mean	25	18	8	25	93	100	4
Max.	31	44	42	79	186	180	75
Min.	19	0	0	0	0	61	0
A. F.	1520	1115	520	1500	5740	6110	240

Water diverted 16745 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

COZAD CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	Dec.	June	July	Aug.	Sept.	Total
Diverted from Platte River	1520	1115	520	1500	5740	6110	240	16745
Spill into Dawson County Canal	*	*	*	0	200	1850	140	2190
Net diverted	1520	1115	520	1500	5540	4260	100	14555

Area reported 25190 acres.
Net diverted 14555 A. F., including storage.
Per acre 0.58 A. F.
Storage water diverted 1829 A. F.
*No record.

Acreage	Reported
D-626	25190

CULBERTSON CANAL
Diverted from Frenchman River and Stinking Water Creek

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	13	24	0	43	13	96	78
2	13	12	0	37	13	92	34
3	12	0	0	31	13	97	24
4	21	0	0	24	19	97	38
5	37	0	0	34	32	97	47
6	40	0	0	31	37	101	45
7	28	0	0	50	27	100	45
8	34	0	0	53	28	96	45
9	31	0	0	46	29	93	42
10	31	0	0	32	39	93	40
11	40	0	0	54	32	96	37
12	39	0	0	60	37	93	28
13	37	0	0	13	43	91	18
14	37	0	0	11	56	84	15
15	39	0	0	12	71	66	15
16	38	0	0	12	77	70	15
17	39	0	0	11	74	77	17
18	39	0	0	17	80	78	17
19	37	0	0	14	78	76	17
20	38	0	0	12	74	76	17
21	40	0	0	12	74	73	17
22	40	0	0	13	76	70	16
23	40	0	0	14	81	66	17
24	40	0	0	15	94	76	16
25	40	0	6	16	88	75	17
26	40	0	48	14	88	85	17
27	34	0	39	14	84	79	17
28	30	0	24	14	93	78	17
29	27	0	39	14	102	77	17
30	24	0	54	13	99	75	17
31	24	..	42	..	102	81	..
Mean	33	1	8	25	60	84	27
Max.	40	24	54	60	102	101	78
Min.	12	0	0	11	13	66	15
A. F.	2030	70	500	1460	3670	5170	1590

Area reported 10611 acres.
Water diverted 14490 A. F.
Per acre 1.36 A. F.

Acreage	Reported
D-24, -25, -29, -30	10611

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

DAWSON COUNTY CANAL
Diverted from Platte River and Sutherland Reservoir

Day	Oct.	July	Aug.	Sept.
1	154	0	258	86
2	158	0	320	139
3	158	0	374	0
4	148	0	340	0
5	135	0	340	0
6	117	0	349	0
7	103	0	338	0
8	100	0	327	0
9	100	0	313	53
10	99	0	201	38
11	100	0	298	25
12	101	0	235	23
13	110	0	253	26
14	106	0	272	26
15	101	45	290	22
16	121	57	274	19
17	131	20	238	18
18	130	7	238	16
19	130	60	235	15
20	127	148	230	15
21	126	140	227	10
22	131	103	219	9
23	131	190	188	7
24	121	224	166	5
25	119	211	158	26
26	106	208	167	0
27	31	141	184	0
28	0	208	190	0
29	0	310	191	0
30	0	318	119	0
31	0	186	95	..
Mean	103	89	249	19
Max.	158	318	374	139
Min.	0	0	95	0
A. F.	6335	5465	15310	1145

Water diverted 28255 A. F.

DAWSON COUNTY CANAL
Diverted from Cozad Canal Tail Spill—Sec. 6-10-22 W.

Day	July	Aug.	Sept.
1	0	0	15
2	0	45	47
3	0	39	9
4	0	31	0
5	0	36	0
6	0	25	0
7	0	22	0
8	0	16	0
9	0	41	0
10	8	32	0
11	13	7	0
12	15	16	0
13	8	39	0
14	15	34	0
15	2	42	0
16	2	43	0
17	2	40	0
18	0	43	0
19	4	43	0
20	1	37	0
21	7	30	0
22	2	35	0
23	2	32	0
24	3	37	0
25	1	35	0
26	2	41	0
27	1	38	0
28	0	3	0
29	10	14	0
30	1	24	0
31	1	13	..
Mean	3	30	2
Max.	15	45	47
Min.	0	0	0
A. F.	200	1850	140

Water diverted 2190 A. F.

DAWSON COUNTY CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
Platte River	6335	0	0	5465	15310	1145	28255
Cozad Canal tail spill	*	0	0	200	1850	140	2190
Total diversion	6335	0	0	5665	17160	1285	30445
Spill into:—							
French Creek	*	0	0	130	940	460	1530
Elm Creek	*	0	0	0	0	0	0
Strever Creek	*	*	*	*	*	*	*
Net diverted	6335	0	0	5535	16220	825	28915

Area reported 92363 acres.
Net diverted 28915 A. F., including storage.
Per acre 0.31 A. F.
Storage water diverted 766 A. F.
*No record.

Acreage	Reported
D-621R	500
D-622	63593
D-624	3040
A-2039	5113
A-2093	213
A-2110	18129
A-2145	886
A-2262	889
Total	92363

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

ELM CREEK CANAL

Diverted from Platte River and Sutherland Reservoir

Day	Oct.	Nov.	Dec.	Apr.	May	June	July	Aug.	Sept.
1	9	12	11	0	54	0	0	34	38
2	8	13	10	0	45	0	0	34	41
3	7	15	11	0	8	0	0	37	16
4	7	14	14	0	14	0	0	56	6
5	7	12	12	0	12	0	0	57	2
6	7	13	10	0	14	0	0	47	0
7	8	13	0	0	11	0	0	62	0
8	8	13	0	0	10	0	0	29	0
9	8	12	0	8	10	0	0	68	0
10	9	12	0	15	9	0	0	70	0
11	11	12	0	19	5	0	0	68	0
12	10	10	0	14	0	0	0	38	0
13	12	10	0	14	..	0	3	69	0
14	11	10	0	11	..	0	9	45	0
15	10	10	0	17	..	0	9	44	0
16	10	11	0	13	..	0	9	60	0
17	10	10	0	17	..	0	7	68	0
18	10	10	0	18	..	0	11	60	0
19	10	10	0	16	..	0	12	44	0
20	10	8	0	12	..	0	9	62	0
21	12	8	0	10	..	0	6	60	0
22	10	8	0	12	..	0	12	32	0
23	10	8	0	14	..	0	0	9	0
24	8	8	0	15	..	0	0	12	0
25	8	8	0	13	..	0	3	16	0
26	10	8	0	10	..	0	14	16	0
27	10	9	0	10	..	0	14	15	0
28	7	10	0	7	..	0	14	29	0
29	8	10	0	15	..	0	27	31	0
30	9	11	0	39	..	0	22	24	0
31	9	..	0	..	..	..	34	19	..
Mean	9	11	2	11	6	0	7	42	3
Max.	12	15	14	39	54	0	34	70	41
Min.	7	8	0	0	0	0	0	9	0
A. F.	560	630	135	633	380	0	426	2608	204

Area reported 15853 acres.

	Acreage Reported
A-2104	15853

Water diverted 5576 A. F., including storage.

Per acre 0.35 A. F.

Storage water diverted 664 A. F.

EMPIRE CANAL

Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	7
2	0	0	0	0	7
3	0	0	1	0	7
4	0	0	4	0	5
5	0	0	3	0	2
6	0	0	3	0	2
7	0	0	3	0	2
8	0	0	3	0	2
9	0	0	5	2	3
10	0	0	6	3	4
11	0	0	9	3	8
12	0	0	8	4	7
13	0	0	9	4	6
14	0	0	9	7	6
15	0	0	9	13	6
16	0	0	9	14	7
17	0	0	9	14	6
18	0	0	9	14	5
19	0	0	7	15	4
20	0	0	5	15	4
21	0	0	0	13	3
22	0	0	0	7	4
23	0	0	0	7	6
24	0	0	7	7	5
25	0	0	7	7	4
26	0	0	5	7	3
27	0	0	5	8	2
28	0	0	3	8	2
29	0	0	0	8	2
30	0	0	0	8	2
31	0	..	0	8	..
Mean	0	0	4	6	4
Max.	0	0	9	15	8
Min.	0	0	0	0	2
A. F.	0	0	275	390	265

Area reported 1550 acres.

Water diverted 930 A. F.

Per acre 0.60 A. F.

	Acreage Reported
D-858	1480
A-866	70
Total	1550

ENTERPRISE CANAL

Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	62	0	33	50	84	90
2	64	0	32	51	79	90
3	55	0	30	77	77	81
4	56	0	49	82	76	74
5	51	0	39	92	84	82
6	52	0	46	88	105	83
7	55	0	48	87	106	88
8	55	0	45	86	107	92
9	53	0	56	86	112	86
10	51	0	67	94	90	79
11	51	0	69	106	104	87
12	51	0	65	106	98	93
13	51	0	64	111	94	95
14	38	0	61	115	96	87
15	38	0	70	115	107	54
16	41	0	72	106	106	44
17	40	0	74	103	107	40
18	40	0	72	101	108	61
19	36	0	63	103	105	51
20	36	10	60	109	96	56
21	34	26	62	106	92	51
22	33	30	59	106	84	45
23	32	31	59	101	84	54
24	32	30	62	104	87	56
25	32	31	49	83	89	57
26	33	36	52	84	88	56
27	34	36	58	104	90	28
28	34	37	53	97	90	0
29	12	36	52	108	92	0
30	0	36	50	103	90	0
31	0	33	..	93	90	..
Mean	40	12	56	95	94	62
Max.	64	37	74	115	112	98
Min.	0	0	30	50	76	0
A. F.	2480	740	3310	5860	5790	3700

Water diverted 21880 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

ENTERPRISE CANAL
Diverted from Stewart and Morrill Drains

Day	Oct.	May	June	July	Aug.	Sept.
1	2	0	0	0	2	4
2	2	0	0	0	2	4
3	2	0	0	0	2	4
4	2	0	0	0	2	4
5	2	0	0	0	3	4
6	2	0	0	0	3	4
7	2	0	0	0	3	4
8	2	0	0	0	3	4
9	2	0	0	0	3	4
10	2	0	0	0	3	4
11	2	0	0	0	3	4
12	2	0	0	0	3	4
13	2	0	0	0	3	4
14	2	0	0	0	3	4
15	2	0	0	0	3	4
16	2	0	0	1	3	5
17	2	0	0	1	3	5
18	2	0	0	1	3	5
19	2	0	0	1	3	5
20	2	0	0	1	3	5
21	2	0	0	1	3	5
22	2	0	0	1	3	5
23	2	0	0	2	3	5
24	2	0	0	2	3	5
25	2	0	0	2	3	5
26	2	0	0	2	3	5
27	2	0	0	2	3	5
28	2	0	0	2	3	5
29	2	0	0	2	3	5
30	0	0	0	2	3	5
31	0	0		2	3	
Mean	2	0	0	1	3	4
Max.	2	0	0	2	3	5
Min.	0	0	0	0	2	4
A. F.	115	0	0	50	177	268

Water diverted 610 A. F.

ENTERPRISE CANAL
Diverted from Wet Spotted Tail Creek

Day	Oct.	May	June	July	Aug.	Sept.
1	8	5	6	5	13	13
2	8	5	6	5	13	15
3	8	5	6	5	13	16
4	8	5	6	5	13	14
5	8	5	6	7	13	14
6	6	5	6	7	13	13
7	6	5	6	7	13	12
8	6	5	6	7	13	12
9	6	5	6	7	13	12
10	6	5	6	9	13	12
11	6	5	6	9	13	12
12	6	5	6	9	13	12
13	6	5	6	9	13	12
14	6	5	6	9	14	12
15	6	5	6	9	14	12
16	5	5	5	12	14	12
17	5	6	5	12	14	10
18	5	6	5	12	14	10
19	5	6	5	12	14	10
20	5	6	5	12	14	10
21	5	6	5	12	14	10
22	5	6	5	13	13	10
23	5	6	5	13	13	10
24	5	6	5	13	13	10
25	5	6	5	13	13	10
26	5	6	5	13	13	10
27	5	6	5	13	13	10
28	5	6	5	13	13	10
29	5	6	5	13	13	10
30	0	6	5	13	13	10
31	0	6		13	13	
Mean	6	5	5	10	13	12
Max.	8	6	6	13	14	15
Min.	0	5	5	5	13	10
A. F.	340	340	330	620	815	685

Water diverted 3130 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

ENTERPRISE CANAL
Diverted from Tub Springs

Day	Oct.	May	June	July	Aug.	Sept.
1	0	0	0	2	13	0
2	1	0	0	19	6	0
3	0	0	4	27	20	0
4	2	0	0	23	24	0
5	5	0	4	19	24	0
6	3	0	2	14	17	0
7	0	0	0	14	15	0
8	2	0	0	13	15	0
9	4	2	13	12	8	0
10	7	0	0	12	12	0
11	13	0	0	12	13	0
12	4	0	0	12	16	0
13	0	0	0	12	18	0
14	0	0	0	14	28	0
15	0	0	0	18	18	0
16	0	0	0	18	10	0
17	0	0	0	17	1	0
18	2	0	0	18	11	0
19	0	0	5	18	18	0
20	0	0	2	16	24	0
21	2	0	0	14	27	0
22	0	0	0	17	20	0
23	0	0	0	17	5	0
24	0	0	0	17	8	0
25	0	0	0	19	6	0
26	0	0	0	17	6	0
27	0	0	0	0	9	0
28	4	0	0	10	8	0
29	10	0	0	13	4	0
30	7	0	0	5	1	0
31	7	0	..	2	0	..
Mean	2	0	1	14	13	0
Max.	13	2	13	27	28	0
Min.	0	0	0	0	0	0
A. F.	145	4	60	875	800	0

Water diverted 1884 A. F.

ENTERPRISE CANAL
Diverted from Winters Creek

Day	Oct.	May	June	July	Aug.	Sept.
1	5	0	3	3	5	6
2	5	0	5	3	5	7
3	5	0	5	3	5	7
4	5	0	5	3	5	7
5	5	0	5	4	6	6
6	5	0	5	2	6	6
7	5	0	5	2	6	4
8	5	0	5	2	16	2
9	5	0	5	2	19	2
10	5	0	5	2	7	6
11	5	0	5	2	7	6
12	5	0	6	2	6	5
13	4	0	7	2	5	5
14	4	0	6	2	4	5
15	2	0	7	2	4	5
16	0	0	8	2	3	5
17	0	0	5	5	4	5
18	0	0	5	5	2	6
19	0	0	6	6	2	6
20	0	0	6	5	7	4
21	0	0	6	5	7	3
22	0	0	7	5	7	3
23	0	0	6	5	7	3
24	0	0	6	5	7	3
25	0	0	6	4	7	4
26	0	0	5	4	6	3
27	0	1	5	5	7	4
28	0	2	5	5	7	2
29	0	2	5	4	7	0
30	0	2	5	4	7	0
31	0	2	..	4	7	..
Mean	2	0.3	5	4	6	4
Max.	5	2	8	6	19	7
Min.	0	0	3	2	2	0
A. F.	140	18	325	215	395	260

Water diverted 1353 A. F.

(See next page for summary in acre-feet of Enterprise Canal.)

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

ENTERPRISE CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River	2480	740	3310	5860	5790	3700	21880
Morrill and Stewart Drains	115	0	0	50	177	268	610
Wet Spotted Tail Creek	340	340	330	620	815	685	3130
Tub Springs	145	4	60	875	800	0	1884
Winters Creek	140	18	325	215	395	260	1353
Total diverted	3220	1102	4025	7620	7977	4913	28857
Spill into:—							
Tub Springs	175	400	740	12	8	1210	2545
Winters Creek	570	310	935	885	640	1330	4670
Total spill	745	710	1675	897	648	2540	7215
Net diverted	2475	392	2350	6723	7329	2373	21642

Area reported 7426 acres.
Net diverted 21642 A. F.
Per acre 2.92 A. F.

Acreage Reported	
D-920	7273
D-920 (O. D. 2409)	153
Total	7426

FORT LARAMIE CANAL
Diverted from North Platte River, Pathfinder and Guernsey Reservoirs

Day	May	June	July	Aug.	Sept.
1	0	646	524	1130	1410
2	0	432	590	1150	1400
3	0	398	645	1220	1410
4	0	396	743	1270	1400
5	0	397	871	1340	1390
6	0	397	940	1380	1350
7	0	397	1074	1380	1320
8	0	404	1278	1410	1320
9	0	399	1320	1380	1310
10	0	439	1390	1430	1260
11	0	448	1490	1430	1260
12	0	470	1480	1430	1240
13	0	448	1470	1430	1193
14	0	454	1470	1430	1143
15	0	474	1470	1430	1125
16	0	497	1470	1430	1115
17	0	522	1480	1430	1079
18	0	531	1480	1430	1000
19	0	574	1480	1430	742
20	0	597	1480	1430	636
21	0	630	1420	1430	612
22	0	616	1350	1430	631
23	0	576	1320	1420	580
24	0	578	1310	1410	518
25	0	578	1330	1420	364
26	0	476	1280	1430	140
27	386	425	1280	1430	0
28	351	423	1240	1430	0
29	367	423	1200	1430	0
30	551	465	1160	1430	0
31	489	.....	1130	1420	.....
Mean	69	483	1230	1390	898
Max.	551	646	1490	1430	1410
Min.	0	396	524	1130	0
A. F.	4250	28780	75700	85430	53450

Total area irrigated estimated at 105440 acres.
Area in Nebraska estimated at 54790 acres.
Water diverted for irrigation 247610 A. F.
Per acre 2.34 A. F.

GERING CANAL
Diverted from North Platte River and Pathfinder Reservoir

Day	May	June	July	Aug.	Sept.
1	0	0	95	148	125
2	0	0	97	150	125
3	0	0	142	151	125
4	0	0	159	152	126
5	0	56	159	152	115
6	0	63	156	133	106
7	0	61	185	129	105
8	0	86	203	129	105
9	0	97	210	129	103
10	0	98	214	129	99
11	0	98	186	128	103
12	0	98	151	128	102
13	0	99	152	128	103
14	0	97	152	128	102
15	0	97	152	126	101
16	0	95	151	125	102
17	0	98	152	124	103
18	0	95	152	124	103
19	0	97	150	124	136
20	0	98	152	120	111
21	0	99	24	123	101
22	0	97	8	124	88
23	0	97	6	124	1
24	0	97	6	125	1
25	0	98	6	128	1
26	0	95	103	129	1
27	0	97	155	128	0
28	0	99	151	126	0
29	0	95	154	128	0
30	0	95	151	126	0
31	0	.....	150	124	.....
Mean	0	80	132	130	80
Max.	0	99	214	152	136
Min.	0	0	6	120	0
A. F.	0	4760	8100	8020	4750

Area reported 14254 acres.
Water diverted 25630 A. F., including storage.

Acreage Reported	
A-365	14254

Per acre 1.80 A. F.
Storage water diverted 15870 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

GOTHENBURG DIVERSION CANAL
Diverted from Platte River

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
1	224	243	178	160	78	85	168	174	113	168	355	273
2	229	245	181	170	98	110	178	152	188	176	362	211
3	222	267	171	170	103	120	168	133	193	158	371	183
4	215	247	181	170	141	140	149	158	224	162	371	193
5	206	253	190	170	158	157	133	131	200	165	382	215
6	190	243	181	165	165	157	130	141	209	127	386	215
7	183	243	186	165	155	127	122	154	220	87	382	197
8	188	241	181	165	130	138	120	174	154	79	373	173
9	178	245	176	165	124	155	114	162	166	56	351	154
10	179	245	121	165	149	144	108	121	202	84	371	127
11	181	172	181	175	131	170	104	154	218	225	342	110
12	227	0	141	175	100	163	102	157	207	231	357	91
13	239	58	176	175	80	166	102	158	202	173	346	108
14	213	184	176	175	80	152	98	152	200	231	360	102
15	213	186	144	175	100	155	91	138	193	86	353	90
16	202	183	138	170	100	155	85	112	195	63	351	80
17	195	183	149	170	70	144	84	162	197	224	313	73
18	209	181	141	170	60	150	113	162	183	275	309	216
19	220	176	154	170	60	140	188	174	190	307	318	216
20	225	174	168	170	80	144	154	173	156	299	320	74
21	229	173	163	180	80	152	170	157	183	301	283	69
22	249	162	154	180	80	154	149	158	184	316	259	68
23	257	104	117	180	80	158	131	149	163	305	285	69
24	263	121	117	180	80	144	154	157	158	338	279	85
25	259	157	76	180	80	143	176	157	163	197	273	157
26	265	183	105	190	80	100	174	150	163	113	271	155
27	243	171	100	224	70	130	174	149	166	239	273	150
28	233	168	90	209	70	152	174	170	158	327	253	143
29	224	166	100	191	...	146	181	154	166	295	231	138
30	235	173	140	190	...	126	171	113	176	360	224	134
31	243	...	130	154	...	168	...	72	...	338	213	...
Mean	220	185	149	174	100	143	139	149	183	210	320	142
Max.	265	267	190	224	165	170	188	174	224	360	386	273
Min.	178	0	76	100	60	85	84	72	113	56	213	73
A. F.	13560	11000	9140	10690	5540	8820	8260	9180	10890	12900	19670	8470

Water diverted 128120 A. F.

GOTHENBURG IRRIGATION CANAL
Diverted from Platte River and Sutherland Reservoir

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	48	70	0	17	3	180	76
2	48	78	0	18	2	190	36
3	49	69	0	27	2	196	36
4	49	73	0	29	2	199	53
5	50	71	0	28	0	204	67
6	49	68	0	46	0	209	56
7	41	67	0	55	0	208	79
8	34	66	0	35	0	208	22
9	26	59	0	41	20	207	22
10	23	58	0	41	46	207	18
11	23	57	0	51	29	210	16
12	23	41	0	44	23	204	20
13	49	22	0	13	19	208	22
14	51	14	0	14	33	200	19
15	43	5	0	11	63	194	17
16	46	0	0	11	16	161	17
17	38	0	0	12	99	140	17
18	36	0	0	11	126	119	21
19	38	0	0	9	112	112	21
20	46	0	0	12	124	122	21
21	52	0	0	12	127	113	25
22	60	0	0	14	116	68	31
23	68	0	0	11	146	82	31
24	71	0	0	21	172	80	41
25	73	0	0	11	170	86	61
26	67	0	0	7	105	85	44
27	35	0	0	8	68	73	36
28	52	0	7	2	141	55	31
29	51	0	18	2	137	49	29
30	46	0	15	2	145	44	32
31	46	...	15	...	177	45	...
Mean	45	27	2	21	71	144	34
Max.	73	78	18	55	177	209	79
Min.	23	0	0	2	0	44	16
A. F.	2840	1620	110	1220	4410	8840	2030

Water diverted 21070 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

GOTHENBURG POWER RETURN
Gothenburg—Sec. 9-11-25 W.

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
1	157	157	151	84	95	74	147	143	79	146	147	133
2	167	154	147	157	81	100	139	135	153	145	135	174
3	168	154	156	152	90	110	137	139	154	148	146	145
4	175	155	157	159	110	132	126	134	153	147	146	137
5	190	154	156	156	140	149	98	130	164	146	138	146
6	169	161	162	154	152	166	102	115	143	128	142	154
7	164	155	166	155	150	122	101	129	146	66	136	155
8	161	172	178	154	116	136	91	140	131	61	130	133
9	164	162	168	154	84	134	90	145	107	54	115	114
10	154	170	136	157	121	147	87	97	124	37	123	95
11	151	156	139	168	79	148	77	130	147	113	112	77
12	150	11	152	165	70	139	87	133	160	145	102	60
13	165	0	102	163	93	137	86	129	152	94	122	60
14	173	140	77	164	98	145	79	130	147	121	122	75
15	166	144	110	165	121	136	77	133	150	59	139	63
16	168	143	110	156	94	125	76	84	146	36	155	54
17	166	140	133	166	39	130	62	154	144	68	146	41
18	165	146	133	162	47	127	82	145	144	125	151	34
19	175	172	132	154	54	130	147	143	141	151	154	26
20	159	170	139	145	79	•125	135	141	143	150	155	14
21	155	163	147	159	92	128	132	138	140	145	155	13
22	170	155	147	157	70	134	130	136	132	147	139	24
23	164	63	124	159	60	148	102	135	132	136	155	30
24	162	99	107	163	60	110	106	136	154	112	154	34
25	162	138	86	168	75	140	146	139	150	149	150	72
26	158	154	81	168	62	88	146	135	104	148	156	97
27	180	165	80	167	59	106	156	132	164	146	155	89
28	149	147	68	162	80	130	130	130	156	166	159	88
29	161	164	96	167	....	146	157	146	156	144	148	79
30	164	164	126	158	....	98	149	91	150	144	140	77
31	146	.....	122	163	....	152	.....	79	.....	146	136	....
Mean	164	141	129	157	96	129	103	130	142	129	140	83
Max.	190	172	178	168	156	166	157	154	164	151	159	174
Min.	146	0	27	60	12	74	56	79	79	36	107	14
A. F.	10070	8390	7910	9680	4900	7920	6700	7990	8460	7380	8650	4940

Total 92990 A. F.

GOTHENBURG IRRIGATION CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from Platte River	2840	1620	110	1220	4410	8840	2030	21070
Spill into Buffalo Creek	*	*	0	0	130	405	73	608
Net diverted	2840	1620	110	1220	4280	8435	1957	20462

Area reported 17820 acres.
Net diverted 20462 A. F.
Per acre 1.15 A. F.
No storage water diverted.
*No record.

Acreage	Reported
D-645a	820
D-645b	17000
Total	17820

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

GRAF CANAL
Diverted from Blue Creek and Crescent Lake—A-1575

Day	Oct.	May	June	July	Aug.	Sept.
1	3	0	0	0	10	23
2	10	0	0	0	18	24
3	7	0	0	0	19	24
4	8	0	0	0	18	23
5	10	0	0	0	20	23
6	*10	0	0	0	19	23
7	*10	0	0	0	19	19
8	*10	0	0	0	22	15
9	*10	0	0	4	23	18
10	*10	0	0	9	21	19
11	*7	0	0	11	12	21
12	*7	0	0	14	10	20
13	*7	0	0	6	17	19
14	*7	0	0	10	22	20
15	*7	0	0	9	23	20
16	*8	0	0	11	24	20
17	*8	0	0	13	24	20
18	*8	0	0	13	25	19
19	*8	0	0	11	23	20
20	*8	0	0	8	23	20
21	*9	0	0	8	17	19
22	*9	0	0	9	15	17
23	*9	0	0	10	16	8
24	*9	0	0	13	19	10
25	*9	0	0	14	19	12
26	*9	0	0	12	18	10
27	*9	0	0	13	19	9
28	*0	0	0	15	21	8
29	0	0	0	16	22	8
30	0	0	0	15	23	8
31	0	0		13	23	
Mean	*7	0	0	8	20	17
Max.	*10	0	0	16	25	24
Min.	0	0	0	0	10	8
A. F.	*450	0	0	510	1200	1030

Area reported 2058 acres. Acreage
Water diverted 3190 A. F. Reported
Per acre 1.55 A. F. D-763R 54
No diversion from D-781R 15
Crescent Lake. D-788 1989
*Estimated.

Total 2058

HURLEY-LILLY-POLLY CANAL
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	3	2
2	0	0	0	3	2
3	0	0	0	3	2
4	0	0	0	3	2
5	0	0	0	3	2
6	0	0	0	3	0
7	0	0	0	3	0
8	0	0	0	3	0
9	0	0	3	3	0
10	0	0	3	3	0
11	0	0	4	3	0
12	0	0	3	3	0
13	0	0	3	3	0
14	0	0	3	3	0
15	0	0	3	3	0
16	0	0	3	3	0
17	0	0	3	3	2
18	0	0	3	3	2
19	0	0	3	3	2
20	0	0	2	3	2
21	0	0	2	3	2
22	0	0	2	3	2
23	0	0	3	3	2
24	0	0	3	2	2
25	0	0	3	2	2
26	0	0	3	2	2
27	0	0	4	2	2
28	0	0	4	2	2
29	0	0	4	2	2
30	0	0	4	2	2
31	0		3	2	
Mean	0	0	2	3	1
Max.	0	0	4	3	2
Min.	0	0	0	2	0
A. F.	0	0	140	170	75

Area reported 180* acres. Acreage
Water diverted 385 A. F. Reported
Per acre 2.14 A. F. D-354 *180
*1941 report.

HOOPER CANAL
Diverted from Blue Creek and Crescent Lake—A 1575

Day	May	June	July	Aug.	Sept.
1	0	0	4	13	11
2	0	0	5	12	12
3	0	0	5	12	11
4	0	0	5	12	11
5	0	0	4	13	11
6	0	0	8	12	11
7	0	0	10	11	8
8	0	0	16	13	10
9	0	0	16	14	11
10	0	0	16	13	11
11	0	0	16	15	14
12	0	0	18	14	14
13	0	8	19	13	15
14	0	7	18	13	17
15	0	8	16	13	18
16	0	8	14	12	18
17	0	8	15	12	15
18	0	8	12	12	11
19	0	9	9	13	9
20	0	9	17	12	7
21	0	9	16	13	7
22	0	11	16	14	7
23	0	2	12	12	8
24	0	2	11	12	8
25	0	2	13	12	7
26	0	1	12	12	8
27	0	0	13	12	10
28	0	0	11	10	10
29	0	0	11	10	16
30	0	0	9	11	15
31	0		9	11	
Mean	0	3	12	12	11
Max	0	11	19	15	18
Min.	0	0	4	10	7
A. F.	0	180	750	760	680

Area reported 898 acres. Acreage
Water diverted 2370 A. F. Reported
Per acre 2.64 A. F.
No diversion from D-781 779
Crescent Lake. D-788R 19

Total 798

INTERSTATE CANAL
Diverted from North Platte River, Pathfinder and Guernsey Reservoirs

Day	Apr.	May	June	July	Aug.	Sept.
1	0	1110	804	968	1910	1380
2	0	1090	767	1050	1880	1960
3	0	1050	662	1190	1900	1940
4	0	1040	580	1300	1920	1920
5	0	1050	577	1400	1920	1930
6	0	1040	577	1620	1920	1900
7	200	1040	577	1880	1940	1770
8	367	1040	580	1970	1940	1700
9	540	1040	604	1990	1870	1650
10	818	1020	657	1940	1950	1660
11	881	990	712	1920	1970	1640
12	899	974	781	1940	1970	1610
13	908	944	861	1950	1980	1530
14	893	911	870	1950	1980	1440
15	893	920	872	1940	1980	1410
16	908	917	884	1950	1980	1370
17	899	911	932	1960	1980	1370
18	905	737	990	1960	1970	1350
19	959	475	1020	1960	1980	1250
20	976	0	1020	1960	1980	1120
21	993	0	1050	1960	1980	1120
22	993	0	1090	1960	1980	1120
23	1070	0	1080	1960	1970	1120
24	1080	0	1040	1950	1970	1120
25	1100	0	1040	1950	1980	1090
26	1110	0	1020	1950	1980	1010
27	1120	0	965	1950	1980	993
28	1120	447	947	1940	1980	977
29	1120	702	950	1930	1980	944
30	1110	792	950	1930	1970	941
31	.....	806	.....	1930	1970	.....
Mean	911	685	849	1813	1960	1430
Max.	1120	1110	1090	1990	1980	1980
Min.	0	0	577	968	1870	941
A. F.	43360	42140	50500	111490	120320	85240

Area reported 116376 acres.
Total headgate diversion 453060 A. F.
Per acre 3.89 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

KEARNEY CANAL

Diverted from Platte River, Buffalo and Elm Creeks, and Sutherland Reservoir

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
1	173	0	0	0	110	96	382	374	361	194	6	25
2	195	0	0	0	104	105	378	326	4	269	8	208
3	218	0	0	0	142	157	388	331	4	261	19	134
4	185	0	0	0	145	166	384	360	4	247	51	229
5	201	0	0	0	0	154	368	312	4	213	42	285
6	199	0	0	0	0	207	375	342	44	163	39	253
7	190	0	0	0	60	211	377	342	40	339	24	134
8	189	0	0	0	77	212	375	348	37	322	23	95
9	156	0	0	0	45	240	357	342	73	325	69	232
10	109	0	0	0	83	253	368	334	77	320	312	367
11	73	0	0	0	92	290	374	335	53	326	340	318
12	58	0	0	60	129	308	363	339	69	326	127	257
13	60	0	6	120	144	318	264	353	158	347	222	269
14	52	0	62	70	172	313	219	351	148	343	345	290
15	56	0	76	80	239	289	141	355	70	339	261	360
16	56	0	113	100	243	296	113	356	206	337	247	359
17	71	0	67	120	99	325	92	350	195	311	264	322
18	61	0	76	100	90	311	122	359	188	261	184	316
19	54	0	48	85	50	321	175	361	194	196	159	337
20	71	0	41	85	60	304	313	344	157	191	136	294
21	33	0	114	100	50	311	371	363	61	130	122	249
22	48	0	114	80	60	311	318	366	157	88	122	296
23	0	0	44	80	90	317	343	361	159	58	107	298
24	0	0	48	80	70	317	357	363	327	49	89	307
25	0	0	63	80	40	303	374	367	133	42	73	295
26	0	0	20	70	60	300	363	361	66	24	65	286
27	0	0	20	100	76	337	370	374	99	23	56	300
28	0	0	30	167	89	344	378	373	131	22	47	273
29	0	0	30	132	....	338	378	355	74	13	36	258
30	0	0	35	158	....	344	384	355	174	25	30	296
31	0	..	35	92	....	368	....	352	....	15	28	329
Mean	81	0	34	63	94	273	318	352	115	197	118	266
Max.	218	0	114	167	243	368	388	374	327	347	345	367
Min.	0	0	0	0	0	96	92	312	4	13	6	25
A. F.	4970	0	2070	3890	5190	16790	18970	21630	6880	12140	7250	16410

Water diverted 116190 A. F.

KEARNEY POWER RETURN

To Platte River—Sec. 12-8-16 W.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	158	0	0	0	77	67	330	345	324	202	0	187
2	173	0	0	0	87	82	313	319	232	261	0	153
3	206	0	0	0	145	118	319	311	42	242	0	186
4	165	0	0	0	156	155	331	331	21	236	34	233
5	179	0	0	0	30	214	330	303	58	203	0	220
6	193	0	0	0	0	236	318	322	49	199	30	84
7	185	0	0	0	32	223	326	311	36	286	0	9
8	185	0	0	0	81	194	325	316	33	280	0	40
9	163	0	0	0	0	224	324	309	66	286	21	205
10	85	0	0	0	63	200	322	290	45	281	165	250
11	54	0	0	0	102	229	330	289	30	284	127	313
12	60	0	0	50	133	253	331	267	51	288	54	253
13	14	0	0	110	111	270	297	306	138	278	105	248
14	31	0	0	39	147	236	154	318	126	286	223	268
15	31	0	0	85	234	228	148	320	17	274	169	299
16	34	0	40	91	238	244	115	318	103	282	210	313
17	70	0	85	100	60	253	127	315	172	264	158	304
18	60	0	138	86	82	284	213	320	169	228	138	294
19	50	0	103	60	30	342	280	325	169	176	115	290
20	33	0	89	105	40	332	274	300	161	172	88	268
21	33	0	80	98	40	334	259	312	33	129	99	222
22	16	0	63	60	50	328	328	292	134	66	94	250
23	10	0	44	60	81	322	330	318	159	33	99	256
24	11	0	26	60	64	320	350	316	261	24	66	280
25	0	0	31	60	30	308	365	326	147	30	24	270
26	0	0	0	66	52	287	370	316	61	11	17	268
27	0	0	0	102	48	326	315	320	84	15	14	281
28	0	0	36	117	95	331	355	318	120	2	17	253
29	0	0	23	130	....	334	350	319	77	5	0	282
30	0	0	30	155	....	313	350	314	162	31	0	281
31	0	..	47	98	....	332	....	310	....	0	0	....
Mean	71	0	27	56	82	255	293	312	109	173	66	236
Max.	206	0	138	155	238	342	370	345	324	288	223	313
Min.	0	0	0	0	0	67	115	267	17	2	0	9
A. F.	4360	0	1660	3430	4580	15710	17430	19230	6500	10620	4080	14080

Total 101680 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

KEARNEY CANAL
SUMMARY IN ACRE-FEET

Month	Diverted from Platte River	Diverted from Elm Creek	Diverted from Buffalo Creek	Total Diverted	Spill into Kearney	Power Return	*Net Diverted
October	4085	45	840	4970	4360		610
November	0	0	0	0	0		0
December	1839	66	165	2070	1660		410
January	3868	0	22	3890	3430		460
February	5075	0	115	5190	4580		610
March	16446	0	344	16790	15710		1080
April	18681	130	159	18970	17430		1540
May	21070	240	320	21630	19230		2400
June	1170	2220	3490	6880	6500		380
July	11230	215	695	12140	10620		1520
August	4932	198	2120	7250	4080		3170
September	12710	1410	2290	16410	14080		2330
Total	101106	4524	10560	116190	101680		14510

No storage water diverted.

*Includes water used for irrigation for Greenwood, Echo, and Kearney Lakes, and water returned to the Platte River through the Cottonmill Spillway.

Acreage Reported
D-1023 4200

KEITH-LINCOLN COUNTY CANAL
Diverted from North Platte River

Day	Oct.	Nov.	June	July	Aug.	Sept.
1	38	17	0	33	80	10
2	38	18	29	37	94	0
3	38	25	34	31	82	0
4	44	20	24	29	78	0
5	50	19	39	36	89	0
6	41	19	39	44	82	0
7	44	18	51	61	82	0
8	39	18	51	63	86	0
9	39	18	50	68	81	0
10	77	11	43	90	85	0
11	71	8	44	85	78	0
12	10	0	47	100	80	0
13	29	0	44	67	55	0
14	27	0	43	80	61	0
15	24	0	59	78	77	0
16	0	0	40	89	73	0
17	0	0	32	109	80	0
18	0	0	31	105	81	0
19	0	0	49	94	63	0
20	0	0	53	85	64	0
21	0	0	45	82	63	0
22	0	0	27	81	71	0
23	0	0	25	86	74	0
24	10	0	43	81	64	0
25	11	0	32	76	63	0
26	14	0	29	69	69	0
27	25	0	30	74	72	0
28	20	0	48	74	73	0
29	18	0	24	78	71	0
30	16	0	31	67	73	0
31	17			74	79	
Mean	24	6	38	72	75	0.3
Max.	77	25	59	109	94	10.0
Min.	0	0	0	29	55	.0
A. F.	1470	380	2250	4420	4610	20.0

Water diverted 13150 A. F.

KEITH-LINCOLN COUNTY CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	1470	380	0	2250	4420	4610	20	13150
Spill into North Platte River	58	*	0	490	435	10	20	1013
Net diverted	1412	380	0	1760	3985	4600	0	12137

Area reported 6010 acres.
Net diverted 12137 A. F.
Per acre 2.05 A. F.
*No record.

Acreage Reported
D-722 6010

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

KIMBALL CANAL, NORTH
Diverted from Lodgepole Creek and Oliver Reservoir

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	21
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	24	0
9	0	0	0	25	0
10	0	0	0	24	0
11	0	0	0	24	0
12	0	0	21	25	0
13	0	0	24	25	0
14	0	0	24	26	7
15	0	0	24	25	22
16	0	0	24	24	7
17	0	0	27	24	10
18	0	0	27	24	8
19	0	0	27	20	8
20	0	0	28	17	12
21	0	0	29	14	12
22	0	0	29	0	6
23	0	0	31	0	0
24	0	0	29	0	0
25	0	0	31	0	0
26	0	0	32	0	0
27	0	0	32	0	0
28	0	0	32	0	0
29	0	0	32	0	0
30	0	0	0	0	0
31	0	-	0	0	-
Mean	0	0	162	10	4
Max.	0	0	32	26	22
Min.	0	0	0	0	0
A. F.	0	0	1000	635	225

Water diverted 1860 A. F.

KIMBALL CANAL, SOUTH
Diverted from Lodgepole Creek and Oliver Reservoir

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	33
5	0	0	0	0	38
6	0	0	0	0	0
7	0	0	0	0	41
8	0	0	0	42	37
9	0	0	27	45	35
10	0	0	28	44	29
11	0	0	33	44	26
12	0	0	35	45	0
13	0	0	37	45	0
14	0	0	36	45	0
15	0	0	38	44	0
16	0	0	38	42	0
17	0	0	38	42	0
18	0	0	39	42	0
19	0	0	38	40	0
20	0	0	40	39	0
21	0	0	39	40	0
22	0	0	40	20	0
23	0	0	39	0	0
24	0	0	37	0	0
25	0	0	39	0	0
26	0	0	39	0	0
27	0	0	38	0	0
28	0	0	39	0	0
29	0	0	39	0	0
30	0	0	0	0	0
31	0	-	0	0	-
Mean	0	0	25	20	8
Max.	0	0	40	45	41
Min.	0	0	0	0	0
A. F.	0	0	1540	1230	475

Water diverted 3245 A. F.

KIMBALL IRRIGATION DISTRICT CANALS
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from Lodgepole Creek and Oliver Reservoir:—						
North Canal	0	0	1000	635	225	1860
South Canal	0	0	1540	1230	475	3245
Total diverted	0	0	2540	1865	700	5105

Area reported (1941) 4457 acres.
Net diverted 5105 A. F.
Per acre 1.15 A. F.

Acreage Reported
A-897 4457

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

KINGSLEY STORAGE RESERVOIR

Daily Contents in Acre-feet

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	32900	111900	194720	222350	297390	370200	444120	517570	817530	876880	803630	687660
2	33090	114360	197470	222350	299280	373000	446380	524470	824210	876880	801950	687660
3	33180	117580	200310	222350	302390	376670	447090	530750	832000	878870	795270	685040
4	33260	120590	203060	222350	305940	378990	448500	539380	836450	878870	791480	683300
5	34280	123390	206080	222350	309530	383000	449910	548900	839520	878870	786760	682420
6	35330	126420	208880	225130	313210	387090	450620	555070	842470	878870	782840	678930
7	36240	129320	212050	226110	317010	390910	452030	561580	845420	878870	778910	677190
8	38170	132080	214580	228050	320920	394210	453450	568900	847390	878870	774190	675440
9	40550	134840	217470	229020	322770	397240	454150	574590	849350	878870	771050	673700
10	43630	137530	218870	232420	325870	400010	455570	582720	851320	876880	767120	671950
11	46560	140140	217940	234860	328880	402910	456270	590070	851320	874910	763190	670210
12	49530	142970	218130	236310	332590	405810	457690	596670	853290	872940	758870	668460
13	52620	145720	216730	238750	333680	408360	459100	613170	855250	869010	754270	666720
14	55500	148480	215790	241180	337150	410850	460510	621440	855250	869010	750600	664970
15	58430	150920	215790	243610	342080	413620	462630	634160	855250	869010	746930	663230
16	61440	153510	216260	246580	345210	416110	463340	646870	857220	867050	743250	662360
17	64410	156400	217470	250590	348330	417780	464610	663230	859180	863120	740500	660610
18	67010	158980	218590	253600	350130	419850	465880	676320	859180	859190	736820	659220
19	69580	161640	219810	256000	351710	421930	469060	689400	861150	857220	733150	657990
20	72050	164230	220630	261620	352050	424000	470960	700930	863110	855250	729480	657990
21	74880	166480	221396	267870	353500	425400	473500	714240	863110	851320	726720	657990
22	78480	169310	221850	268960	354800	427460	476050	725800	864110	847390	722220	658340
23	81660	170890	222140	270040	356810	429540	477950	736820	865080	845320	719560	659390
24	84850	171510	222140	272210	358720	430920	479860	746930	867050	841490	715130	660260
25	87640	173260	222240	273830	361270	433690	483670	758870	869010	837560	710690	662180
26	91410	175450	222520	276760	362250	435780	488120	767810	870980	833110	708030	663580
27	95000	180000	222520	279250	366500	437900	492250	774980	872940	830880	703600	664970
28	99010	184280	222520	283150	368530	440020	496610	782840	872940	825320	701820	665859
29	102610	188130	222520	286740	.....	441430	501850	787550	874910	821980	696500	666720
30	105840	191790	222520	290400	.....	442140	508840	801950	874910	817530	694726	667590
31	108820	.....	222520	293620	.....	442850	.....	808630	.....	811970	691180	.....

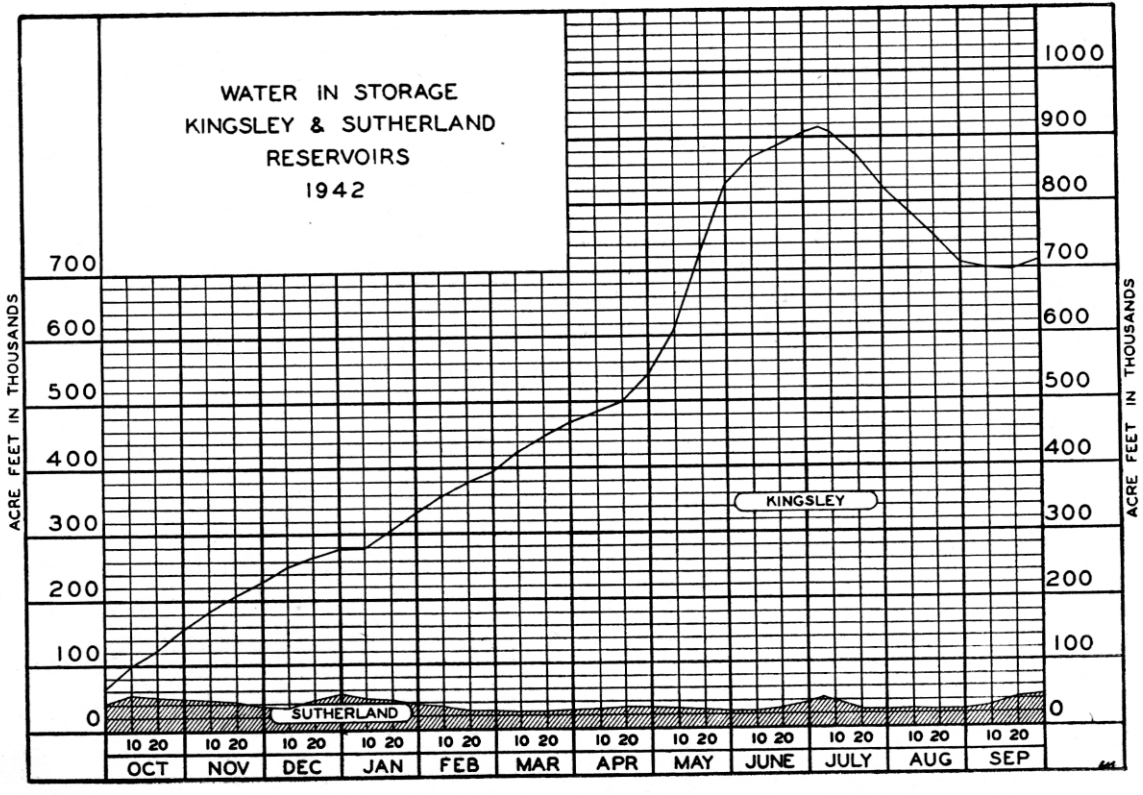
KINNEY CANAL, SOUTH

Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	0	6	4	3
2	0	0	6	4	3
3	0	0	6	4	3
4	0	0	6	4	3
5	0	0	6	4	3
6	5	0	6	4	3
7	5	4	0	4	3
8	5	4	0	4	3
9	5	4	0	4	3
10	5	4	0	4	3
11	5	4	0	4	2
12	6	5	0	4	2
13	5	5	0	4	2
14	5	5	0	4	2
15	5	5	4	4	2
16	5	4	4	4	2
17	5	4	4	4	2
18	0	4	4	4	2
19	0	4	0	4	2
20	0	4	6	4	2
21	0	4	6	3	0
22	0	4	6	3	0
23	0	4	6	3	0
24	0	6	5	3	0
25	0	6	5	3	0
26	0	6	4	3	0
27	0	6	4	3	0
28	0	6	4	3	0
29	0	6	4	3	0
30	0	6	4	3	0
31	0	_	4	3	_
Mean	2	4	3	4	2
Max.	5	6	6	4	3
Min.	0	0	0	3	0
A. F.	120	135	220	225	100

Water diverted 800 A. F.

(See page 901 for summary in acre-feet of Kinney Canal.)


WATER IN STORAGE
KINGSLEY & SUTHERLAND
RESERVOIRS
1942
ACRE FEET IN THOUSANDS
0
100
200
300
400
500
600
700
800
900
1000
KINGSLEY
SUTHERLAND
10 20 OCT
10 20 NOV
10 20 DEC
10 20 JAN
10 20 FEB
10 20 MAR
10 20 APR
10 20 MAY
10 20 JUNE
10 20 JULY
10 20 AUG
10 20 SEP

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

KINNEY CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from Lodgepole Creek:—						
North Canal	0	0	0	0	0	0
South Canal	120	135	220	225	100	800
Total diverted	120	135	220	225	100	800

Area reported (1941) 412 acres.
Net diverted 800 A. F.
Per acre 1.95 A. F.

Acreage	Reported
D-345	135
D-348	182
D-350	41
A-718	54
Total	412

LAST CHANCE CANAL
Diverted from Pumpkinseed Creek

Day	May	June	July	Aug.	Sept.
1	0	0	8	10	0
2	0	0	7	9	0
3	0	0	7	9	0
4	0	0	7	10	0
5	0	0	7	10	0
6	1	0	7	10	0
7	1	0	7	0	0
8	1	0	8	0	0
9	1	0	8	0	0
10	1	0	8	0	0
11	1	8	8	0	0
12	1	8	8	0	0
13	1	8	8	0	0
14	1	8	8	0	0
15	1	8	8	0	0
16	0	8	8	0	0
17	0	8	8	0	9
18	0	8	9	0	6
19	0	8	9	0	1
20	0	8	8	0	3
21	0	0	5	0	3
22	0	0	6	0	3
23	0	0	5	0	4
24	0	0	5	0	9
25	0	0	5	0	8
26	0	0	10	0	8
27	0	0	10	0	8
28	0	0	10	4	8
29	0	0	10	4	8
30	0	0	10	0	8
31	0	—	10	0	—
Mean	0.3	3	8	2	3
Max.	1.0	8	10	10	9
Min.	.0	0	5	0	0
A. F.	20.0	159	480	131	170

Area reported 405 acres.
Water diverted 960 A. F.
Per acre 2.37 A. F.

Acreage	Reported
D-883	405

LISCO CANAL
Diverted from North Platte River

Date	May	June	July	Aug.	Sept.
1	0	0	16	18	24
2	0	0	15	17	19
3	0	0	16	22	17
4	0	0	14	32	14
5	0	0	14	26	18
6	0	0	19	23	22
7	0	0	21	23	23
8	0	0	21	24	23
9	0	0	21	24	26
10	0	0	19	29	27
11	0	0	19	27	22
12	0	0	23	27	24
13	0	0	23	24	24
14	0	0	24	24	18
15	0	0	37	23	17
16	0	0	35	23	19
17	0	0	39	28	19
18	0	13	46	23	16
19	0	11	41	22	15
20	0	10	38	26	19
21	0	10	39	24	18
22	0	0	33	27	17
23	0	0	29	29	15
24	0	0	26	28	14
25	0	4	0	29	13
26	0	12	1	29	10
27	0	11	0	27	10
28	0	9	0	24	8
29	8	14	12	24	8
30	6	17	20	32	8
31	0	—	20	24	—
Mean	0.5	3	22	25	17
Max.	8.0	17	46	32	27
Min.	.0	0	0	17	8
A. F.	28.0	220	1350	1550	1050

Water diverted 4198 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

LISCO CANAL
Diverted from Cold Water Creek

Day	Apr.	May	June	July	Aug.	Sept.
1	4	4	4	4	3	3
2	4	4	4	4	3	3
3	4	4	4	4	3	3
4	4	4	4	4	3	3
5	4	4	4	4	3	3
6	4	4	4	4	3	3
7	4	4	4	4	3	3
8	4	4	4	4	3	3
9	4	4	4	4	3	3
10	4	4	4	3	3	3
11	4	4	4	3	3	3
12	4	4	4	3	3	3
13	4	4	4	3	3	3
14	4	4	4	3	3	3
15	4	4	4	3	3	3
16	4	4	4	3	3	4
17	4	4	4	3	3	4
18	4	4	4	3	3	4
19	4	4	4	3	3	4
20	4	4	4	3	3	4
21	4	4	4	3	3	4
22	4	4	4	3	3	4
23	4	4	4	3	3	4
24	4	4	4	3	3	4
25	4	4	4	3	3	4
26	4	4	4	3	3	4
27	4	4	4	3	3	4
28	4	4	4	3	3	4
29	4	4	4	3	3	4
30	4	4	4	3	3	4
31	..	4	..	3	3	..
Mean	4	4	4	3	3	4
Max.	4	4	4	4	3	3
Min.	4	4	4	3	3	3
A. F.	238	246	238	202	184	207

Water diverted 1315 A. F.

LYONS CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	0	0	12	10
2	0	0	0	11	10
3	0	0	0	15	10
4	0	0	0	13	9
5	0	0	0	18	9
6	0	0	0	12	9
7	0	0	0	11	9
8	0	0	0	9	12
9	0	0	0	8	10
10	0	0	0	10	11
11	0	0	0	10	11
12	0	0	0	10	11
13	0	0	0	10	9
14	0	0	0	9	9
15	0	0	0	8	6
16	0	0	0	8	6
17	0	0	0	8	8
18	0	0	0	8	8
19	0	0	0	8	6
20	0	0	0	8	4
21	0	0	0	8	6
22	0	0	5	7	4
23	8	0	5	8	2
24	10	0	0	8	1
25	2	0	0	10	2
26	0	0	7	9	3
27	0	0	7	9	3
28	0	0	8	8	3
29	0	0	13	8	2
30	0	0	12	9	2
31	0	..	13	9	..
Mean	1	0	2	10	7
Max.	10	0	13	18	11
Min.	0	0	0	7	1
A. F.	40	0	140	595	405

Area reported 2286 acres.
Water diverted 1180 A. F.
Per acre 0.52 A. F.

Acreage Reported
D-803 2286

LISCO CANAL
SUMMARY IN ACRE-FEET

	Apr.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River	0	28	220	1350	1550	1050	4198
Cold Water Creek	238	246	238	202	184	207	1315
Total diverted	238	274	458	1552	1734	1257	5513

Area reported 3810 acres.
Net diverted 5513 A. F.
Per acre 1.45 A. F.

Acreage	Reported
D-787	1268
D-796	300
D-856	1391
A-243R	635
A-991	216
Total	3810

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

McCARTHY CANAL
Diverted from White Tail Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	1	0
2	0	2	0	1	0
3	0	2	0	1	0
4	0	2	0	1	0
5	0	2	0	1	0
6	0	2	0	1	0
7	0	2	0	1	0
8	0	2	0	1	0
9	0	2	0	1	0
10	0	2	0	1	0
11	0	2	0	1	0
12	0	2	0	1	0
13	0	2	1	1	0
14	0	2	1	1	0
15	0	2	1	1	0
16	0	2	1	1	0
17	0	2	1	1	1
18	0	2	1	1	1
19	0	2	1	1	1
20	0	2	1	1	1
21	0	2	1	1	1
22	0	2	1	1	1
23	0	1	1	1	1
24	0	0	1	1	1
25	0	0	1	1	1
26	0	0	1	1	1
27	0	0	1	1	0
28	0	0	1	1	0
29	0	0	1	1	0
30	0	0	1	1	0
31	0	--	1	1	--
Mean	0	1	0.6	1	0.3
Max.	0	2	1.0	1	1.0
Min.	0	0	.0	1	.0
A. F.	0	85	38.0	62	20.0

Area reported 70 acres.
Water diverted *205 A. F.
Per acre 2.93 A. F.
*Estimated from Water Commissioners report.

	Acreage Reported
D-749	70

McINTOSH CANAL
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	2	0
13	0	0	0	2	0
14	0	0	0	2	0
15	0	0	0	2	0
16	0	0	0	2	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	3	0
24	0	0	0	3	0
25	0	0	0	3	0
26	0	0	0	2	0
27	0	0	1	0	0
28	0	0	1	0	0
29	0	0	1	0	0
30	0	0	2	0	0
31	0	--	2	0	--
Mean	0	0	0.2	1	0
Max.	0	0	2.0	3	0
Min.	0	0	.0	0	0
A. F.	0	0	14.0	42	0

Area reported (1941) 298 acres.
Water diverted 53 A. F.
Per acre 0.18 A. F.

	Acreage Reported
D-351	176
A-734	122
Total	298

MEEKER CANAL
Diverted from Republican River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	12	14	*	*	*	32	*
2	12	14	0	*	14	28	*
3	11	15	*	17	*	*	*
4	12	12	*	*	*	17	*
5	11	12	*	*	*	*	*
6	12	12	0	*	*	*	*
7	12	12	*	*	*	28	*
8	11	12	*	*	12	*	15
9	10	11	*	*	14	*	*
10	11	8	*	17	*	21	*
11	10	8	*	0	*	*	19
12	10	8	*	*	*	*	19
13	10	8	*	*	*	15	*
14	8	8	*	*	*	*	*
15	8	8	*	0	*	*	*
16	8	0	*	*	*	*	*
17	10	0	*	*	*	*	*
18	9	0	*	0	*	*	*
19	14	0	*	*	*	27	18
20	14	0	*	*	*	*	*
21	14	0	*	*	17	*	*
22	21	0	*	*	24	*	*
23	10	0	*	*	25	*	*
24	12	0	14	0	25	*	*
25	1	0	*	*	*	27	*
26	6	0	*	*	*	*	18
27	0	0	14	*	*	27	*
28	0	0	14	*	21	*	*
29	8	0	*	*	21	*	*
30	8	0	*	8	27	*	23
31	14	--	*	--	34	*	--
Mean	10	5.4	*	*	*	*	*
Max.	21	15	*	*	*	*	*
Min.	0	0	*	*	*	*	*
A. F.	613	321	*	*	*	*	*

*No record.

	Acreage Reported
D-4, -7, -8, -9	2870

Area reported (1941) 2870 acres.
Water diverted—incomplete record.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

MEREDITH-AMMER CANAL
Diverted from Pumpkinseed Creek

Day	Oct.	May	June	July	Aug.	Sept.
1	2	0	1	11	0	10
2	2	1	1	0	0	11
3	2	2	1	0	0	10
4	2	0	1	0	3	10
5	2	0	1	0	0	7
6	2	0	1	0	0	7
7	2	0	1	5	0	8
8	2	1	1	0	6	7
9	2	0	1	9	0	7
10	2	0	1	9	0	7
11	2	0	1	10	0	7
12	2	0	1	9	0	6
13	2	0	1	9	0	4
14	2	0	1	9	13	4
15	2	0	1	9	13	4
16	2	0	1	8	13	4
17	2	0	1	9	13	1
18	1	0	1	10	13	1
19	1	0	0	11	8	1
20	1	0	0	9	3	1
21	1	0	0	9	6	1
22	0	0	0	9	7	1
23	0	1	0	9	6	1
24	0	1	0	0	6	1
25	0	1	0	0	6	1
26	0	0	0	0	0	1
27	0	1	0	0	0	1
28	0	1	0	0	0	1
29	0	3	0	0	6	1
30	0	1	0	0	0	1
31	0	1	—	0	7	—
Mean	1	0.5	0.6	5	4	4
Max.	2	3.0	1.0	11	13	11
Min.	0	.0	.0	0	0	1
A. F.	75	30.0	35.0	305	255	250

Area reported 981 acres. Acreage
Water diverted 950 A. F. Reported
Per acre 0.97 A. F. D-876 981

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 1
Diverted from Middle Loup River

Day	May	June	July	Aug.	Sept.
1	0	16	0	34	25
2	0	15	0	36	23
3	0	12	0	36	14
4	0	9	0	36	0
5	0	11	0	35	0
6	0	12	16	37	0
7	0	9	17	36	0
8	0	6	17	31	0
9	0	7	17	35	0
10	0	12	18	33	0
11	0	13	20	28	0
12	0	7	18	28	0
13	0	0	19	30	0
14	0	0	20	26	0
15	0	0	23	23	0
16	0	0	23	22	0
17	0	0	30	21	0
18	0	0	42	21	0
19	0	0	38	20	0
20	0	0	36	22	0
21	0	0	34	25	0
22	0	0	33	29	0
23	0	0	35	31	0
24	0	0	36	30	0
25	0	0	37	30	0
26	0	0	36	34	0
27	9	0	35	36	0
28	16	0	36	31	0
29	10	0	35	29	0
30	15	0	35	28	0
31	16	—	34	26	—
Mean	2	4	24	30	2
Max.	16	16	42	37	25
Min.	0	0	0	20	0
A. F.	131	256	1467	1823	123

Water diverted 3800 A. F.

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 2
Diverted from Middle Loup River

Day	May	June	July	Aug.	Sept.
1	0	6	0	45	34
2	0	15	0	45	26
3	0	14	0	47	6
4	0	15	0	47	0
5	0	15	0	46	0
6	0	15	8	46	0
7	0	16	20	21	0
8	0	16	21	7	0
9	0	16	22	6	0
10	0	16	23	6	0
11	0	16	24	6	0
12	0	9	22	6	0
13	0	0	21	6	0
14	0	0	23	6	0
15	0	0	25	6	0
16	0	0	29	6	0
17	0	0	33	6	0
18	0	0	33	6	0
19	0	0	38	5	0
20	0	0	41	20	0
21	5	0	41	41	0
22	11	0	37	41	0
23	8	0	40	40	0
24	9	0	41	40	0
25	15	0	43	39	0
26	15	0	43	37	0
27	13	0	44	36	0
28	16	0	45	36	0
29	16	0	46	36	0
30	14	0	45	35	0
31	6	—	45	34	—
Mean	4	5	28	26	2
Max.	16	16	46	47	34
Min.	0	0	0	5	0
A. F.	254	335	1691	1599	131

Water diverted 4010 A. F.

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 3
Diverted from Middle Loup River

Day	Oct.	May	June	July	Aug.	Sept.
1	10	0	8	0	109	43
2	4	0	8	0	106	19
3	2	0	10	0	108	0
4	5	0	13	0	105	0
5	6	0	13	0	97	0
6	5	0	15	14	88	0
7	4	0	12	28	37	0
8	4	0	12	33	51	0
9	4	0	9	28	45	0
10	5	0	0	41	48	0
11	6	0	0	48	46	0
12	6	0	0	57	45	0
13	5	0	0	48	51	0
14	4	0	0	61	44	0
15	6	10	0	63	42	0
16	7	20	0	66	38	0
17	10	22	0	68	37	0
18	11	21	0	79	36	0
19	10	22	0	86	34	0
20	9	16	0	105	33	0
21	12	16	0	105	30	0
22	15	13	0	103	32	0
23	17	7	0	104	34	0
24	16	8	0	111	35	0
25	13	8	0	111	38	0
26	16	8	0	111	40	0
27	16	9	0	111	41	0
28	6	20	0	116	41	0
29	0	12	0	117	39	0
30	0	12	0	111	44	14
31	0	11	—	107	42	—
Mean	8	8	3	65	52	2
Max.	17	22	15	117	109	43
Min.	0	0	0	0	30	0
A. F.	464	466	198	4030	3206	151

Water diverted 8515 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT CANAL NO. 4
Diverted from Middle Loup River

Day	Oct.	May	June	July	Aug.	Sept.
1	9	0	21	0	105	39
2	4	0	20	2	103	36
3	3	0	18	6	103	0
4	4	0	18	6	103	0
5	4	0	18	6	100	0
6	4	0	20	19	99	0
7	4	0	20	26	81	0
8	4	0	21	29	61	0
9	4	0	14	31	51	0
10	3	0	0	35	50	0
11	5	0	0	42	44	0
12	5	0	0	40	44	0
13	6	0	0	54	52	0
14	8	0	0	68	43	0
15	11	13	0	68	39	0
16	9	22	0	77	38	0
17	14	21	0	97	39	0
18	14	20	0	98	41	0
19	14	19	0	101	42	0
20	13	18	0	100	43	0
21	13	15	0	103	45	0
22	14	15	0	102	47	0
23	15	17	0	101	49	0
24	15	16	0	103	49	0
25	15	15	0	104	48	0
26	17	12	0	103	49	0
27	19	13	0	105	50	0
28	7	20	0	106	47	0
29	0	15	0	108	41	0
30	0	23	0	106	39	0
31	0	23	...	105	38	...
Mean	8	10	6	66	58	2
Max.	19	23	21	108	105	39
Min.	0	0	0	0	38	0
A. F.	510	589	337	4069	3536	149

Water diverted 9190 A. F.

MIDDLE LOUP PUBLIC POWER AND IRRIGATION DISTRICT
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diversion:—							
Canal No. 1	0	131	256	1467	1823	123	3800
Canal No. 2	0	254	335	1691	1599	131	4010
Canal No. 3	464	466	198	4030	3206	151	8515
Canal No. 4	510	589	337	4069	3536	149	9190
Total diverted	974	1440	1126	11257	10164	554	25515
Return through spillways:—							
Canal No. 1	0	10	111	95	196	0	412
Canal No. 2	0	58	256	456	458	0	1228
Canal No. 3	218	46	81	69	730	0	1144
Canal No. 4	190	24	161	260	870	0	1505
Total spill	408	138	609	880	2254	0	4289
Net diverted	566	1302	517	10377	7910	554	21226

Area reported 24692 acres.
Net diverted 21226 A. F.
Per acre 0.86 A. F.

Acreage	Reported
A-2293	22429
A-2678	2273
Total	24692

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

MIDLAND-OVERLAND CANAL
Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	9	0	0	0	22	13
2	10	0	0	0	22	13
3	9	0	0	0	22	13
4	9	0	0	0	22	17
5	9	0	0	0	16	17
6	7	0	0	0	16	16
7	0	0	0	0	16	17
8	0	0	0	0	16	17
9	3	0	0	0	17	14
10	3	0	0	0	17	14
11	3	0	0	0	16	14
12	3	0	0	0	16	13
13	3	0	0	0	16	13
14	4	0	0	0	16	9
15	3	0	0	0	8	9
16	4	0	0	0	9	9
17	4	0	0	16	15	9
18	4	0	0	16	14	9
19	3	0	0	16	14	9
20	3	0	0	19	14	9
21	3	0	0	18	18	9
22	0	0	0	18	18	9
23	0	0	0	19	18	9
24	0	0	0	19	18	9
25	0	0	0	19	13	9
26	0	0	0	19	13	9
27	0	0	0	19	13	9
28	0	0	0	19	13	9
29	0	0	0	22	12	9
30	0	0	0	22	12	9
31	0	0	..	22	12	..
Mean	3	0	0	9	16	11
Max.	10	0	0	22	22	17
Min.	0	0	0	0	10	9
A. F.	190	0	0	560	960	680

Area reported 1813 acres.
Water diverted 2390 A. F.
Per acre 1.32 A. F.

	Acreage Reported
D-789	847
D-791	966
Total	1813

MINATARE CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	24	3	55	55
2	0	17	2	51	62
3	0	23	64	52	69
4	0	37	115	49	66
5	0	32	112	50	60
6	0	32	121	64	57
7	0	40	124	74	53
8	0	47	123	22	55
9	0	41	105	12	59
10	0	25	82	73	51
11	0	29	58	65	24
12	0	47	53	64	2
13	0	50	61	63	34
14	0	42	60	55	53
15	0	31	57	53	46
16	0	34	54	58	43
17	0	35	52	56	47
18	0	40	48	59	45
19	0	39	53	60	42
20	0	32	58	59	38
21	0	43	43	60	32
22	0	49	47	60	29
23	0	58	53	63	32
24	0	34	55	63	32
25	0	34	58	60	24
26	0	40	57	59	19
27	0	55	47	60	16
28	0	40	52	64	13
29	16	5	60	54	16
30	23	2	61	48	13
31	22	..	59	50	..
Mean	2	39	64	56	40
Max.	23	58	124	74	69
Min.	0	2	2	12	2
A. F.	120	2100	3960	3440	2350

Water diverted 11970 A. F.

MINATARE CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	120	2100	3960	3440	2350	11970
Spill into North Platte River	100	1030	890	1085	1530	4635
Net diverted	20	1070	3070	2355	820	7335

Area reported 7585 acres.
Net diverted 7335 A. F.
Per acre 0.97 A. F.

	Acreage Reported
D-919	7585

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

MITCHELL CANAL
Diverted from North Platte River

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	0	0	0	0	99	167	190
2	0	0	0	0	102	165	189
3	0	0	0	0	113	167	188
4	0	0	0	0	122	176	190
5	0	0	0	25	141	188	192
6	0	0	0	26	171	190	193
7	0	0	0	26	178	195	193
8	0	0	0	28	191	190	192
9	0	19	0	39	192	188	191
10	0	40	0	53	189	182	187
11	0	39	0	70	189	187	94
12	0	51	0	84	190	185	56
13	0	56	0	82	190	186	55
14	0	58	0	77	189	184	62
15	0	59	0	82	187	186	94
16	0	61	0	88	186	182	94
17	0	64	0	87	185	193	93
18	0	60	0	108	188	193	94
19	0	48	0	126	186	194	31
20	0	44	0	129	180	147	0
21	0	11	0	123	172	193	0
22	0	0	0	113	179	196	0
23	0	0	0	102	181	197	0
24	0	0	0	88	176	193	0
25	0	0	0	80	181	193	0
26	0	0	0	79	180	191	0
27	0	0	0	72	178	188	0
28	0	0	0	77	174	190	0
29	0	0	0	84	174	191	0
30	0	0	0	88	170	190	0
31	0	..	0	...	166	190	..
Mean	0	20	0	68	171	185	86
Max.	0	64	0	129	192	197	193
Min.	0	0	0	0	99	165	0
A. F.	0	1210	0	4040	10510	11420	5110

Acreage	Reported
D-1052	13599

Area reported 13599 acres.
Water diverted 32290 A. F., including storage.
Per acre 2.38 A. F.
Storage water diverted 8260 A. F.

MUTUAL CANAL
Diverted from Pumpkinseed Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	3	2
2	0	0	0	3	2
3	0	0	1	4	2
4	0	0	1	4	2
5	0	0	1	4	2
6	0	0	2	4	2
7	0	0	2	3	2
8	0	0	2	3	2
9	0	0	2	2	2
10	0	0	2	2	2
11	0	0	6	2	2
12	0	0	6	2	2
13	0	0	6	2	2
14	0	0	5	2	2
15	0	0	4	2	2
16	0	0	4	3	2
17	0	0	4	3	2
18	0	0	4	3	2
19	0	0	4	3	2
20	0	0	5	2	2
21	0	0	5	2	2
22	0	0	5	2	2
23	0	0	4	2	2
24	0	0	4	2	2
25	0	0	3	2	2
26	0	0	3	2	3
27	0	0	3	2	3
28	0	0	3	2	3
29	0	0	3	2	3
30	0	0	3	2	3
31	0	...	3	2	..
Mean	0	0	3	3	2
Max.	0	0	6	4	3
Min.	0	0	0	2	2
A. F.	0	0	198	152	130

Area reported 455 acres.
Water diverted *480 A. F.
Per acre 1.05 A. F.

Acreage	Reported
D-843	455

*Estimated—incomplete record.

NINE MILE CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	0	61	53	58
2	0	0	54	44	52
3	0	0	33	34	44
4	0	63	0	25	43
5	0	63	0	18	39
6	0	47	0	13	34
7	0	34	0	10	37
8	0	32	0	12	41
9	0	24	0	12	41
10	0	18	49	49	40
11	0	32	35	54	49
12	0	17	33	59	50
13	0	20	40	67	50
14	0	18	44	63	48
15	0	14	47	61	47
16	0	12	52	57	44
17	0	12	54	57	41
18	0	10	42	56	40
19	0	8	37	59	43
20	0	6	28	63	45
21	0	8	69	64	43
22	0	10	62	65	39
23	0	13	58	64	29
24	0	15	60	65	28
25	0	46	58	66	30
26	0	43	62	66	31
27	0	53	68	64	35
28	0	57	66	57	38
29	0	57	64	56	8
30	0	66	61	58	0
31	0	...	61	56	..
Mean	0	27	42	50	39
Max.	0	66	69	67	58
Min.	0	0	0	10	0
A. F.	0	1580	2570	3070	2310

Area reported 5838 acres.
Water diverted 9530 A. F.
Per acre 1.63 A. F.

Acreage	Reported
D-925	5838

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
TAYLOR-ORD CANAL
Diverted from North Loup River

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	65	0	0	95	32	160	138
2	65	0	0	92	32	160	85
3	60	0	0	96	29	159	0
4	66	0	0	0	29	159	0
5	63	0	0	0	31	158	0
6	53	0	0	0	36	164	0
7	53	0	0	0	37	86	0
8	54	0	0	0	37	81	0
9	56	0	0	40	43	105	0
10	57	0	0	54	48	99	0
11	54	0	0	51	75	77	0
12	50	0	0	45	80	70	0
13	27	0	0	42	92	63	12
14	23	0	12	42	105	61	21
15	25	0	0	43	124	61	21
16	33	0	0	45	129	63	15
17	35	0	0	43	148	52	14
18	46	0	0	41	156	42	12
19	52	0	0	28	154	60	16
20	54	0	0	0	159	83	14
21	54	0	0	0	159	94	14
22	52	0	0	0	159	106	10
23	47	0	0	0	164	112	3
24	50	0	0	0	165	121	10
25	47	0	0	0	166	133	12
26	50	0	0	0	166	126	2
27	46	0	0	10	164	130	12
28	63	0	0	23	166	134	11
29	48	0	18	32	169	133	0
30	45	0	86	30	165	136	0
31	36		98		160	124	
Mean	49	0	7	28	109	107	14
Max.	66	0	98	96	169	164	138
Min.	23	0	0	0	29	26	0
A. F.	3030	0	425	1690	6700	6570	840

Water diverted 19250 A. F.

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
BURWELL-SUMTER CANAL
Diverted from North Loup River

Day	Oct.	May	June	July	Aug.	Sept.
1	26	0	0	0	79	91
2	25	0	13	0	91	86
3	25	0	57	0	93	43
4	27	0	58	0	90	38
5	21	0	44	0	89	30
6	20	0	20	0	92	11
7	25	0	6	0	94	9
8	23	0	12	0	95	9
9	26	0	22	0	97	9
10	24	0	21	0	94	8
11	28	0	20	23	89	8
12	26	0	18	25	90	11
13	15	0	14	27	89	9
14	15	0	16	22	95	9
15	15	0	14	21	84	8
16	16	0	25	26	92	8
17	24	0	23	18	90	8
18	31	0	18	19	87	9
19	29	0	19	21	82	10
20	31	0	18	17	84	9
21	31	0	0	19	94	8
22	31	0	0	19	98	7
23	30	0	0	40	94	8
24	30	0	0	71	93	9
25	30	0	0	21	92	10
26	32	0	0	41	92	10
27	33	0	0	54	89	7
28	31	0	0	90	89	7
29	29	0	0	99	91	6
30	28	0	0	89	93	6
31	28	5		78	89	
Mean	26	0	15	27	90	16
Max.	33	5	58	99	97	91
Min.	15	0	0	0	79	6
A. F.	1600	10	870	1670	5570	935

Water diverted 10655 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
ORD-NORTH LOUP CANAL
Diverted from North Loup River

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	15	0	16	11	9	106	46
2	16	0	16	11	9	107	37
3	13	0	8	11	9	108	22
4	16	0	8	10	10	107	20
5	11	0	8	10	10	100	16
6	11	0	8	10	10	81	13
7	12	0	7	11	10	108	15
8	11	0	7	11	8	107	16
9	12	0	7	11	24	108	16
10	12	0	7	11	24	107	16
11	11	0	7	11	26	107	17
12	11	0	7	10	41	103	18
13	12	0	7	10	46	100	19
14	10	0	7	10	52	96	19
15	10	0	7	10	65	94	19
16	11	0	7	10	45	84	17
17	10	0	7	10	74	82	16
18	10	0	7	10	73	83	15
19	12	0	7	10	83	78	17
20	10	0	6	10	86	80	17
21	11	0	6	10	95	82	17
22	10	0	6	10	85	82	17
23	12	8	6	10	0	80	17
24	12	21	7	10	106	79	17
25	10	19	6	10	108	80	16
26	11	18	6	9	108	78	16
27	9	18	6	9	108	71	16
28	10	16	26	10	108	64	16
29	16	16	27	9	108	57	16
30	9	16	16	9	108	52	16
31	9	...	16	...	108	52	...
Mean	11	4	9	10	57	88	18
Max.	16	21	27	11	108	108	46
Min.	9	0	6	9	0	52	13
A. F.	715	260	570	600	3480	5400	1100

Water diverted 12130 A. F.

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
SUMMARY IN ACRE-FEET

	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.	Total
Diversion:—									
Taylor-Ord Canal	3030	0	0	425	1690	6700	6570	840	19250
Burwell-Sumter Canal	1600	0	0	10	870	1670	5570	935	10655
Ord-North Loup Canal	715	0	260	570	600	3480	5400	1100	12130
Total diverted	5345	0	260	1005	3160	11850	17540	2875	42035
Return through spillways:—									
Taylor-Ord Canal*	228	0	0	0	120	165	130	85	728
Burwell-Sumter Canal*	406	0	0	0	110	1	0	170	687
Ord-North Loup Canal*	87	0	0	0	0	1	155	0	243
Total spill	721	0	0	0	230	167	285	255	1658
Net diverted	4624	0	260	1005	2930	11683	17255	2620	40377

Area reported 25329 acres.
Net diverted 40377 A. F.
Per acre 1.59 A. F.
*Compiled from automatic recorder charts only.

Acreage	Reported
A-2312	25146
A-2417	183
Total	25329

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

NORTH PLATTE CANAL
Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	27	0	71	46	204	162
2	27	0	67	47	201	51
3	28	0	63	44	201	17
4	28	0	54	42	207	21
5	29	0	54	42	215	19
6	28	0	58	39	210	19
7	27	0	56	44	188	17
8	25	0	61	49	165	17
9	24	0	69	49	120	17
10	27	0	69	51	117	19
11	32	0	67	103	117	36
12	32	0	69	110	125	42
13	32	0	69	173	168	38
14	31	0	69	186	162	32
15	28	0	67	152	152	35
16	29	0	65	178	160	35
17	31	0	63	194	178	35
18	31	0	58	188	199	35
19	29	0	54	188	204	38
20	17	0	59	194	204	38
21	17	0	59	194	199	36
22	18	0	56	194	196	36
23	18	0	56	196	194	36
24	18	0	61	196	191	35
25	18	49	52	224	199	35
26	19	65	56	215	194	35
27	17	65	56	221	199	35
28	17	73	58	191	199	34
29	16	69	52	196	201	32
30	15	69	47	199	199	32
31	15	75	....	199	194	....
Mean	24	15	60	140	183	36
Max.	32	75	71	224	215	162
Min.	15	0	47	39	117	17
A. F.	1490	920	3600	8620	11230	2120

Water diverted 27908 A. F.

NORTH PLATTE CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	1490	920	3600	8620	11230	2120	27980
Spill into:—							
Scout Creek	*	48	570	300	107	0	1025
North Platte River (Cooks Spillway)	*	46	395	185	360	575	1561
Total spill	*	94	965	485	467	575	2586
Net diverted	1490	826	2635	8135	10763	1545	25394

Area reported 14105 acres.
Net diverted 25394 A. F.
Per acre 1.80 A. F.
*No record.

Acreage	Reported
D-635	14105

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

NORTHPORT CANAL
Diverted from North Platte River and Pathfinder Reservoir
Measured at Tri-State Rating Flume

Day	May	June	July	Aug.	Sept.
1	0	126	197	159	104
2	0	137	161	162	112
3	0	136	54	145	114
4	0	115	4	164	112
5	0	144	10	163	117
6	0	169	11	167	110
7	0	178	0	103	110
8	0	172	0	54	111
9	0	170	55	83	102
10	0	180	10	98	111
11	0	217	33	86	112
12	0	202	145	80	110
13	0	203	170	89	130
14	0	204	179	97	143
15	0	218	209	95	112
16	0	198	206	47	103
17	0	210	176	97	114
18				81	128
19	0	192	184	100	106
20	0	176	217	118	92
21	0	197	203	112	114
22	0	194	232	119	202
23	0	192	239	145	212
24	0	199	226	156	125
25	0	191	205	159	128
26	0	195	211	143	89
27	0	198	206	129	18
28	0	202	188	115	45
29	65	210	182	100	0
30	104	199	173	102	0
31	100	.....	155	104	..
Mean	9	184	142	115	110
Max.	104	218	239	162	228
Min.	0	115	0	47	0
A. F.	530	10960	8760	7080	6330

Water diverted 33660 A. F.

NORTHPORT CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from:—						
North Platte River	530	10960	8760	7080	6330	33660
Akers Draw	385	500	540	670	720	2815
Sheep Creek	0	0	3040	4465	3240	10745
Dry Spotted Tail Creek	0	0	0	0	0	0
Wet Spotted Tail Creek	580	580	740	1030	1780	4710
Tub Springs	0	0	1550	2215	2280	6045
Total diverted	1495	12040	14630	15460	14350	57975

Area reported 16109 acres.
Net diverted 57975 A. F.
Per acre 3.60 A. F.

Acreage Reported
A-768 16109

DISCHARGE OF CANALS IN SECOND-FEET. 1942—CONTINUED

OLIVER RESERVOIR—KIMBALL IRRIGATION DISTRICT
Diverted from Lodgepole Creek. Storage in Acre-feet

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		1482										
2								3900				
3				1910			3350					
4	760									4365		
5												
6			1910									
7				2375	2630							
8		1600										
9								3990				
10				2260								
11	1030									3995		
12												175
13			2050						4460			
14						3065						
15		1600								840		
16								4180				
17												
18	1170						3570	4270		3110		
19												520
20			2130						4470			
21					2820	3230						
22		1695										
23												
24				2475								
25	1260						3700			2260		
26												550
27												
28					2900	3350			4475			
29											695	
30								4310				
31				2575								

ORCHARD-ALFALFA CANAL
Diverted from Platte River and Sutherland Reservoir

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	3	41	0	16	0	90	36
2	3	54	0	7	0	73	0
3	2	43	0	9	10	74	0
4	2	36	0	12	14	78	0
5	1	37	0	17	6	61	0
6	6	26	0	7	8	63	0
7	9	11	0	11	11	62	0
8	8	3	0	20	10	61	0
9	10	0	0	18	6	63	0
10	12	0	0	30	2	59	0
11	11	0	0	28	2	55	0
12	14	0	0	23	7	51	0
13	13	0	0	13	3	47	0
14	11	0	0	24	4	41	0
15	12	0	0	32	4	40	0
16	12	0	0	10	4	32	0
17	18	0	0	30	3	22	0
18	25	0	0	25	0	36	0
19	24	0	0	23	4	20	0
20	26	0	0	17	6	24	0
21	38	0	0	11	15	25	0
22	42	0	0	11	22	24	0
23	33	0	0	4	0	21	0
24	37	0	0	20	22	20	0
25	33	0	0	0	60	36	0
26	32	0	0	0	66	33	0
27	6	0	0	0	62	32	0
28	4	0	0	0	56	38	0
29	26	0	0	0	68	62	0
30	28	0	7	0	82	39	0
31	30		18		79	39	
Mean	17	8	1	16	20	46	1
Max.	42	54	18	32	82	90	36
Min.	1	0	0	0	0	20	0
A. F.	1050	500	50	830	1260	2820	70

Area reported 6014 acres. Acreage Reported
Water diverted 6580 A. F., including storage. D-627 6014
Per acre 1.09 A. F.
Storage water diverted 1307 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

OWASCO CANAL
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	0	7	6	5
2	0	0	4	0	5
3	0	0	3	0	5
4	0	0	3	0	4
5	0	0	3	0	4
6	0	0	3	6	9
7	0	3	3	5	6
8	0	0	5	6	5
9	0	0	3	6	4
10	0	0	3	6	4
11	0	0	4	6	4
12	0	0	4	6	4
13	0	0	4	6	4
14	0	0	6	6	3
15	0	0	6	6	3
16	0	0	4	6	5
17	0	0	2	6	2
18	0	0	2	6	2
19	0	0	2	6	2
20	0	0	3	6	2
21	0	0	4	6	3
22	0	0	4	6	3
23	0	7	3	6	3
24	0	7	4	5	3
25	0	7	4	5	3
26	0	7	4	4	3
27	0	7	4	4	3
28	0	7	6	4	3
29	0	7	6	4	3
30	0	6	6	5	3
31	0		7	5	
Mean	0	2	4	5	4
Max.	0	7	7	6	5
Min.	0	0	2	0	2
A. F.	0	115	250	295	222

Estimated diversion 882 A. F.

OWASCO CANAL
(BAY STATE LATERAL)
Diverted from Lodgepole Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	2	3
2	0	0	0	0	3
3	0	0	0	0	3
4	0	0	0	0	3
5	0	0	0	0	3
6	0	0	0	0	0
7	0	0	0	2	0
8	0	0	0	2	0
9	0	0	0	2	0
10	0	0	0	2	0
11	0	0	0	2	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	2	0
15	0	0	1	2	0
16	0	0	1	2	0
17	0	0	1	2	1
18	0	0	1	2	3
19	0	0	1	2	3
20	0	0	0	2	3
21	0	0	1	2	0
22	0	0	1	2	0
23	0	0	1	2	0
24	0	0	1	2	0
25	0	0	1	2	0
26	0	0	1	2	0
27	0	0	1	1	0
28	0	0	1	2	0
29	0	0	1	2	0
30	0	0	1	2	0
31	0		1	2	
Mean	0	0	0.5	1	1
Max.	0	0	1.0	2	3
Min.	0	0	0	0	0
A. F.	0	0	32	90	50

Area reported 55 acres.
Estimated diversion 172 A. F.
Per acre 3.13 A. F.

Acreage Reported	
D-347R	55

OWASCO CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from Lodgepole Creek	0	115	250	295	222	882
Diverted for Bay State Lateral, D-347	0	0	32	90	50	172
Net diverted for A-725	0	115	218	205	172	710

Area reported 689 acres.
Net diverted 710 A. F.
Per acre 1.03 A. F.

Acreage Reported	
A-725	689

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

PAISLEY CANAL
Diverted from Blue Creek and Crescent Lake—A-1575

Day	May	June	July	Aug.	Sept.
1	0	0	0	5	7
2	0	0	0	0	8
3	0	0	0	0	8
4	0	0	0	0	9
5	0	0	0	0	9
6	0	0	0	0	4
7	0	0	0	0	6
8	0	0	0	6	10
9	0	0	0	13	10
10	0	0	0	13	10
11	0	0	0	12	12
12	0	7	0	11	12
13	0	0	0	0	12
14	0	0	0	0	8
15	0	0	0	0	8
16	0	0	0	0	8
17	0	0	0	0	8
18	0	0	0	0	8
19	0	0	0	0	8
20	0	0	0	3	0
21	0	0	0	10	8
22	0	0	8	10	15
23	0	0	8	7	15
24	0	0	8	7	15
25	0	0	8	7	15
26	0	0	8	7	15
27	0	0	8	7	17
28	0	0	10	7	16
29	0	0	10	7	6
30	0	0	10	8	6
31	0	..	11	7	..
Mean	0	0.2	3	5	10
Max.	0	7.0	11	13	17
Min.	0	.0	0	0	0
A. F.	0	14.0	175	290	580

Area reported 1072 acres.
Water diverted 1059 A. F.
Per acre 0.99 A. F.

No diversion from		Acreage Reported
Crescent Lake.	D-800	816
	A-515	95
	A-1738	161
	Total	1072

PAXTON-HERSHEY CANAL
Diverted from North Platte River

Date	Oct.	May	June	July	Aug.	Sept.
1	9	0	41	41	60	84
2	11	0	39	50	56	39
3	11	0	22	39	79	0
4	13	0	13	20	91	0
5	16	0	16	20	87	0
6	21	0	21	15	92	0
7	20	0	20	15	77	0
8	24	0	37	20	58	0
9	24	0	47	35	56	0
10	25	0	50	32	50	0
11	14	0	40	29	62	0
12	0	0	53	25	66	0
13	0	0	53	38	74	0
14	0	0	44	55	82	0
15	0	0	42	100	71	0
16	0	0	48	78	51	0
17	0	0	50	116	72	0
18	0	0	26	116	96	0
19	0	0	27	102	122	0
20	0	0	56	152	95	9
21	0	0	58	146	81	9
22	0	0	35	130	91	7
23	0	13	22	118	90	5
24	0	12	32	103	90	4
25	0	9	23	95	88	4
26	0	10	14	72	86	5
27	0	11	17	69	89	5
28	0	19	16	68	89	5
29	0	22	10	53	79	7
30	0	28	31	51	76	7
31	0	39	....	35	85	..
Mean	8	5	33	65	79	6
Max.	25	39	58	152	122	84
Min.	0	0	10	15	50	0
A. F.	375	325	1990	4000	4840	375

Water diverted 11905 A. F.

PAXTON-HERSHEY CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River	375	325	1990	4000	4840	375	11905
Return through spillway	*	150	1320	870	590	150	3080
Net diverted	375	175	670	3130	4250	225	8825

Area reported 7458 acres.
Net diverted 8825 A. F.
Per acre 1.18 A. F.
*No record.

Acreage	Reported
D-653	7458

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

RAMSHORN CANAL
Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	8	0	9	2	11	1
2	7	0	6	1	5	3
3	7	0	1	1	2	2
4	4	0	2	1	6	2
5	6	0	1	4	5	14
6	0	0	1	1	8	21
7	0	0	1	2	3	12
8	0	0	1	2	13	16
9	0	0	3	1	24	8
10	0	0	7	12	23	4
11	0	0	6	13	12	11
12	0	0	12	11	6	24
13	0	0	17	13	6	21
14	0	0	6	10	13	14
15	0	0	4	11	17	5
16	0	0	3	13	16	3
17	0	0	3	13	17	4
18	0	0	2	12	17	5
19	0	0	2	13	11	2
20	0	0	3	14	8	2
21	0	0	12	11	5	2
22	0	0	18	9	2	2
23	0	0	20	10	3	0
24	0	0	21	13	12	0
25	0	0	23	12	13	0
26	0	2	19	8	11	4
27	0	6	11	13	4	0
28	0	7	20	11	4	0
29	0	5	11	5	1	0
30	0	11	4	7	1	0
31	0	7	–	6	1	–
Mean	1	1	8	9	9	6
Max.	8	11	23	21	24	24
Min.	0	0	1	1	1	0
A. F.	63	75	495	505	555	360

Acreage	Reported
D-945	1652

Area reported 1652 acres.
Water diverted 2053 A. F.
Per acre 1.24 A. F.

RUTTNER CANAL, NEW
Diverted from Lodgepole Creek

Day	Apr.	May	June	July	Aug.	Sept.
1	*	0	0	0	1	1
2	*	0	0	0	1	1
3	*	0	0	0	1	1
4	*	0	0	0	1	1
5	*	0	2	0	1	1
6	*	0	2	0	1	1
7	*	0	0	0	1	1
8	*	0	0	0	1	1
9	*	0	2	0	1	1
10	*	0	2	4	1	1
11	*	0	2	4	2	1
12	*	0	2	3	2	1
13	*	0	2	3	2	1
14	*	0	2	3	2	1
15	*	0	2	3	1	1
16	*	0	2	3	2	1
17	*	2	2	3	2	1
18	*	2	2	4	2	1
19	*	2	2	4	1	1
20	*	2	2	3	1	1
21	*	0	0	3	1	1
22	2	0	0	4	1	1
23	*	0	0	4	1	1
24	*	0	0	4	1	1
25	*	0	0	4	1	1
26	*	0	0	4	1	1
27	*	0	0	4	1	1
28	*	0	0	4	1	1
29	*	0	0	4	1	1
30	*	0	0	4	1	1
31	–	0	–	3	1	–
Mean	*	0.2	1	3	1	1
Max.	*	2.0	2	4	2	1
Min.	*	.0	0	0	1	1
A. F.	*	16.0	56	157	75	60

*No record.

Acreage	Reported
D-350R	22
A-727	37
A-857	92
A-869	44
Total	195

Area reported (1941) 195 acres.
Water diverted 364 A. F.—incomplete record.
Per acre 1.87 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

SHERIDAN-WILSON CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	0	0	3	7
2	0	0	0	7	2
3	0	0	0	18	0
4	0	0	0	14	0
5	0	0	0	11	0
6	0	0	0	5	0
7	0	0	0	10	0
8	0	0	0	6	0
9	0	0	0	7	0
10	0	0	0	11	0
11	0	0	0	9	0
12	0	0	4	12	0
13	0	0	8	11	0
14	0	0	8	9	0
15	0	0	10	6	0
16	0	0	11	9	0
17	0	0	8	11	0
18	0	0	6	15	0
19	0	0	14	10	0
20	0	0	19	10	0
21	0	0	22	10	0
22	0	0	24	8	0
23	0	0	27	8	0
24	0	0	22	10	0
25	0	0	17	10	0
26	0	0	22	9	0
27	0	0	20	6	0
28	0	0	12	5	0
29	0	0	7	4	0
30	0	0	4	8	0
31	0	..	14	7	..
Mean	0	0	9	9	0.3
Max.	0	0	27	18	7.0
Min.	0	0	0	3	.0
A. F.	0	0	555	555	18.0

Water diverted 1128 A. F.

SHERIDAN-WILSON CANAL
Diverted from Sarben Slough

Day	May	June	July	Aug.	Sept.
1	0	0	0	3	0
2	0	0	0	3	0
3	0	0	0	3	0
4	0	0	0	3	0
5	0	0	0	3	0
6	0	0	0	3	0
7	0	0	0	3	0
8	0	0	0	3	0
9	0	0	0	3	0
10	0	0	0	3	0
11	0	0	0	3	0
12	0	0	3	3	0
13	0	0	3	3	0
14	0	0	3	3	0
15	0	0	3	3	0
16	0	0	3	3	0
17	0	0	3	3	0
18	0	0	3	3	0
19	0	0	3	3	0
20	0	0	3	3	0
21	0	0	3	4	0
22	0	0	3	4	0
23	0	0	3	4	0
24	0	0	3	4	0
25	0	0	3	4	0
26	0	0	3	4	0
27	0	0	3	4	0
28	0	0	3	4	0
29	0	0	3	1	0
30	0	0	3	4	0
31	0	..	3	4	..
Mean	0	0	2	3	0
Max.	0	0	3	4	0
Min.	0	0	0	3	0
A. F.	0	0	120	205	0

Water diverted 325 A. F.

SHERIDAN-WILSON CANAL
SUMMARY IN ACRE-FEET

	May	June	July	Aug.	Sept.	Total
Diverted from:—						
North Platte River	0	0	555	555	18	1128
Sarben Slough	0	0	120	205	0	325
Total diverted	0	0	675	760	18	1453

Area reported 676 acres.
Net diverted 1453 A. F.
Per acre 2.15 A. F.

Acreage Reported
D-710 676

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

SHORT LINE CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	0	10	6	11
2	0	0	10	6	11
3	0	0	12	6	12
4	0	0	11	6	9
5	0	0	12	5	9
6	0	0	7	5	10
7	0	0	6	0	10
8	0	0	6	8	10
9	0	0	10	8	12
10	0	0	9	8	18
11	0	0	9	8	20
12	0	0	9	7	15
13	0	0	7	11	18
14	0	0	6	8	16
15	0	0	0	8	18
16	0	0	0	10	21
17	0	0	0	9	13
18	0	0	15	9	13
19	0	0	17	25	11
20	0	0	16	8	8
21	0	0	24	0	7
22	0	0	19	5	5
23	0	0	22	16	5
24	0	0	18	15	5
25	0	0	6	20	6
26	0	0	2	26	6
27	0	12	3	11	6
28	0	12	6	14	7
29	0	13	6	15	7
30	0	11	6	13	9
31	0	...	...	...	...
Mean	0	2	9	9	11
Max.	0	13	24	26	21
Min.	0	0	0	0	5
A. F.	0	95	565	585	650

Area reported 2696 acres. Acreage
Water diverted 1895 A. F. Reported
Per acre 0.70 A. F. D-946 2696

SPOHN CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	7
2	0	0	0	0	7
3	0	0	0	0	7
4	0	0	0	0	7
5	0	0	0	0	7
6	0	0	0	0	10
7	0	0	0	0	10
8	0	0	0	0	8
9	0	0	0	0	8
10	0	0	0	0	8
11	0	0	0	0	7
12	0	0	0	0	7
13	0	0	0	0	7
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	4	0
20	0	0	0	7	0
21	0	0	0	6	0
22	0	0	0	6	0
23	0	0	0	7	0
24	0	0	0	7	0
25	0	0	0	7	0
26	0	0	0	6	0
27	0	0	0	5	0
28	0	0	0	5	0
29	0	0	0	5	0
30	0	0	0	5	0
31	0	...	0	7	...
Mean	0	0	0	2	3
Max.	0	0	0	7	10
Min.	0	0	0	0	0
A. F.	0	0	0	153	198

Area reported 300 acres. Acreage
Water diverted 351 A. F. Reported
Per acre 1.17 A. F. D-801 *300
*Estimated.

SIX MILE CANAL
Diverted from Platte River and Sutherland Reservoir

Day	May	June	July	Aug.	Sept.
1	8	0	0	9	4
2	16	0	0	11	12
3	12	0	0	12	14
4	11	0	0	13	0
5	12	0	0	13	0
6	11	0	0	13	0
7	12	0	0	12	0
8	12	0	2	12	0
9	0	0	9	10	0
10	12	0	8	12	0
11	12	0	0	6	0
12	12	0	4	5	0
13	6	0	8	4	0
14	6	0	8	2	0
15	5	0	9	8	0
16	5	0	0	7	0
17	2	0	0	2	0
18	2	0	0	2	0
19	10	0	0	2	0
20	11	0	0	1	0
21	10	0	0	1	0
22	9	0	0	6	0
23	5	0	0	7	0
24	10	0	0	5	0
25	5	0	13	5	0
26	4	0	11	7	0
27	3	0	0	9	0
28	2	0	8	0	0
29	2	0	14	0	0
30	0	0	14	5	0
31	0	...	3	4	...
Mean	7	0	4	7	1
Max.	16	0	14	13	14
Min.	0	0	0	0	0
A. F.	450	0	220	405	60

Area reported *1298 acres Acreage
Water diverted 1135 A. F., Reported
including storage. *D-680 1289
Per acre 0.88 A. F.
Storage water diverted 83 A. F.
*1941 report.

SUBURBAN CANAL
Diverted from North Platte River

Day	Oct.	May	June	July	Aug.	Sept.
1	14	0	38	25	97	62
2	11	0	31	25	95	97
3	11	0	24	24	113	13
4	11	0	23	24	116	9
5	13	0	21	24	105	5
6	11	0	22	23	107	5
7	11	0	22	22	91	5
8	11	0	23	20	82	4
9	0	0	24	22	79	5
10	0	0	26	20	69	5
11	0	0	25	20	70	5
12	0	0	38	19	70	5
13	0	0	38	29	70	5
14	0	0	23	37	63	5
15	0	0	23	39	54	4
16	0	0	24	42	42	4
17	0	0	22	51	52	4
18	0	0	20	46	78	3
19	0	0	23	47	73	3
20	0	0	33	52	68	3
21	0	0	32	70	74	0
22	0	0	28	63	74	0
23	0	0	21	70	74	0
24	0	0	28	88	73	0
25	0	0	26	98	74	0
26	0	0	23	111	68	0
27	0	0	24	23	71	0
28	0	36	26	70	75	0
29	0	36	26	91	70	0
30	0	35	25	100	56	0
31	0	32	...	97	55	...
Mean	3	4	26	48	76	8
Max.	14	36	38	111	116	97
Min.	0	0	20	19	42	0
A. F.	185	275	1550	2960	4680	500

Area reported 7229 acres. Acreage
Water diverted 10150 A. F. Reported
Per acre 1.41 A. F. D-662 7229
No diversion from Lincoln County Drain.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

SUTHERLAND RESERVOIR SUPPLY CANAL

Diverted from North Platte River

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1290	0	0	750	17	16	312	0	0	620	1560	1650
2	1300	0	0	730	17	16	308	0	0	627	1560	1630
3	1290	0	0	525	17	16	310	0	287	624	1560	1620
4	1310	0	0	25	17	16	308	0	462	622	1620	1590
5	1310	0	0	20	17	16	315	0	389	624	1630	1570
6	1310	0	0	19	17	16	316	0	294	624	1620	1600
7	1170	0	0	19	17	16	318	0	260	579	1620	1610
8	673	0	0	19	17	16	319	0	351	574	1620	1640
9	325	0	0	19	17	16	316	0	630	537	1630	1510
10	0	0	537	19	17	16	311	0	654	487	1640	1490
11	0	0	853	18	17	16	308	0	639	485	1660	1490
12	0	0	980	18	17	16	307	0	646	551	1670	1480
13	0	0	1090	18	17	16	303	0	647	709	1640	1500
14	0	0	1270	18	17	16	302	0	646	736	1610	1500
15	0	0	1280	18	17	178	303	0	651	833	1630	1490
16	0	0	1300	18	16	267	297	0	675	930	1630	1480
17	0	0	1300	18	16	278	306	0	696	1070	1650	1440
18	0	0	1320	18	16	282	345	0	698	1290	1660	1420
19	0	0	1320	18	16	281	337	0	692	1380	1640	1350
20	0	0	1310	18	16	287	310	0	622	1420	1650	1150
21	0	0	1310	18	16	327	246	0	680	1510	1650	962
22	0	0	1310	18	16	317	75	0	709	1520	1650	862
23	0	0	1220	18	16	297	0	0	709	1550	1650	853
24	0	0	1040	18	16	290	0	0	691	1560	1650	854
25	0	0	1040	18	16	302	0	0	637	1540	1640	875
26	0	0	1040	18	16	291	0	0	630	1540	1660	847
27	0	0	1060	18	16	310	0	0	627	1550	1640	858
28	0	0	1000	18	16	293	0	0	610	1560	1640	869
29	0	0	705	18	....	303	0	0	625	1550	1640	862
30	0	0	800	18	....	311	0	0	610	1550	1640	797
31	0	0	770	18	....	314	..	0	.....	1550	1630	.....
Mean	322	0	770	81	17	162	219	0	548	1040	1630	1295
Max.	1310	0	1320	750	17	327	345	0	709	1560	1670	1650
Min.	0	0	0	18	16	16	0	0	0	485	1560	847
A. F.	19790	0	47320	5000	920	10000	13040	0	32660	64079	100340	77060

Water diverted 370200 A. F.

SUTHERLAND RESERVOIR SYSTEM

Storage in Sutherland, Regulator, and Forebay Reservoirs, Combined

Total Live Storage in Acre-feet

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	41062	48667	35727	54158	36571	25743	27528	31181	24493	39716	26487	23909
2	43266	48270	35384	54362	36315	25604	27977	31035	24186	40457	25720	25770
3	45306	47945	35078	54188	35734	25432	28116	31180	24045	41082	25474	26701
4	47436	47824	34823	54290	35342	25242	28269	30854	23956	41836	24642	26210
5	49424	46699	34797	52379	35280	25093	28481	30665	23871	42432	24162	26807
6	51500	46677	34380	51154	35044	24449	28712	30546	22772	42819	24054	27515
7	53227	46283	34108	49549	34720	24226	29038	30213	23193	42239	24191	28391
8	55333	45934	33833	48220	34484	24105	29226	29785	22264	42070	24752	30623
9	56224	45311	33459	46990	34419	24088	29102	29503	23405	41714	25398	31167
10	56451	45060	32982	45454	33455	23902	29183	29337	23946	39986	26887	32064
11	56034	44800	31378	44689	32659	23679	29133	29119	24872	37883	26954	32830
12	55555	44537	31647	44754	32283	23749	29367	29030	25118	36240	26988	33476
13	55062	44217	31937	44403	31503	23641	29572	29238	25911	34558	27166	34940
14	54952	43829	32223	43045	31013	23491	29875	28857	26834	32711	26674	36888
15	54717	43602	38441	42740	30904	23387	29883	28624	27403	31892	25080	38811
16	54278	43358	36440	42254	30663	23366	29963	28163	28080	30312	25642	.....
17	53971	42907	38483	42158	30255	23325	29995	27739	28877	29656	26218	41017
18	53601	42809	41005	41920	29394	23626	30257	27556	29243	28046	26156	41934
19	53138	42443	43049	41486	28525	23902	31909	27297	30000	27099	25519	43075
20	52749	42191	45066	41089	27734	24272	32630	27105	29523	27285	25034	43600
21	52453	41984	46831	41000	27352	24413	32797	26796	31902	26175	24459	44858
22	52104	41326	48764	40449	27007	24693	33018	26685	32788	26221	24223	44715
23	51764	40406	50786	40400	26926	25033	32981	26358	33615	25801	23691	44551
24	51437	38103	52786	39718	26773	25301	32715	26200	34668	26178	23518	44913
25	51039	36906	52791	38902	26576	25689	32622	25887	35550	25926	22641	44979
26	50724	36702	53422	38676	26484	26679	32630	25656	36243	.....	22371	45248
27	50385	36655	53847	38327	26136	26368	32290	25388	36939	26961	22191	45315
28	50033	36374	53849	38041	25953	26481	31965	25253	37775	26577	22528	26690
29	49676	36105	54643	37932	.....	26720	31689	24997	38465	26518	.....	46171
30	49261	35914	54597	37689	.....	26925	31360	24776	39174	26811	23588	46507
31	48933	.....	54709	37444	.....	27201	.....	24656	.....	26716	23771	.....

Reported by Platte Valley Public Power and Irrigation District.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

SUTHERLAND PROJECT POWER RETURN
To the River at North Platte—Sec. 5-13-30 W.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	20	20	349	20	20	20	20	20	20	1394	1240
2	19	20	35	523	124	20	20	20	20	20	1528	1166
3	19	20	20	413	20	20	20	20	20	20	1386	1326
4	19	330	20	219	20	20	31	20	278	20	1428	1034
5	19	132	22	574	20	163	20	20	431	148	1413	988
6	19	20	20	537	20	20	20	20	20	297	1103	972
7	19	20	20	463	20	20	65	20	20	296	1048	579
8	19	20	20	404	20	20	148	20	20	400	1138	692
9	19	20	20	427	300	20	100	20	20	690	477	697
10	19	20	463	371	158	20	20	20	20	796	1020	653
11	19	20	686	20	71	20	28	20	88	976	1194	685
12	19	20	344	224	306	20	20	20	286	799	1253	773
13	19	20	313	167	64	20	20	20	20	1133	1299	279
14	19	20	225	79	20	20	20	20	20	1019	1468	221
15	19	20	127	44	20	20	118	20	20	776	1513	320
16	19	20	6	20	69	20	53	20	20	931	1224	668
17	19	20	20	20	222	20	20	20	329	1047	1318	540
18	19	20	20	20	182	20	20	20	28	1018	1439	462
19	19	20	20	20	261	20	20	20	20	889	1491	583
20	19	20	20	20	127	20	20	20	20	1158	1478	292
21	19	21	20	96	20	20	20	20	25	1185	1480	692
22	19	327	20	22	20	20	20	20	22	1214	1458	627
23	19	238	20	228	20	20	20	20	20	1023	1361	344
24	19	503	444	195	20	20	20	20	23	1111	1557	410
25	19	109	392	20	20	20	20	20	20	1371	1703	500
26	19	20	512	20	20	20	20	20	20	891	1289	462
27	19	20	520	20	20	20	52	20	20	1103	1311	248
28	19	20	175	20	20	20	20	20	20	1353	1086	433
29	19	20	563	20	...	20	20	20	20	935	925	602
30	19	20	320	20	...	20	20	20	20	1248	1137	562
31	19	...	584	235	...	20	...	20	...	1291	1304	.....
Mean	19	71	194	187	82	25	35	20	64	807	1298	635
Max.	19	503	686	574	360	163	148	20	431	1371	1703	1240
Min.	19	20	6	20	20	20	20	20	20	20	477	221
A. F.	1170	4200	11920	11520	4550	1510	2060	1230	3830	49940	79780	37790

Total 209500 A. F.
Records furnished by the Platte Valley Public Power and Irrigation District.

THIRTY MILE CANAL
Diverted from Platte River and Sutherland Reservoir

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	114	86	0	60	61	190	157
2	115	88	0	57	64	208	58
3	106	99	0	50	55	205	0
4	104	98	0	43	64	206	50
5	102	102	0	51	63	207	110
6	68	103	0	57	74	214	77
7	62	100	0	24	59	210	66
8	69	97	0	43	58	210	57
9	83	93	0	76	60	212	48
10	79	89	0	98	50	208	42
11	78	66	0	99	52	195	36
12	83	56	0	111	64	210	42
13	78	66	0	121	56	206	53
14	75	63	0	117	55	211	53
15	86	52	0	113	48	211	45
16	89	53	0	109	46	189	37
17	90	53	0	94	73	193	37
18	90	57	0	97	108	186	40
19	89	57	0	79	140	178	39
20	93	55	7	95	143	181	35
21	92	48	36	99	154	175	35
22	93	14	39	67	153	172	33
23	93	13	34	63	16	172	41
24	93	13	38	25	53	169	45
25	91	10	58	32	80	171	60
26	90	0	57	39	45	168	55
27	85	0	51	34	186	144	55
28	90	0	51	30	177	160	52
29	88	0	51	38	206	169	49
30	92	0	47	39	198	141	47
31	86	...	53	....	208	154	...
Mean	89	54	17	69	93	188	51
Max.	115	103	58	121	208	214	157
Min.	62	0	0	24	16	141	0
A. F.	5445	3235	1035	4090	5690	11550	3080

Water diverted 34125 A. F.
(See next page for summary in acre-feet of Thirty Mile Canal.)

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

THIRTY MILE CANAL
SUMMARY IN ACRE-FEET

	Oct.	Nov.	May	June	July	Aug.	Sept.	Total
Diverted from Platte River	5445	3235	1035	4090	5690	11550	3080	34125
Spill to Platte River:—								
Little Spillway	*	*	220	520	345	155	305	1545
Middle Spillway	*	*	75	550	345	210	60	1240
Henderson Spillway	*	*	125	425	195	180	265	1190
Darr Spillway	*	*	325	1060	530	270	640	2825
Total spill	*	*	745	2555	1415	815	1270	6800
Net diverted	5445	3235	290	1535	4275	10735	1810	27325

Area reported 23089 acres.
Net diverted 27325 A. F., including storage.
Per acre 1.18 A. F.
Storage water diverted 5873 A. F.
*No record.

Acreage	Reported
A-1853	19294
A-1976	3475
A-2077	320
Total	23089

TRI-COUNTY CANAL NEAR MAXWELL
Diverted from Platte River

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	650	616	680	1120	965	535	1760	2150	1880	0	840	1760
2	570	615	700	855	955	715	1730	1900	1670	0	1050	1740
3	535	665	705	1250	990	865	1620	1720	1680	0	860	1860
4	535	815	710	785	1050	1010	1500	1620	1780	0	1440	1920
5	625	925	710	760	1090	1330	1420	1720	1730	130	1840	1890
6	690	645	690	1300	1050	1460	1330	1510	1870	503	1780	1850
7	625	620	700	1360	985	1340	1260	1340	1850	260	1890	1730
8	600	595	690	1280	805	1350	1330	1250	1790	310	1920	1570
9	610	590	670	1170	1110	1300	1360	1270	1880	920	1500	1540
10	575	600	725	980	1330	1250	1170	1140	1810	1060	1590	1490
11	545	590	995	980	970	1170	1090	1300	1620	502	1940	1320
12	620	600	960	730	1050	1120	1060	1570	1270	100	1920	1380
13	700	615	1080	975	1140	1100	1050	1650	1170	60	1910	1260
14	605	615	985	885	1030	1120	1020	1620	1130	390	2000	980
15	565	620	1070	915	1000	1230	1020	1800	1140	1220	1970	850
16	550	560	895	950	935	1440	1060	1940	1220	1680	1900	1360
17	540	630	860	940	815	1450	915	1960	1500	1720	1850	1210
18	535	640	875	995	405	1460	1370	1930	1680	1770	1880	1020
19	530	650	780	805	735	1580	1870	1770	1690	1420	1920	1030
20	540	625	755	730	725	1790	1940	1590	1730	1590	1940	1000
21	570	625	760	875	770	2000	1850	1630	950	1840	1930	1270
22	610	610	745	825	805	1570	1900	1640	500	1610	1900	1140
23	600	740	675	790	770	1606	1810	1590	0	1520	1820	1060
24	570	1130	870	870	730	1620	1910	1340	0	1470	1870	890
25	570	1060	1050	865	720	1460	2000	1110	0	1660	2040	1200
26	635	785	885	860	660	1160	1520	1170	0	740	1830	1230
27	730	785	1120	935	670	1020	1170	1540	0	420	1730	1060
28	730	750	925	1020	600	970	1310	1930	0	1100	1670	1130
29	665	710	795	1060	.....	1340	2230	1780	0	980	1330	1230
30	515	690	1350	1050	.....	1800	2100	1900	0	950	1600	1160
31	610	.....	1260	1090	.....	1710	.....	1940	.....	1050	1630	.....
Mean	600	690	866	970	890	1320	1490	1620	1120	870	1720	1340
Max.	730	1130	1350	1360	1330	2000	2230	2150	1880	1840	2040	1920
Min.	515	560	670	730	405	635	915	1110	0	0	840	850
A. F.	36790	41090	52900	59510	49310	81430	88590	99810	66530	53500	105700	79640

Water diverted 814800 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

TRI-COUNTY CANAL, JEFFREY POWER RETURN
To Platte River

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	385	262	117	217	38	0	0	0	0	170	0	558
2	424	310	110	197	8	0	0	0	0	146	0	192
3	366	267	111	171	8	0	0	0	0	115	0	0
4	302	267	109	187	22	0	0	0	0	71	0	0
5	285	265	109	193	18	0	0	0	828	49	0	0
6	213	270	109	204	20	0	0	0	0	31	0	0
7	208	275	109	204	20	0	0	0	0	0	0	0
8	222	273	109	204	21	0	0	0	0	0	0	0
9	231	273	109	215	12	0	0	0	14	0	0	0
10	258	268	78	171	0	0	0	0	49	0	0	0
11	260	235	87	162	0	0	0	0	48	0	0	0
12	315	140	64	167	0	0	0	0	44	0	84	0
13	307	151	63	137	0	0	0	0	38	0	119	0
14	323	183	63	120	0	0	0	0	38	0	194	0
15	345	167	63	114	0	0	0	0	38	0	82	0
16	320	169	62	117	0	0	0	0	21	149	0	0
17	334	175	63	121	0	0	0	0	0	290	348	0
18	331	171	66	124	0	0	0	0	0	355	531	0
19	334	165	78	132	0	0	0	0	0	663	531	0
20	331	169	87	135	0	0	0	0	0	657	536	0
21	326	171	87	135	0	0	0	0	0	455	517	0
22	323	.....	87	138	0	0	0	0	0	492	515	0
23	320	.....	67	138	0	0	0	0	52	649	496	18
24	328	.....	70	135	0	0	0	0	55	690	483	53
25	318	123	49	105	0	0	0	0	0	860	481	78
26	312	119	49	95	0	0	0	0	0	122	479	75
27	312	114	51	83	0	0	0	0	0	53	476	78
28	309	111	71	82	0	0	0	0	0	0	449	77
29	288	112	92	80	..	0	0	0	77	0	408	80
30	290	103	95	74	..	0	0	0	288	0	392	78
31	275	.....	105	64	..	0	..	0	.....	0	423	.....
Mean	306	177	83	142	6	0	0	0	53	194	243	43
Max.	424	310	117	217	38	0	0	0	828	860	536	558
Min.	208	0	49	64	0	0	0	0	0	0	0	0
A. F.	18830	10530	5140	8770	330	0	0	0	3150	11930	14960	2550

Total return 76190 A. F.

TRI-COUNTY CANAL, JOHNSON POWER RETURN
To Platte River

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	524	0	566	159	710	0	61	128
2	0	0	0	0	525	0	701	131	1266	95	48	113
3	0	0	0	0	426	0	852	372	1340	607	80	249
4	0	0	0	0	0	0	240	838	280	137	77	326
5	0	0	0	0	6	0	336	645	887	10	32	24
6	0	0	0	0	0	0	698	904	1694	10	0	0
7	0	0	0	0	0	0	694	872	1172	10	4	0
8	0	0	0	0	0	0	453	897	1123	10	98	524
9	0	0	0	0	400	0	550	1176	1212	10	414	421
10	0	0	0	0	507	0	547	714	848	10	363	469
11	0	0	0	0	507	0	480	1111	1161	10	10	887
12	0	0	0	0	503	40	0	1429	1196	0	10	1243
13	0	0	0	0	483	180	0	1217	1553	0	10	1244
14	0	0	0	0	504	283	0	1298	910	0	10	1060
15	0	0	0	0	499	0	0	1225	1238	0	10	815
16	0	0	0	0	465	283	0	951	1470	0	10	872
17	0	0	0	0	543	443	0	351	1534	0	10	848
18	0	0	0	0	501	404	0	547	1513	0	10	699
19	0	0	0	0	490	385	0	905	1358	0	10	677
20	0	0	0	0	443	518	0	1248	512	0	10	317
21	0	0	0	3	328	542	0	1319	300	0	10	562
22	0	0	0	0	171	268	0	1337	786	0	10	606
23	0	0	0	0	0	586	0	1099	1383	0	10	645
24	0	0	0	0	0	784	0	615	770	0	10	539
25	0	0	0	0	0	781	0	945	755	0	10	471
26	0	0	0	0	0	1044	0	1325	347	0	10	631
27	0	0	0	0	0	1205	186	1526	303	0	10	287
28	0	0	0	0	0	1237	724	1600	345	0	10	498
29	0	0	0	0	...	299	606	1717	167	0	10	485
30	0	0	0	0	..	120	502	894	0	0	33	414
31	0		0	479	...	969	.....	1559	.....	0	67	.....
Mean	0	0	0	15	261	335	271	994	937	29	47	535
Max.	0	0	0	479	543	1237	852	1717	1694	607	363	1248
Min.	0	0	0	0	0	0	0	131	0	0	0	0
A. F.	0	0	0	950	15510	20570	16140	61340	55800	1800	2910	31860

Total return 206880 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

TRI-STATE CANAL
Diversions by the Farmers Irrigation District and the Northport Irrigation District from North Platte River and Pathfinder Reservoir

Day	May	June	July	Aug.	Sept.
1	0	724	588	931	865
2	0	771	568	913	852
3	0	808	596	907	834
4	0	810	709	933	828
5	0	806	774	938	823
6	0	828	808	902	814
7	0	830	853	876	799
8	0	787	797	902	795
9	74	770	927	900	781
10	157	843	1017	887	772
11	150	854	1034	887	749
12	150	797	1067	883	764
13	122	778	1074	878	741
14	123	745	1087	869	713
15	50	648	1092	867	705
16	0	670	1094	863	692
17	0	642	1096	861	688
18	0	619	1094	865	655
19	171	619	1085	867	598
20	347	724	1074	869	602
21	349	732	1052	867	615
22	315	732	1037	863	526
23	309	739	1019	887	382
24	309	741	1008	898	352
25	392	720	1006	888	339
26	454	697	984	896	315
27	504	703	977	889	320
28	564	692	951	861	144
29	604	680	940	858	0
30	659	672	927	852	9
31	684	.....	933	850	...
Mean	209	739	944	884	602
Max.	684	854	1096	938	865
Min.	0	619	558	850	0
A. F.	12860	44000	58020	54390	35830

Water diverted 205100 A. F.

TRI-STATE LATERAL NO. 1
Diverted from North Platte River and Pathfinder Reservoir

Day	May	June	July	Aug.	Sept.
1	0	0	5	0	4
2	0	0	5	0	3
3	0	6	6	0	3
4	0	7	6	7	3
5	0	5	6	4	3
6	0	6	6	4	3
7	0	6	6	4	3
8	0	5	4	3	3
9	0	5	5	4	3
10	0	7	6	4	4
11	0	6	5	4	3
12	0	5	6	6	3
13	0	6	5	5	3
14	0	5	5	5	3
15	0	4	5	5	3
16	0	5	5	5	3
17	0	4	5	5	3
18	0	5	6	5	3
19	0	3	5	4	2
20	0	5	6	4	0
21	0	6	6	4	0
22	0	6	6	4	0
23	0	6	7	4	0
24	0	6	7	4	0
25	0	6	6	4	0
26	0	6	6	4	0
27	0	6	7	4	0
28	0	7	0	4	0
29	0	7	0	4	0
30	0	7	0	4	0
31	0	..	0	4	..
Mean	0	5	5	4	2
Max.	0	7	7	5	4
Min.	0	0	0	0	0
A. F.	0	310	305	240	115

Water diverted 970 A. F.

TRI-STATE LATERAL NO. 2
Diverted from North Platte River and Pathfinder Reservoir

Day	May	June	July	Aug.	Sept.
1	0	0	4	5	6
2	0	0	4	5	6
3	0	5	5	5	6
4	0	3	5	5	6
5	0	4	5	5	5
6	0	5	6	5	5
7	0	5	7	4	5
8	0	5	5	5	5
9	0	6	7	5	5
10	0	7	8	5	5
11	0	6	7	5	5
12	0	5	8	5	5
13	0	12	6	4	5
14	0	11	4	4	5
15	0	10	2	4	5
16	0	10	3	4	5
17	0	6	5	4	5
18	0	6	5	4	5
19	0	6	6	4	5
20	0	6	7	4	0
21	0	6	7	4	0
22	0	6	7	4	0
23	0	7	7	4	0
24	0	6	6	5	0
25	0	5	5	5	0
26	0	5	5	5	0
27	0	5	5	5	0
28	0	6	5	5	0
29	0	5	5	5	0
30	0	5	5	5	0
31	0	..	6	5	..
Mean	0	6	6	5	3
Max.	0	12	8	5	6
Min.	0	0	2	4	0
A. F.	0	340	340	285	199

Water diverted 1164 A. F.

TRI-STATE LATERAL NO. 3
Diverted from North Platte River and Pathfinder Reservoir

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	2	0
6	0	0	0	2	0
7	0	0	0	2	0
8	0	0	0	2	0
9	0	0	0	2	2
10	0	0	0	2	2
11	0	0	0	2	2
12	0	0	0	2	2
13	0	0	0	0	0
14	0	0	4	0	0
15	0	0	4	0	0
16	0	0	4	0	0
17	0	0	4	0	0
18	0	0	4	0	0
19	0	0	4	3	0
20	0	0	4	3	0
21	0	0	4	2	0
22	0	0	2	2	0
23	0	0	2	2	0
24	0	0	2	0	0
25	0	0	2	0	0
26	0	0	2	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	..	0	0	..
Mean	0	0	1	1	0.2
Max.	0	0	4	3	2
Min.	0	0	0	0	0
A. F.	0	0	85	55	16

Water diverted 156 A. F.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

TRI-STATE CANAL
Government Owned Return Flow from Akers Draw

Day	May	June	July	Aug.	Sept.
1	0	8	8	10	12
2	0	8	8	10	12
3	0	8	8	10	12
4	0	9	8	10	13
5	0	9	8	10	13
6	0	9	8	10	13
7	0	9	8	10	13
8	0	9	8	10	12
9	8	9	8	10	12
10	8	9	8	10	12
11	8	9	8	10	12
12	8	9	9	10	12
13	9	9	9	10	12
14	9	9	9	10	12
15	9	9	9	10	12
16	9	8	9	10	12
17	9	8	9	11	12
18	9	8	9	11	12
19	9	8	9	11	12
20	9	8	9	12	12
21	9	8	9	12	12
22	9	8	9	12	12
23	9	8	9	12	12
24	9	8	9	12	12
25	8	8	9	12	12
26	8	8	9	12	12
27	8	8	10	12	12
28	7	8	10	12	12
29	7	8	10	12	22
30	7	8	10	12	12
31	8	_	10	12	_
Mean	6	8	9	11	12
Max.	9	9	10	12	13
Min.	0	8	8	10	12
A. F.	385	500	540	670	720

Water diverted 2815 A. F.

TRI-STATE CANAL
Government Owned Return Flow from Sheep Creek

Day	May	June	July	Aug.	Sept.
1	0	0	0	53	75
2	0	0	20	51	77
3	0	0	47	63	79
4	0	0	48	64	81
5	0	0	45	71	83
6	0	0	50	70	83
7	0	0	52	71	82
8	0	0	46	76	82
9	0	0	47	75	82
10	0	0	33	80	80
11	0	0	54	77	81
12	0	0	41	78	82
13	0	0	40	78	84
14	0	0	43	75	82
15	0	0	51	74	82
16	0	0	48	75	79
17	0	0	46	74	82
18	0	0	46	71	88
19	0	0	46	71	94
20	0	0	44	73	49
21	0	0	55	73	27
22	0	0	52	72	0
23	0	0	48	73	0
24	0	0	62	74	0
25	0	0	60	76	0
26	0	0	60	76	0
27	0	0	60	77	0
28	0	0	61	78	0
29	0	0	56	78	0
30	0	0	63	78	0
31	0	_	60	76	_
Mean	0	0	49	72	54
Max.	0	0	83	80	94
Min.	0	0	0	51	0
A. F.	0	0	3040	4465	3240

Water diverted 10745 A. F.

TRI-STATE CANAL
Government Owned Return Flow from Wet Spotted Tail Creek

Day	May	June	July	Aug.	Sept.
1	0	20	9	18	22
2	0	12	9	19	24
3	0	12	9	16	24
4	0	14	9	14	21
5	0	13	14	17	22
6	0	15	14	16	25
7	0	12	14	14	26
8	0	12	14	14	23
9	12	11	12	15	26
10	12	11	7	14	26
11	12	7	10	14	27
12	12	8	9	15	29
13	13	8	8	17	30
14	13	7	9	17	29
15	13	7	10	17	33
16	14	11	11	16	34
17	14	6	12	14	33
18	14	5	12	18	38
19	13	5	13	16	35
20	13	6	11	17	34
21	13	9	11	17	35
22	13	8	12	15	34
23	13	7	12	16	34
24	13	8	12	16	35
25	13	15	12	16	36
26	13	9	12	18	33
27	12	9	18	20	32
28	12	10	16	20	32
29	12	8	17	23	32
30	12	8	18	20	31
31	13	_	18	21	_
Mean	9	9	12	17	30
Max.	14	20	18	23	38
Min.	0	5	7	14	21
A. F.	580	580	740	1030	1780

Water diverted 4710 A. F.

TRI-STATE CANAL
Government Owned Return Flow from Tub Springs

Day	May	June	July	Aug.	Sept.
1	0	0	0	30	43
2	0	0	0	30	43
3	0	0	12	31	45
4	0	0	25	31	47
5	0	0	26	36	46
6	0	0	24	31	46
7	0	0	24	36	46
8	0	0	25	36	46
9	0	0	25	37	46
10	0	0	25	36	46
11	0	0	25	36	45
12	0	0	25	36	44
13	0	0	26	37	44
14	0	0	27	37	42
15	0	0	27	37	42
16	0	0	27	37	42
17	0	0	27	35	42
18	0	0	27	39	42
19	0	0	27	38	44
20	0	0	27	35	44
21	0	0	28	36	38
22	0	0	28	33	0
23	0	0	28	31	0
24	0	0	29	33	35
25	0	0	30	34	34
26	0	0	32	35	32
27	0	0	30	43	32
28	0	0	32	42	32
29	0	0	32	42	32
30	0	0	32	43	32
31	0	_	31	43	_
Mean	0	0	25	36	38
Max.	0	0	32	43	47
Min.	0	0	0	30	0
A. F.	0	0	1550	2215	2280

Water diverted 6045 A. F.

(See next page for summary in acre-feet of Tri-State Canal.)

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

TRI-STATE CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from North Platte River:—							
At rating Station	*	12860	44000	58020	54390	35830	205100
Lateral No. 1	*	0	310	305	240	115	970
Lateral No. 2	*	0	340	340	285	199	1164
Lateral No. 3	*	0	0	85	55	16	156
Subtotal	*	12860	44650	58750	54970	36160	207390
Diverted from Drains:—							
Sheep Creek	0	0	0	3040	4465	3240	10745
Akers Draw	*	385	500	540	670	720	2815
Tub Springs	*	0	0	1550	2215	2280	6045
Dry Spotted Tail Creek	0	0	0	0	0	0	0
Wet Spotted Tail Creek	*	580	580	740	1030	1780	4710
Moffatt Drain	0	0	0	0	0	0	0
Alliance Drain	0	0	0	0	0	0	0
Lateral from Alliance Drain	*	*	*	*	*	*	*
Subtotal	*	965	1080	5870	8380	8020	24315
Total diverted from river and drains	*	13825	45730	64620	63350	44180	231705
Diverted for Northport Irrigation District	*	1495	12040	14630	15460	14350	57975
Net for Farmers Irrigation District	*	12330	33690	49990	47890	29830	173730

*No record.

TRI-STATE CANAL—D-918
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	568	380	738	732
2	0	602	386	718	712
3	0	649	525	729	693
4	0	670	680	742	689
5	0	638	726	747	678
6	0	637	769	709	676
7	0	630	823	744	662
8	0	594	766	815	657
9	70	581	840	787	655
10	149	643	970	760	638
11	143	617	961	771	615
12	143	575	889	775	631
13	116	563	869	758	588
14	117	529	875	743	549
15	48	422	849	744	571
16	0	463	855	784	567
17	0	420	887	734	553
18	0	405	889	753	508
19	162	414	870	740	474
20	330	531	830	724	485
21	332	520	823	727	476
22	289	522	779	716	308
23	294	552	756	714	162
24	294	526	757	713	216
25	372	513	768	711	205
26	431	487	747	724	215
27	479	490	744	731	287
28	536	478	730	717	94
29	512	458	725	729	0
30	527	461	721	721	0
31	555	...	745	717	...
Mean	191	538	773	740	473
Max.	555	670	970	815	732
Min.	0	405	380	709	0
A. F.	11720	32010	47490	45490	28260

Area reported 61398 acres. Acreage
Water diverted 165070 A. F. Reported
Per acre 2.74 A. F. D-918 61398

TRI-STATE CANAL—A-660
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	30	20	39	39
2	0	32	20	38	37
3	0	34	28	38	36
4	0	35	36	39	36
5	0	33	39	39	36
6	0	33	40	37	36
7	0	33	43	39	35
8	0	31	40	43	35
9	4	30	44	41	34
10	8	34	51	40	34
11	7	32	52	41	32
12	7	30	47	41	33
13	6	30	46	40	31
14	6	28	46	38	29
15	2	22	45	39	30
16	0	24	45	41	30
17	0	22	47	39	29
18	0	21	47	40	27
19	9	22	46	38	25
20	17	28	44	38	25
21	17	27	43	38	25
22	16	28	41	38	16
23	15	28	40	38	8
24	15	28	40	38	11
25	20	27	40	37	6
26	23	26	39	38	11
27	25	26	39	38	15
28	28	25	38	38	5
29	27	24	38	38	0
30	28	24	38	38	0
31	29	...	39	38	...
Mean	10	28	41	39	25
Max.	29	35	52	43	39
Min.	0	21	20	37	0
A. F.	610	1680	2500	2390	1480

Area reported 3643 acres. Acreage
Water diverted 8660 A. F. Reported
Per acre 2.38 A. F. A-660 3643

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

UNION CANAL
Diverted from Blue Creek and Crescent Lake—A-1575

Day	May	June	July	Aug.	Sept.
1	0	0	0	12	15
2	0	0	0	17	13
3	0	0	0	18	9
4	0	0	0	18	9
5	0	0	0	10	8
6	0	0	0	0	9
7	0	0	0	0	9
8	0	0	7	0	7
9	0	0	11	0	9
10	0	0	11	10	12
11	0	0	13	19	13
12	0	0	13	19	14
13	0	0	13	20	13
14	0	0	12	19	13
15	0	0	10	17	13
16	0	0	8	16	13
17	0	0	9	14	13
18	0	0	9	12	7
19	0	0	0	16	0
20	0	0	0	16	1
21	0	0	0	16	8
22	0	0	10	18	7
23	0	0	11	17	6
24	0	0	14	14	6
25	0	0	14	14	5
26	0	0	14	14	6
27	0	0	15	16	5
28	0	0	15	17	4
29	0	0	12	17	4
30	0	0	13	18	4
31	0	–	13	18	–
Mean	0	0	8	14	8
Max.	0	0	15	20	15
Min.	0	0	0	0	0
A. F.	0	0	490	855	505

Acreage	Reported
D-763	1224

Area reported 1224 acres.
Water diverted 1850 A. F.
Per acre 1.51 A. F.
No diversion from Crescent Lake.

WESTERN CANAL
Diverted from South Platte River

Day	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	54	28	0	0	6	0	69	46
2	29	16	0	0	6	0	65	69
3	0	0	0	0	0	0	67	65
4	0	0	0	0	0	0	67	65
5	0	0	0	0	0	0	65	63
6	0	0	0	0	6	0	59	61
7	0	0	0	0	0	0	56	65
8	0	0	0	0	0	0	52	85
9	0	0	0	0	0	0	52	103
10	0	0	0	0	0	0	52	124
11	0	0	0	0	0	0	52	133
12	0	0	0	0	0	0	50	116
13	0	0	31	0	0	0	50	95
14	0	0	63	0	0	0	48	95
15	0	0	63	0	0	0	48	130
16	0	0	69	0	0	0	52	156
17	0	0	100	0	0	0	48	127
18	0	0	69	0	0	31	46	90
19	0	0	48	0	0	106	46	72
20	0	0	50	0	0	150	48	93
21	0	0	67	0	0	168	46	90
22	0	0	83	0	0	147	46	56
23	0	0	119	0	0	130	46	43
24	56	0	150	0	0	122	45	48
25	59	0	51	0	0	113	43	54
26	40	0	0	0	0	106	43	46
27	29	0	0	0	0	100	43	45
28	28	0	0	0	0	98	43	48
29	27	0	0	0	0	88	43	43
30	28	0	0	0	0	81	43	45
31	27	–	–	0	–	76	42	–
Mean	12	1	32	–	–	49	51	79
Max.	59	28	150	–	–	168	69	156
Min.	0	0	0	–	–	0	42	43
A. F.	750	90	1910	–	–	3010	3120	4700

Area reported 12563 acres.
Water diverted 13580 A. F.
Per acre 1.08 A. F.

Acreage	Reported
A-393	12199
A-1804	364
Total	12563

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONTINUED

WHITNEY RESERVOIR—WHITNEY IRRIGATION DISTRICT
Diverted from White River, Storage in Acre-feet

Day	Oct.	Nov.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	.....	.....	.....	.....	.....	7980	.....	.....	.....	.....	.....
4	.....	.....	.....	.....	6710	.....	.....	.....	.....	.....	.....
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	.....	.....	.....	.....	.....	.....	.....	.....	8780	.....	.....
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6670
9	.....	.....	.....	.....	.....	.....	.....	8955	.....	.....	.....
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	.....	4405	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	1650	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	.....	.....	.....	.....	.....	.....	.....	.....	8150	.....	.....
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	.....	3430	.....	.....	.....	.....	.....	.....	.....	7470	6250
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	.....	.....	.....	.....	.....	.....	9000	.....	.....	.....	.....
24	.....	.....	.....	6390	.....	.....	.....	.....	.....	.....	.....
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	.....	.....	6445	.....	.....	.....	.....	.....	.....	.....	.....
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

WINTERS CREEK CANAL
Diverted from North Platte River

Day	May	June	July	Aug.	Sept.
1	0	4	22	26	18
2	0	4	20	26	18
3	0	8	17	26	13
4	0	12	19	26	15
5	0	7	18	25	15
6	0	8	25	25	12
7	0	13	3	27	13
8	0	16	3	30	12
9	0	16	16	32	15
10	0	23	40	30	15
11	0	14	43	29	15
12	0	18	45	29	18
13	0	22	47	26	16
14	0	18	52	26	15
15	0	14	54	26	16
16	0	9	54	26	15
17	0	9	50	26	15
18	0	9	50	27	15
19	0	8	48	25	0
20	0	9	44	24	15
21	0	15	36	25	20
22	0	16	34	25	16
23	0	17	29	25	16
24	0	19	31	25	0
25	0	25	32	25	0
26	0	22	29	25	0
27	5	21	29	25	0
28	11	28	29	20	0
29	8	25	28	20	0
30	6	17	27	19	0
31	7	...	26	19	...
Mean	1	15	32	25	11
Max.	11	28	54	32	20
Min.	0	4	3	19	0
A. F.	73	885	1980	1570	660

Water diverted 5168 A. F.

WINTERS CREEK CANAL
Diverted from Winters Creek

Day	Oct.	May	June	July	Aug.	Sept.
1	35	0	16	24	47	48
2	35	0	27	28	41	53
3	35	0	17	37	53	40
4	34	0	19	44	65	57
5	34	0	21	49	62	52
6	34	0	24	39	66	23
7	33	0	21	29	63	42
8	33	0	24	30	37	46
9	33	0	10	31	40	15
10	32	0	16	42	51	44
11	32	0	18	44	58	41
12	32	0	14	50	60	36
13	32	0	23	46	57	34
14	32	0	1	49	50	32
15	32	0	7	55	53	28
16	0	0	11	57	54	34
17	0	0	16	58	58	40
18	0	0	34	60	63	42
19	0	0	29	52	57	37
20	0	0	28	35	53	47
21	0	0	25	55	47	34
22	0	0	24	47	46	35
23	0	0	27	33	45	34
24	0	0	23	50	49	15
25	0	0	20	48	55	0
26	0	0	16	44	58	0
27	0	0	0	43	51	0
28	0	3	0	48	51	0
29	0	13	0	52	54	0
30	0	10	29	49	54	0
31	0	0	...	48	51	...
Mean	16	1	18	44	53	31
Max.	35	13	34	60	66	57
Min.	0	0	0	24	37	0
A. F.	*990	52	1070	2730	3270	1860

Water diverted 9972 A. F.
*Estimated.

DISCHARGE OF CANALS IN SECOND-FEET, 1942—CONCLUDED

WINTERS CREEK LATERAL
Diverted from Winters Creek

Day	May	June	July	Aug.	Sept.
1	0	0	9	7	10
2	0	0	9	6	12
3	0	3	7	9	13
4	0	0	6	5	10
5	0	0	6	5	8
6	0	0	10	6	7
7	0	0	12	9	12
8	0	7	11	8	15
9	0	12	10	9	0
10	0	14	10	14	3
11	0	12	9	13	10
12	0	12	13	10	10
13	0	9	7	9	11
14	0	0	10	11	10
15	0	6	9	12	12
16	0	12	10	13	12
17	0	11	9	13	12
18	0	10	8	13	8
19	0	9	7	9	0
20	0	13	6	9	0
21	0	0	9	9	0
22	0	8	7	8	0
23	0	9	8	9	7
24	0	7	9	10	6
25	0	0	9	9	0
26	0	0	9	7	0
27	0	0	13	8	0
28	0	0	13	8	0
29	0	0	12	7	0
30	0	0	10	7	0
31	0		9	10	
Mean	0	5	9	9	6
Max.	0	14	13	14	15
Min.	0	0	6	5	0
A. F.	0	295	570	560	370

Water diverted 1795 A. F.

WINTERS CREEK CANAL
SUMMARY IN ACRE-FEET

	Oct.	May	June	July	Aug.	Sept.	Total
Diverted from:—							
North Platte River		73	885	1980	1570	660	5168
Winters Creek:—							
Main canal	990	52	1070	2730	3270	1860	9972
Factory lateral		0	295	570	560	370	1795
Total diverted	990	125	2250	5280	5400	2890	16935

Area reported 5727 acres.
Net diverted 16935 A. F.
Per acre 2.96 A. F.
No record of spill for 1942.

Acreage Reported
D-952 5727

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BUREAU OF IRRIGATION, WATER POWER AND DRAINAGE

A	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
Aberdeen Canal—Frenchman River	.....	.....	535	793	.....
Adams Canal—Lodgepole Creek	.....	453	535	.....	.....
Airedale Canals—Pumpkinseed Creek	.....	453	535	.....	.....
Alcova Reservoir (658, 673)	.....	.....	.....	.....	.....
Alfalfa Canal—North Platte River	.....	453	536	793	.....
Allen-Larned Canal—Buffalo Creek	.....	453	536	794	.....
Alliance Canal—Bayard Sugar Factory Drain	.....	453	536	794	878
Alliance Canal—Red Willow Creek	.....	454	536	795	878
Alliance Drain—Above Tri-State Canal	.....	.....	371	.....	.....
Almeria Canal—North Loup River	.....	454	537	796	.....
Amsberry Pump—Mud (Beaver) Creek	.....	.....	537	.....	.....
Anderson Canal—Lodgepole Creek	.....	454	537	.....	.....
Andrews Supply Canal—Sow Belly Creek	.....	454	537	.....	.....
Anne Creek, Big—Carns	.....	.....	371	.....	.....
Antelope Creek	.....	.....	371	.....	.....
Aowa Creek—Ponca	.....	.....	371	.....	.....
Applegate Drain	.....	325	371	.....	.....
Arikaree River—Haigler	253	325	372	701	745
Ash Canyon Creek—Ansley	.....	.....	372	.....	.....
Ash Creek:					
Fullerton	.....	.....	372	.....	.....
Mariaville	.....	.....	372	.....	.....
Whitney	.....	325	372	.....	.....
Ash Creek, East:					
Above Barron Canal	.....	325	373	.....	.....
Ash Creek, West	.....	.....	373	.....	.....
Ash Creek, West, Canal—West Ash Creek	.....	455	538	.....	.....
Atkins-Polly Canal—Lodgepole Creek	.....	455	538	796	879
Auger Creek—Elba	.....	325	.....	.....	.....
B					
Bailey Pump—Shell Creek	.....	.....	538	.....	.....
Bald Drain	.....	326	373	701	745
Bales Pump—North Loup River	.....	.....	538	.....	.....
Banker Pump—Clear Creek	.....	.....	539	.....	.....
Bar 99 Canal—Bear Creek	.....	455	539	.....	.....
Barber Canal—Clear Creek	.....	455	540	796	879
Barrett Canal—Lodgepole Creek	.....	456	540	.....	.....

	Gaging Station	Measurements		Daily Discharge	
		1941	1942	1941	1942
Barron Canal, East—East Ash Creek	.....	456	540	.....	.....
Barron Canal, West—East Ash Creek	.....	.....	541	.....	.....
Bartlett Canal—White River	.....	.....	541	.....	.....
Basin Creek	.....	.....	373	.....	.....
Battle Creek	.....	326	.....	.....	.....
Bauersachs Canal—Hooker Creek	.....	.....	541	.....	.....
Bayard Sugar Factory Drain—Bayard	253	326	373	702	746
Bazille Creek	.....	326	374	.....	.....
Beal Canal—South Platte River	.....	456	.....	.....	.....
Bean Creek—Elyria	.....	.....	374	.....	.....
Bear Creek—Eli	.....	327	375	.....	.....
Bear Creek—Merriman	.....	326	374	.....	.....
Beaver Creek:					
Albion	.....	327	376	.....	.....
Beaver City	254	327	375	702	746
Beaver Crossing	.....	.....	376	.....	.....
Genoa	254	328	376	703	747
Ravenna	.....	.....	375	.....	.....
Beeman Creek—Riverview	.....	.....	376	.....	.....
Beerline Canal—North Platte River	.....	456	541	797	879
Beiser Canal—Niobrara River	.....	.....	542	.....	.....
Bell Creek—Arlington	.....	.....	376	.....	.....
Bellmar Creek—Neligh	.....	.....	377	.....	.....
Belmont Canal—North Platte River	.....	456	542	797	880
Belmont Feeder—Cedar Creek	.....	457	542	798	880
Belmont Canal Spill—Pumpkinseed Creek	.....	457	543	798	.....
Bendix Canal—Sand Creek	.....	.....	543	.....	.....
Bennett Canal—Niobrara River	.....	457	543	.....	.....
Bennett Reservoir Canal—Lodgepole Creek	.....	.....	543	.....	.....
Bickel Canal—Lodgepole Creek	.....	457	543	799	881
Bigelow-Seymour Canal—Niobrara River	.....	458	544	.....	.....
Bingham Creek—Niobrara	.....	.....	377	.....	.....
Bird Cage-Quinn Canal—Pumpkinseed Creek	.....	458	544	799	.....
Birdwood Creek—Hershey	255	328	377	703	747
Birdwood Canal—Birdwood Creek	.....	458	544	799	881
Blackwood Creek—Culbertson	.....	.....	377	.....	.....
Bloody Run Creek—Hazard	.....	.....	377	.....	.....
Blue Creek—Lewellen	255	328	378	704	748
Blue Creek Canal—Blue Creek and Crescent Lake	.....	458	545	800	881
Blue River, Big:					
Barnston	256	329	378	704	748
Seward	.....	329	378	.....	.....

	Gaging Station	Measurements		Daily Discharge	
		1941	1942	1941	1942
West Fork—Beaver Crossing	.....	.....	378	.....	.....
Blue River, Little—Endicott	256	329	379	705	749
Bluhm Canal—Lodgepole Creek	.....	459	545	.....	.....
Boelus Power Canal—Middle Loup River	.....	459	546	800	882
Boggy Creek—Wickersham Dam	.....	329	379	.....	.....
Bogus Creek	.....	329	.....	.....	.....
Booth Canal, North—Lodgepole Creek	.....	459	546	.....	.....
Booth Canal, South—Lodgepole Creek	.....	460	546	.....	.....
Bordeaux Creek, Big:					
Chadron	.....	330	379	.....	.....
Below Thomas Canal	.....	330	379	.....	.....
Bordeaux Creek, Little—Below Hartzell Canal	.....	330	380	.....	.....
Bordwell Canal—Lodgepole Creek	.....	460	547	.....	.....
Borquist Canals—Lodgepole Creek	.....	460	547	.....	.....
Bourett Canal—Niobrara River	.....	.....	548	.....	.....
Bow Creek—Wynot	.....	330	380	.....	.....
Bow Valley Creek—Wynot	.....	330	380	.....	.....
Brady Canal—Lodgepole Creek	.....	461	548	.....	.....
Britton Pump—North Loup River	.....	.....	548	.....	.....
Broadhurst Canal—Little Cottonwood Creek	.....	.....	548	.....	.....
Brown Creek—Loup City	.....	330	380	.....	.....
Browns Creek Canal—North Platte River	.....	461	548	801	882
Brush Creek—Butte	.....	.....	380	.....	.....
Buffalo Creek:					
Elm Creek	.....	331	381	705	749
Haigler	257	330	380	706	750
Meadow Grove	.....	331	381	.....	.....
Bull Drain—Maxwell	.....	331	381	706	750
Bullock Canals—Lodgepole Creek	.....	461	549	.....	.....
Burgess Creek—Niobrara	.....	.....	381	.....	.....
Burton Creek	.....	331	.....	.....	.....
Bushnell Canal—Lodgepole Creek	.....	462	549	.....	.....
Butterfly Creek—Stanton	.....	331	381	.....	.....

C

Cache Creek—Ewing	.....	331	381	.....	.....
Caladonia Canal—Jim Creek	.....	.....	549	.....	.....
Calamus River:					
Burwell	257	332	382	707	751
Harrop	.....	331	382	.....	.....

	Gaging Station	Measurements		Daily Discharge	
		1941	1942	1941	1942
Cambridge Mill—Medicine Creek	.....	.....	550	.....	.....
Camp Clark Seep	.....	.....	382	.....	.....
Cartwright Pump—Ash Creek	.....	.....	550	.....	.....
Casteel Pump—Clear Creek	.....	.....	550	.....	.....
Castle Rock Canal—North Platte River	.....	462	550	801	883
Castle Rock Seep—Melbeta	.....	332	.....	707	.....
Castle Rock Canal Spill—McGrew	.....	462	550	802	.....
Cedar Branch Creek—Nevins	.....	332	382	.....	.....
Cedar Creek:					
Sec. 11-18-48 W.	.....	332	383	708	751
Sec. 3-32-56 W.	.....	.....	383	.....	.....
Burwell	.....	.....	382	.....	.....
Elba	.....	.....	383	.....	.....
Oakdale	.....	332	383	.....	.....
Sec. 35-33-56 W.	.....	.....	382	.....	.....
Sec. 10-32-56 W.	.....	332	.....	.....	.....
Cedar River:					
Cedar Rapids	.....	333	384	.....	.....
Ericson	.....	333	384	.....	.....
Fullerton	257	333	384	708	752
Spalding	.....	333	384	.....	.....
Center Creek—Franklin	.....	.....	384	.....	.....
Central Canal—North Platte River and Pathfinder Reservoir	.....	462	550	802	883
Central Canal Spill	.....	462	.....	805	.....
Chadron Creek:					
Sec. 12-32-49 W.	.....	333	384	.....	.....
Above Chadron Reservoir	.....	333	385	.....	.....
Below Chadron Reservoir	.....	333	385	.....	.....
Champion Canal—Frenchman River	.....	463	551	803	.....
Champion Mill	.....	.....	551	.....	.....
Chaulk Canal—Trunk Butte Creek	.....	.....	551	.....	.....
Chesbra Creek—Taylor	.....	.....	385	.....	.....
Chimney Creek—Meadville	.....	.....	385	.....	.....
Chimney Rock Canal—North Platte River and Pathfinder Reservoir	.....	463	552	804	883
Chimney Rock Canal Spill No. 1	.....	463	552	804	.....
Chimney Rock Canal Spill No. 2	.....	463	552	804	.....
Christensen Canals—Lodgepole Creek	.....	464	552	.....	.....
Circle Arrow Canal—Lodgepole Creek	.....	464	553	805	884
Clear Creek:					
Sec. 32-16-41 W.	.....	334	385	709	752

CLEAR CREEK—Continued	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
Ashland	.....	334	386	.....	.....
Litchfield	.....	334	386	.....	.....
Pibel Lake, Below	.....	334	386	.....	.....
Stanton	.....	.....	386	.....	.....
Westerville	.....	334	386	.....	.....
Clear Creek Canal—Clear Creek	.....	464	553	805	884
Clearwater Creek—Clearwater	.....	334	386	.....	.....
Cleveland Drain	.....	334	386	709	753
Cob Creek—Loup City	.....	335	386	.....	.....
Cody-Dillon Canal—North Platte River	.....	464	553	806	885
Coffee Canals—Hat Creek	.....	465	554	.....	.....
Coffee and Son Flood Canal—Hat Creek	.....	.....	555	.....	.....
Cold Water Canal—Cold Water Creek	.....	465	555	.....	.....
Cold Water Creek	.....	335	387	710	753
Cole Creek—Loup City	.....	335	387	.....	.....
Cole Project Dam No. 1—Bear Creek	.....	465	555	.....	.....
Coleman Creek—Norden	.....	.....	387	.....	.....
Columbus Power Canal—Loup River	.....	466	555	806	885
Connell Canal—Ash Creek	.....	.....	556	.....	.....
Cook Canals—Niobrara River	.....	466	556	.....	.....
Coon Creek	.....	.....	387	.....	.....
Cooper Canal—Squaw Creek	.....	.....	556	.....	.....
Cooper Canals—White Clay Creek	.....	.....	557	.....	.....
Cottonwood Creek:					
Callaway	.....	335	.....	.....	.....
Dunlap	.....	335	387	.....	.....
Naponee	.....	.....	388	.....	.....
Palmer	.....	335	388	.....	.....
Cottonwood Creek, Big	.....	335	388	.....	.....
Cottonwood Creek, Little:					
Bloomington	.....	.....	388	.....	.....
Whitney	.....	335	388	.....	.....
Council Creek	.....	336	388	.....	.....
Court House Rock Canal—Pumpkinseed Creek	.....	466	557	807	886
Cow Creek—Walthill	.....	.....	389	.....	.....
Cozad Canal—Platte River and Sutherland Reservoir	.....	467	557	807	886
Cozad Canal Spill into Dawson County Canal	.....	467	558	808	.....
Cozad Drain	.....	336	389	.....	.....
Crews Canals—North Fork Republican River	.....	468	558	808	.....
Crigler Canal—Lawrence Fork Creek	.....	468	559	.....	.....
Cripps Canal—Ash Creek	.....	.....	559	.....	.....
Cripps Pump—Cripps Reservoir	.....	.....	559	.....	.....

	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
Crooked Creek:					
Red Cloud	.....	.....	389	.....	.....
Spencer	.....	.....	389	.....	.....
Cross Creek	.....	.....	389	.....	.....
Cub Creek—Meadville	.....	.....	389	.....	.....
Culbertson Canal—Frenchman River and Stinking Water Creek	.....	468	559	809	887
Cuming Creek—Scribner	.....	336	389	.....	.....
D					
Dane Creek—Ord	.....	336	389	.....	.....
Davis Creek—Cotesfield	.....	336	.....	.....	.....
Dawson County Canal—Platte River and Sutherland Reservoir	.....	468	560	809	888
Dawson County Canal from Cozad Canal Tail Spill	.....	.....	.....	.....	888
Dawson County Drain—Darr	.....	336	389	710	754
Dawson County Canal Spill into Elm Creek	.....	469	561	810	.....
Dawson County Canal Spill into French Creek	.....	469	560	810	.....
Dawson County Canal Spill into Strever Creek	.....	469	.....	.....	.....
Dead Horse Creek	.....	336	390	.....	.....
Dean Pump—Clear Creek	.....	.....	561	.....	.....
Deer Creek:					
Boelus	.....	337	390	.....	.....
Maskell	.....	.....	390	.....	.....
Meadow Grove	.....	337	390	.....	.....
DeGraw Drain	.....	337	390	711	754
Delaware-Hickman Canal—Republican River	.....	469	561	811	.....
Dickinson Canal—Lodgepole Creek	.....	470	561	.....	.....
Dietrich Pump—Mud ((Beaver) Creek	.....	.....	562	.....	.....
Dismal River—Dunning	.....	337	390	.....	.....
Dodd-McDowell Reservoir Supply Canal—Little Cottonwood Creek	.....	.....	562	.....	.....
Dorsett-Duke-Amsberry Pump—Mud (Beaver) Creek	.....	.....	562	.....	.....
Dout Canal No. 1—Dout Reservoir	.....	.....	562	.....	.....
Dout Brothers Canal—Jim Creek	.....	470	562	.....	.....
Driftwood Creek—McCook	.....	.....	391	.....	.....
Dringman Drain	.....	337	391	.....	.....
Drobny Pump	.....	.....	563	.....	.....
Dry Creek:					
Cairo	.....	.....	392	.....	.....
Merriman	.....	337	391	.....	.....
Meadow Grove	.....	337	392	.....	.....

DRY CREEK—Continued	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
Naper	.....	.....	391	.....	.....
O'Neill	.....	.....	392	.....	.....
Ravenna	.....	.....	392	.....	.....
Riverview	.....	.....	391	.....	.....
Dugout Creek, Lower	.....	338	392	.....	.....
Dugout Creek, Upper	.....	338	392	711	755
Dunn Canal—Little Cottonwood	.....	.....	563	.....	.....

E

Eagle Creek—Paddock	.....	.....	393	.....	.....
Earnest Canals—Niobrara River	.....	470	563	.....	.....
Elk Creek—Palmer	.....	.....	393	.....	.....
Elkhorn River:					
Ewing	.....	338	393	.....	.....
Hadar	.....	338	393	.....	.....
Neligh	258	338	393	712	755
Norfolk	.....	339	393	.....	.....
O'Neill	.....	338	.....	.....	.....
Waterloo	258	339	394	712	756
West Point	.....	339	393	.....	.....
Elm Creek:					
Amboy	.....	.....	394	.....	.....
Elm Creek	.....	339	394	713	756
Ord	.....	339	394	.....	.....
Elm Creek Canal—Platte River and Sutherland Reservoir	.....	470	564	811	889
Elm Creek Canal Spill into Elm Creek	.....	471	.....	.....	.....
Empire Canal—North Platte River	.....	471	564	812	889
Engleman and Lewis Pump—Mud (Beaver) Creek	.....	.....	564	.....	.....
Enterprise Canal—North Platte River	.....	471	565	812	889
Enterprise Canal—Morrill Drain	.....	472	565	.....	.....
Enterprise Canal—Stewart Drain	.....	472	566	.....	.....
Enterprise Canal—Stewart and Morrill Drains	.....	.....	.....	813	890
Enterprise Canal—Dry Spotted Tail Creek	.....	.....	566	.....	.....
Enterprise Canal—Wet Spotted Tail Creek	.....	472	566	813	890
Enterprise Canal—Tub Springs	.....	.....	.....	813	891
Enterprise Canal—Winters Creek	.....	473	567	813	891
Enterprise Canal Spill to Tub Springs	.....	.....	.....	814	.....
Enterprise Canal Spill to Winters Creek	.....	473	567	814	.....
Eureka Creek—Naponee	.....	.....	395	.....	.....
Excelsior Canal—Niobrara River	.....	473	567	.....	.....

F	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
Fairfield Seep	.....	339	395	713	757
Fanning Seep	.....	340	395	714	757
Farmers Canal—Frenchman River	.....	474	567	815	.....
Farmers Creek—Inavale	.....	.....	395	.....	.....
Fish Creek—Cotesfield	.....	.....	395	.....	.....
Fisher Creek—West Point	.....	.....	395	.....	.....
Fisher Estate Pump—Mud (Beaver) Creek	.....	.....	568	.....	.....
Flag Creek—Orleans	.....	.....	395	.....	.....
Follett-Krotter Canal—Frenchman River	.....	474	568	815	.....
Forbes Canal No. 1—Spring Creek	.....	.....	568	.....	.....
Fort Laramie Canal—North Platte River, Pathfinder, and Guernsey Reservoirs	.....	.....	.....	816	892
Freeman Creek—Spalding	.....	.....	396	.....	.....
Fremont Slough—North Platte	.....	340	396	.....	.....
Frenchman River:					
Above Champion	.....	.....	397	.....	.....
Below Champion	259	341	397	714	758
Above Champion Canal Diversion Dam	.....	340	397	.....	.....
Below Champion Canal Diversion Dam	.....	340	397	.....	.....
Culbertson	260	341	400	716	759
Grosbach—Williams Plant	.....	.....	398	.....	.....
Hamlet	260	341	399	715	759
Harvey Dam Site	259	341	.....	715	758
Hoke Power Plant	.....	.....	397	.....	.....
Imperial	.....	.....	398	.....	.....
Above Inman Canal	.....	.....	396	.....	.....
Below Inman Canal	.....	340	.....	.....	.....
Krotter Dam	.....	.....	399	.....	.....
Above Maranville Reservoir	.....	340	396	.....	.....
Below Maranville Reservoir	.....	340	396	.....	.....
Oliver Brothers Dam	.....	.....	399	.....	.....
Palisade	.....	.....	399	.....	.....
Wauneta	.....	.....	399	.....	.....
Furman Canals—Niobrara River	.....	474	568	.....	.....
G					
Gallup Canal—Chadron Creek	.....	475	569	.....	.....
Gatch Canal—Melbeta Drain	.....	.....	.....	816	.....
Gering Canal—Melbeta Drain	.....	475	569	.....	.....
Gering Canal—North Platte River and Pathfinder Reservoir	.....	475	569	816	892
Gering-Ft. Laramie Canal—North Platte Power, Pathfinder and Guernsey Reservoirs	.....	.....	.....	816	892

	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
Gering Drain—Gering	261	342	400	716	760
Giles Creek—Tilden	.....	342	400	.....	.....
Glass Pump—Mud (Beaver) Creek	.....	.....	570	.....	.....
Gochnauer Canal—Big Bordeaux Creek	.....	.....	570	.....	.....
Gordon Creek:					
Kennedy	.....	.....	400	.....	.....
Valentine	.....	342	401	.....	.....
Gothenburg Diversion Canal—Platte River	.....	475	570	817	893
Gothenburg Irrigation Canal—Platte River and Sutherland Reservoir	.....	476	570	817	893
Gothenburg Power Return	.....	477	571	818	894
Gothenburg Spill into Buffalo Creek	.....	477	571	818	.....
Government Spring—Ft. Robinson	.....	.....	401	.....	.....
Graf Canal—Blue Creek and Crescent Lake	.....	477	572	819	895
Gravel Creek—Sec. 9-14-36 W	.....	342	401	.....	.....
Greenwood Creek	.....	342	401	.....	.....
Grimms Pump—Frenchman River	.....	.....	.....	820	.....
Grote Canal—Grote Reservoir	.....	.....	572	.....	.....
Gruver Pump—Frenchman River	.....	.....	.....	820	.....
Guernsey Reservoir (Storage 659, 674)					
Gunderson Canal—Lodgepole Creek	.....	478	572	.....	.....
H					
Hackberry Creek:					
Clearwater	.....	.....	401	.....	.....
Spalding	.....	342	.....	.....	.....
Hadar Creek—Hadar	.....	.....	401	.....	.....
Hageman Canal—White River	.....	.....	573	.....	.....
Haigler Canal—Republican River	.....	.....	573	820	.....
Hall Canal—White River	.....	478	573	.....	.....
Hall Pump—Mud (Beaver) Creek	.....	.....	573	.....	.....
Haller Pump—Mud (Beaver) Creek	.....	.....	574	.....	.....
Halloway-Phelps Canal—White Tail Creek	.....	478	574	.....	.....
Handel Pump—Frenchman River	.....	.....	.....	821	.....
Hannah Canal—North Platte River	.....	478	.....	.....	.....
Harper Canal—Clear Creek	.....	479	574	821	.....
Harris-Cooper Canal—White River	.....	479	574	.....	.....
Harris-Neece Canal—Niobrara River	.....	479	575	.....	.....
Hartzell Canal—Little Bordeaux Creek	.....	479	575	.....	.....
Haskell Creek:					
Ord	.....	343	402	.....	.....
Above Burwell-Sumter Canal	.....	343	.....	.....	.....

	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
Hat Creek	.....	343	402	.....	.....
Hat Creek Canal, West—Hat Creek	.....	479	575	.....	.....
Hawthorne Creek—Arcadia	.....	.....	402	.....	.....
Hays Creek—Arcadia	.....	.....	402	.....	.....
Heapy Pump—Clear Creek	.....	.....	575	.....	.....
Heard Canals—Pumpkinseed Creek	.....	.....	576	.....	.....
Hershey Drain	.....	343	402	.....	.....
High Line Canal—Jim Creek	.....	479	576	.....	.....
Highway Drain	.....	343	.....	.....	.....
Hitshew Canal—Niobrara River	.....	480	576	.....	.....
Hoffmeister Pump—Frenchman River	.....	.....	.....	821	.....
Hoffmeister Reservoir Canal—Hoffmeister Reservoir	.....	.....	577	.....	.....
Holcombe Canal—Pawnee Creek	.....	480	577	821	.....
Hole Creek—Emmet	.....	.....	402	.....	.....
Hollingsworth Canal—South Platte River	.....	480	577	822	.....
Hooper Canal—Blue Creek and Crescent Lake	.....	480	577	822	895
Hoover Canal—Lodgepole Creek	.....	481	578	.....	.....
Hopeful Canal—Lawrence Fork	.....	.....	578	.....	.....
Horse Creek:					
Fullerton	.....	.....	403	.....	.....
Lyman	261	343	403	717	760
Sec. 33-14-7 W.	.....	344	.....	.....	.....
Pringles Ranch	.....	.....	403	.....	.....
Horsehead Creek	.....	.....	403	.....	.....
Howard Canal—Lodgepole Creek	.....	481	578	.....	.....
Howe Creek—Center	.....	.....	403	.....	.....
Hughes Canal—Niobrara River	.....	481	579	.....	.....
Hughes Pump—Shell Creek	.....	.....	579	.....	.....
Humbug Creek—Pilger	.....	344	403	.....	.....
Hurley-Lilly-Polly Canal—Lodgepole Creek	.....	481	579	823	895
I					
Independent Canal—Lodgepole Creek	.....	482	579	.....	.....
Indian Creek:					
Northport Wye	.....	344	404	717	761
Max	.....	.....	404	.....	.....
Red Cloud	.....	.....	404	.....	.....
Whitney	.....	344	404	.....	.....
Inman Canal—Frenchman River	.....	482	580	823	.....
Interstate Canal—North Platte River, Pathfinder and Guernsey Reservoirs	.....	.....	.....	824	895
Ives Creek—Tilden	.....	.....	405	.....	.....

J	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
James Canal—Soldier Creek	.....	.....	580	.....	.....
Janssen Canal—Pawnee Creek	.....	482	.....	.....	.....
Jenkins Canal—Buffalo Creek	.....	482	580	824	.....
Jim Creek	.....	344	405	.....	.....
Johnson Canal—Lodgepole Creek	.....	482	581	.....	.....
Johnson Canal—Niobrara River	.....	482	580	.....	.....
Jones Canal—Lodgepole Creek	.....	483	581	.....	.....
Jones Canal—White River	.....	.....	581	.....	.....
Jordon Canal—Monroe Creek	.....	.....	581	.....	.....
Jordon Canal—Monroe Creek and Jordon Reservoir	.....	.....	582	.....	.....
Jungles Pump—Beaver Creek	.....	.....	582	.....	.....
K					
Katy Creek—Cushing	.....	.....	405	.....	.....
Kearney Canal—Platte River, Buffalo and Elm Creeks, and Sutherland Reservoir	.....	483	582	825	896
Kearney Power Return to Platte River	.....	484	583	825	896
Keegan Creek—Stuart	.....	.....	405	.....	.....
Keith-Lincoln County Canal—North Platte River	.....	484	583	826	897
Keith-Lincoln County Drain	.....	.....	405	.....	.....
Keith-Lincoln County Canal Spill	.....	484	584	827	.....
Kelso Canal—Big Bordeaux Creek	.....	485	584	.....	.....
Kennedy Pump—White River	.....	.....	585	.....	.....
Kent-Burke Canal—Pawnee Creek	.....	485	585	828	.....
Keya Paha River—Naper	.....	.....	405	.....	.....
Keystone Canal—White Tail Creek	.....	485	585	828	.....
Kilpatrick Reservoir Canal—Kilpatrick Reservoir	.....	.....	585	.....	.....
Kimball Canals—Lodgepole Creek and Oliver Reservoir	.....	486	586	828	898
Kimball Canal Spill—Lodgepole Creek	.....	.....	586	.....	.....
King Canals—Lawrence Fork	.....	486	586	.....	.....
Kingsley Dam Seepage	.....	.....	406	.....	.....
Kingsley Reservoir (Storage 830, 899)					
Kinney Canals—Lodgepole Creek	.....	486	587	829	899
Kite Canal—Monroe Creek	.....	.....	587	.....	.....
Klausen Pump—Middle Loup River	.....	.....	588	.....	.....
Knapp Pump—Middle Loup River	.....	.....	588	.....	.....
Krebs Canal—Middle Loup River	.....	.....	588	.....	.....
Krivohlavek Pump—Middle Loup River	.....	.....	588	.....	.....
Krotter Power Canal—Frenchman River	.....	.....	588	.....	.....
Krueger Canals—Lodgepole Creek	.....	487	589	.....	.....
Kusel Canal No. 2—Spring Creek	.....	.....	590	.....	.....
Kusel-Spearman Canal—Little Cottonwood Creek	.....	.....	590	.....	.....

L	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
LaBelle Canal—Niobrara River	.....	488	590	.....	.....
Laing Canal—Lawrence Fork	.....	488	590	.....	.....
Lakin Pump—North Loup River	.....	.....	590	.....	.....
Lakotah Canal—Niobrara River	.....	488	591	.....	.....
LaMar Rolling Mills—Frenchman River	.....	.....	591	.....	.....
Lamore Canal—North Platte River	.....	.....	.....	830	.....
Lane Drain	.....	344	407	718	.....
Lang Pumps—Mud (Beaver) Creek	.....	.....	591	.....	.....
Larabee Creek	.....	345	407	.....	.....
Last Chance Canal—Pumpkinseed Creek	.....	488	591	830	901
Laughing Water Creek	.....	.....	407	.....	.....
Lawrence Fork	.....	345	407	.....	.....
Leininger Pump—Middle Loup River	.....	.....	592	.....	.....
Leisey Creek	.....	345	.....	.....	.....
Lemburg Pump—Middle Loup River	.....	.....	592	.....	.....
Leui Pump—Wagner Creek	.....	.....	592	.....	.....
Lewellen Drain	.....	.....	408	.....	.....
Libby Canal—Lodgepole Creek	.....	489	592	.....	.....
Lichte Canal—Niobrara River	.....	489	592	.....	.....
Lillian Creek—Walworth	.....	345	.....	.....	.....
Lime Creek—Maskell	.....	.....	408	.....	.....
Lincoln County Drain No. 1	.....	345	408	718	761
Lincoln County Drain No. 2	.....	345	408	719	762
Lincoln Creek—Staplehurst	.....	.....	409	.....	.....
Lisco Canal—Cold Water Creek	.....	.....	.....	832	902
Lisco Canal—North Platte River	.....	489	593	832	901
Little Red Creek—Above Zerbst Canal	.....	345	.....	.....	.....
Lodgepole Creek:					
Above Bennett Reservoir	.....	346	410	.....	.....
Below Bennett Reservoir	.....	.....	410	.....	.....
Bushnell	261	.....	.....	719	762
Chappell	.....	347	411	.....	.....
Dix	.....	346	410	.....	.....
Kimball	.....	346	409	.....	.....
Above Krueger Canal	.....	347	410	.....	.....
Below Kruegers Lake	.....	347	411	.....	.....
Lodgepole	.....	347	411	.....	.....
Above Oliver Reservoir	.....	346	409	.....	.....
Below Oliver Reservoir	.....	346	409	720	763
Potter	.....	346	410	.....	.....
Ralton	.....	347	412	.....	.....
Rock Pile—Sec. 33-14-48 W	.....	347	411	.....	.....

LODGEPOLE CREEK—Continued	Gaging Station	Measurements		Daily Discharge	
		1941	1942	1941	1942
Sidney	.....	347	410	.....	.....
Sunol	.....	347	411	.....	.....
Wyoming-Nebraska Line	.....	346	409	.....	.....
Logan Canal—North Platte River	.....	.....	593	.....	.....
Logan Canal—Pumpkinseed Creek	.....	489	593	.....	.....
Logan Creek:					
Uehling	262	348	412	720	763
Winslow	.....	.....	412	.....	.....
Lonergan Creek—Lemoyne	.....	348	412	721	764
Lonergan Canal—Lonergan Creek	.....	.....	.....	833	.....
Long Pine Creek—Riverview	.....	.....	413	.....	.....
Looking Glass Creek:					
Genoa	.....	.....	413	.....	.....
Cut-off	.....	.....	413	.....	.....
Lost Creek:					
Fort Robinson Dam	.....	.....	413	.....	.....
Sec. 1-16-44	.....	.....	413	721	.....
Sec. 13-34-16	.....	.....	413	.....	.....
Santee	.....	.....	413	.....	.....
Loup River—Columbus	262	348	414	722	764
Loup River, Middle:					
Arcadia	263	349	415	723	765
Boelus	264	349	415	.....	766
Dunning	.....	349	414	.....	.....
St. Paul	264	350	416	723	766
Walworth	263	349	414	722	765
Loup River, North:					
Sec. 20-28-35 W.	.....	350	.....	.....	.....
Brewster	.....	350	.....	.....	.....
Scotia	265	351	417	724	767
St. Paul	266	351	417	725	768
Taylor	265	350	416	724	767
Loup River, South:					
Callaway	.....	351	417	.....	.....
Ravenna	266	352	418	725	768
Louse Creek—Redbird	.....	.....	418	.....	.....
Lovely Creek—Franklin	.....	.....	418	.....	.....
Lowery Pump—Clear Creek	.....	.....	593	.....	.....
Luck Creek—Riverview	.....	.....	418	.....	.....
Lundy Power Canal—Middle Loup River	.....	490	594	.....	.....
Luth Pump—Mud (Beaver) Creek	.....	.....	594	.....	.....
Luther Pump—Mud (Beaver) Creek	.....	.....	594	.....	.....

	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
Lyngholm Canal—Lodgepole Creek	.....	490	594	.....	.....
Lyons Canal—North Platte River	.....	490	594	834	902
M					
McAuliffe Canal—Lodgepole Creek	.....	490	595	.....	.....
McCarthy Canal—White Tail Creek	.....	491	595	834	903
McClain Canal—Stinking Water Creek	.....	.....	.....	835	.....
McDonald Canal—Republican River	.....	491	595	.....	.....
McDowell Storage System—English Creek	.....	.....	596	.....	.....
McFarland Canal—White Clay Creek	.....	.....	596	.....	.....
McGill Creek—Norden	.....	.....	418	.....	.....
McGinley-Stover Canals—Niobrara	.....	491	596	.....	.....
McGraw Canal—Victoria Creek	.....	491	.....	.....	.....
McGuires Slough	.....	352	.....	.....	.....
McIntosh Canal—Lodgepole Creek	.....	492	597	834	903
McLaughlin Canal—Lodgepole Creek	.....	492	598	.....	.....
McLaughlin Canal—Niobrara River	.....	492	597	.....	.....
McMillan Canal—Middle Loup River	.....	492	598	.....	.....
McOstrich Pump—North Loup River	.....	.....	598	.....	.....
Mace Canal—West Ash Creek	.....	.....	598	.....	.....
Maple Creek—Nickerson	.....	352	418	.....	.....
Maranville Canal—Frenchman River	.....	492	598	835	.....
Martens Pump—Big Bordeaux Creek	.....	493	599	.....	.....
Mastny Pump—Shell Creek	.....	.....	599	.....	.....
Medicine Creek:					
Cambridge	267	352	419	726	769
Maywood	.....	.....	418	.....	.....
Meeker Canal—Republican River	.....	493	599	836	903
Meglemre Canal—Greenwood Creek	.....	493	599	.....	.....
Melbeta Drain	.....	353	419	726	769
Meredith-Ammer Canal—Pumpkinseed Creek	.....	493	600	836	904
Meridian Canal—Niobrara River	.....	494	600	.....	.....
Meskenthine Creek—Stanton	.....	.....	419	.....	.....
Messenger Creek—Sumter	.....	353	419	.....	.....
Methodist Creek—Republican City	.....	.....	419	.....	.....
Mettlen Canal—Niobrara River	.....	494	600	.....	.....
Middle Creek:					
Bostwick	.....	.....	420	.....	.....
Lincoln	.....	353	.....	.....	.....
Norden	.....	.....	420	.....	.....

	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
Middle Loup Public Power & Irrigation District:					
Canal No. 1—Middle Loup River	.....	494	601	836	904
Canal No. 2—Middle Loup River	.....	495	601	837	904
Canal No. 3—Middle Loup River	.....	495	602	837	904
Canal No. 4—Middle Loup River	.....	496	602	838	905
Spill from Canal No. 1	.....	497	603	.....	.....
Spill from Canal No. 2	.....	.....	603	.....	.....
Spill from Canal No. 3	.....	.....	603	.....	.....
Spill from Canal No. 4	.....	.....	603	.....	.....
Midland-Overland Canal—North Platte River	.....	497	603	839	906
Minatare Canal—North Platte River	.....	497	604	839	906
Minatare Canal Spill near McGrew	.....	497	604	839	.....
Minnechaduza Creek—Valentine	.....	353	420	.....	.....
Mira Creek—North Loup	.....	353	420	.....	.....
Mitchell Canal—Lodgepole Creek	.....	499	.....	.....	.....
Mitchell Canal—North Platte River	.....	498	604	840	907
Mitchell Factory Canal—Dry Spotted Tail	.....	498	605	.....	.....
Mitchell Factory Canal Spill	.....	498	605	.....	.....
Moffatt Drain	.....	.....	420	.....	.....
Monroe Canal, Big—Monroe Creek	.....	499	605	.....	.....
Monroe Creek	.....	353	420	.....	.....
Montague Canal—Niobrara River	.....	499	605	.....	.....
Montgomery Canal—Sow Belly Creek	.....	499	.....	.....	.....
Moody Pump—Mud (Beaver) Creek	.....	.....	606	.....	.....
Moon Creek—Loup City	.....	353	421	.....	.....
Moore Canal—Niobrara River	.....	499	606	.....	.....
Morris Pump—Morris Reservoir	.....	.....	606	.....	.....
Morse Creek—Naper	.....	.....	421	.....	.....
Mortensen Pump—Mud (Beaver) Creek	.....	.....	606	.....	.....
Mortensen Pump—North Loup River	.....	.....	606	.....	.....
Mozeter Canal—Spring Creek	.....	.....	607	.....	.....
Muddy Creek:					
Ansley	.....	354	421	.....	.....
Arapahoe	.....	.....	421	.....	.....
Berwyn	.....	354	.....	.....	.....
Hazard	.....	354	421	.....	.....
Muleshoe Creek—Norden	.....	.....	421	.....	.....
Munson Creek—Elba	.....	354	421	.....	.....
Mutual Canal—Pumpkinseed Creek	.....	500	607	841	907
Myers Canal—Victoria Creek	.....	500	.....	.....	.....
N					
Naab Pump—North Loup River	.....	.....	607	.....	.....

	Gaging Station	Measurements		Daily Discharge	
		1941	1942	1941	1942
Naslund Canal—Lodgepole Creek	.....	500	607	.....	.....
Neill Pump—White River	.....	.....	607	.....	.....
Nelsen Pump—Mud (Beaver) Creek	.....	.....	608	.....	.....
Nelson Canal—Greenwood Creek	.....	500	608	.....	.....
Nelson (Charles) Pump—Mud (Beaver) Creek	.....	.....	608	.....	.....
Neuman Canals—Lodgepole Creek	.....	500	608	.....	.....
Newton Canal—North Loup River	.....	501	609	841	.....
Niehus Canal—Lawrence Fork	.....	501	609	.....	.....
Nine Mile Canal—North Platte River	.....	501	609	842	907
Nine Mile Drain—Minatare	267	354	422	727	770
Niobrara River:					
Agate	.....	355	422	.....	.....
Box Butte Dam Gaging Station	.....	.....	.....	.....	770
Butte	.....	.....	424	.....	.....
Dunlap	267	355	423	727	771
Gordon	.....	355	423	.....	.....
Harrison	.....	354	422	.....	.....
Marsland	.....	355	423	.....	.....
Spencer	268	.....	424	728	771
Valentine	.....	355	424	.....	.....
Below Mouth of Whistle Creek	.....	355	423	.....	.....
Wyoming-Nebraska State Line	.....	354	422	.....	.....
Nissen Canal—Sand Creek	.....	.....	.....	842	.....
Norman Canal—Indian Creek	.....	.....	610	.....	.....
Norman-Barron Canal—East Ash Creek	.....	502	610	.....	.....
North Loup River Public Power and Irrigation District:					
Burwell-Sumter Canal—North Loup River	.....	502	610	843	908
Ord-North Loup Canal—North Loup River	.....	503	611	843	909
Taylor-Ord Canal—North Loup River	.....	502	611	842	908
Spill from Burwell-Sumter Canal	.....	504	612	844	909
Spill from Ord-North Loup Canal	.....	504	612	844	909
Spill from Taylor-Ord Canal	.....	504	612	844	909
North Platte Canal—North Platte River	.....	505	612	844	910
North Platte Canal Spill—Cook Spillway	.....	505	613	845	.....
North Platte Canal Spill—North Platte	.....	506	613	.....	.....
North Platte Canal Spill—Scout Creek	.....	506	613	845	.....
North Platte River—SEE Platte Rivers					
Northport Canal—North Platte River and Pathfinder Reservoir	.....	.....	.....	846	911
North River Canal—North Platte River	.....	.....	.....	846	.....
Nutzman Pump—Stinking Water Creek	.....	.....	.....	847	.....

O	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
Oak Creek:					
Dannebrog		356	424		
Mariaville			424		
West Lincoln		356	424		
Oberfelder Canal:					
Lodgepole Creek		506	614		
Spring Creek		506			
Obermiller Pump—Middle Loup River			614		
O'Donnell Canal—Big Bordeaux Creek		507	614		
Oliver Pump—Frenchman River				847	
Oliver Brothers Pump—Frenchman River				847	
Oliver Reservoir—Lodgepole Creek (Storage 848, 912)					
Omaha Creek—Homer			424		
O'Neill Valley Creek—Albion			425		
Orchard-Alfalfa Canal—Platte River		507	614	848	912
Oshkosh Canal—North Platte River		507	615	849	
Otter Creek:					
Lemoyne		356	425	728	772
Lewellen			425		
Otter Creek Canal—Otter Creek			615	849	
Owasco Canal—Lodgepole Creek		508	615	849	913
Owasco Canal (Bay State Lateral)—Lodgepole Creek		508	616	850	913
Ox Yoke Canal—Ash Creek		508	616		
P					
Paisley Canal—Blue Creek and Crescent Lake		508	616	851	914
Parks Canal—Republican River		509	617	851	
Pathfinder Reservoir (Storage 657, 671)					
Patrick Canal—Sand Creek				852	
Pawnee Creek		356	425	729	772
Paxton-Hershey Canal—North Platte River		509	617	852	914
Paxton-Hershey Canal Spill		509	618	853	
Pebble Creek—Scribner		356	425		
Pemberton Pump—North Loup River			618		
Perrin Creek—Laurel			425		
Perry Pump—Mud (Beaver) Creek			618		
Persinger Canal—Lodgepole Creek		510	618		
Peter Canal—Pumpkinseed Creek		510	618		
Phelps County Canal—Platte River		510	619		
Pigeon Creek—Homer			426		
Pine Creek—Colclesser Mill		357	426		
Pioneer Canals—Niobrara River		511	619		
Pishel Creek—Pishelville			426		

	Gaging Station	Measurements		Daily Discharge	
Platte Rivers:		1941	1942	1941	1942
Platte River, North:					
Seminoe Reservoir (Storage 657, 671)					
Pathfinder Reservoir (Storage 657, 671)	235	.....	.....	.....	.....
Alcova Reservoir (Storage 658, 673)	235	.....	.....	.....	.....
Outflow of Alcova Reservoir (658, 673)					
Inflow of Guernsey Reservoir (659, 674)					
Guernsey Reservoir (Storage 659, 674)	236	.....	.....	.....	.....
Outflow of Guernsey Reservoir (660, 675)					
Below Whalen	236	.....	.....	.....	.....
Wyoming-Nebraska Line	237	.....	.....	660	675
Henry	237	277	301	.....	.....
Below Gering Spillway	.....	278	302	.....	.....
Below Tri-State Diversion Dam	.....	278	302	.....	.....
Below Tri-State Control and Spillway	.....	278	302	.....	.....
Mitchell	237	279	302	661	676
Minatare	238	279	303	661	676
Minatare—Nine Mile Channel	239	280	304	.....	.....
Bridgeport	239	281	304	662	677
Lisco	240	283	306	662	677
Oshkosh	241	284	307	663	678
Lewellen	242	285	309	663	678
Keystone	242	287	311	664	679
Kingsley Reservoir (Storage 830, 899)					
Sutherland	243	287	311	664	679
North Platte	244	288	312	665	680
Platte River, South:					
Julesburg	244	289	313	665	680
Paxton	246	291	314	666	681
North Platte	246	292	315	666	681
Platte River:					
Brady	247	293	316	667	682
Cozad	248	295	319	667	682
Overton	249	297	321	668	683
Below Strever Creek	.....	298	.....	.....	.....
Odessa	250	298	322	668	683
Grand Island	251	298	322	669	684
Duncan	251	299	323	669	684
Ashland	252	299	324	670	685
Pleasant Run Creek—Stanton	.....	.....	426	.....	.....
Plum Creek:					
Sec. 10-19-49 W.	.....	357	426	729	.....
Sec. 11-8-21 W.	.....	.....	426	.....	.....
Beemer	.....	357	427	.....	.....

PLUM CREEK—Continued	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
Fullerton	.....	357	426	.....	.....
Meadville	.....	.....	426	.....	.....
Seward	.....	.....	426	.....	.....
Plunkett Reservoir Canal—Prairie Dog Creek	.....	.....	620	.....	.....
Ponca Creek—Verdel	.....	.....	427	.....	.....
Potmesil Canal—Niobrara River	.....	511	620	.....	.....
Prairie Creek:					
Grand Island	.....	.....	427	.....	.....
Silver Creek	.....	357	.....	.....	.....
Prairie Dog Creek:					
Sec 32-1-18	.....	.....	427	.....	.....
Sec. 35-33-56	.....	357	427	.....	.....
Sec. 17-33-55	.....	.....	427	.....	.....
Premier Canal—Lodgepole Creek	.....	511	621	.....	.....
Pringle Canal—Horse Creek	.....	.....	621	.....	.....
Prosser Creek—Riverview	.....	.....	427	.....	.....
Pumpkinseed Creek:					
Bridgeport	268	357	428	730	773
Gering-Kimball Highway	.....	357	427	.....	.....
Above Heard Canal	.....	.....	428	.....	.....
Below Mutual Canal	.....	357	.....	.....	.....
North of Redington	.....	.....	428	.....	.....
Sec. 2-19-55	.....	.....	427	.....	.....
Sec. 12-19-50	.....	358	428	.....	.....
R					
Radcliffe Canal—Cedar Creek	.....	.....	621	.....	.....
Ralton Canal—Lodgepole Creek	.....	512	621	.....	.....
Ramshorn Canal—North Platte River	.....	512	621	853	915
Randall Canal—Lawrence Fork	.....	512	622	.....	.....
Rankin Canal—Middle Loup River	.....	512	622	.....	.....
Rasher Canal—White River	.....	512	622	.....	.....
Rasher-Forbes Canal—White River	.....	.....	622	.....	.....
Rawhide Creek and Cut-off	.....	.....	429	.....	.....
Red Creek, Little	.....	.....	429	.....	.....
Redbird Creek—Redbird	.....	.....	429	.....	.....
Red Willow Creek:					
Bayard	269	358	429	730	773
North of McCook	269	358	430	731	774
Red Willow	270	359	430	731	774
Republican River:					
Bloomington	272	360	433	734	777
Colorado-Nebraska Line	270	359	431	732	775

REPUBLICAN RIVER—Continued	Gaging Station	Measurements		Daily Discharge	
		1941	1942	1941	1942
Culbertson	272	360	433	733	776
Hardy	273	361	434	734	777
Max	271	360	432	733	776
McCook	.....	.....	433	.....	.....
North Fork—Benkelman	.....	.....	431	.....	.....
South Fork—Benkelman	270	359	431	732	775
Rickman Creek—Riverview	.....	.....	434	.....	.....
Riverside Canal—Frenchman River	.....	513	623	854	.....
Riverside Canal—Republican River	.....	.....	623	.....	.....
Rock Creek:					
Beemer	.....	361	435	.....	.....
Greenwood	.....	361	435	.....	.....
Mariaville	.....	.....	435	.....	.....
Meadville	.....	.....	435	.....	.....
Palmer	.....	.....	435	.....	.....
Parks	274	361	435	735	778
Rockville	.....	.....	435	.....	.....
Rogers Pump—Elm Creek	.....	.....	623	.....	.....
Rope Creek—Alma	.....	.....	436	.....	.....
Round House Rock Canal—Pumpkinseed Creek	.....	513	623	854	.....
Runge Canal—Lodgepole Creek	.....	513	624	.....	.....
Rush Creek Canal—North Platte River	.....	513	.....	855	.....
Ruttner Canals—Lodgepole Creek	.....	513	624	855	915
S					
Saint Clair Creek—Oakdale	.....	.....	436	.....	.....
Salt Creek—Ashland	.....	361	436	.....	.....
Sand Creek:					
Sec. 33-33-53 W.	.....	.....	436	.....	.....
Sec. 10-15-40 W.	.....	362	436	735	778
Callaway	.....	362	.....	.....	.....
Sandy Creek, Big—Butte	.....	.....	437	.....	.....
Sandy Creek, Little—Butte	.....	.....	437	.....	.....
Sappa Creek—Beaver City	274	362	437	736	779
Sarben Slough	.....	362	437	736	779
Schaefer Reservoir Supply Canal—Sow Belly Creek	.....	.....	624	.....	.....
Schilt-Cedar Creek Canal—Cedar Creek	.....	514	625	.....	.....
Schilt-Monroe Canal—Monroe Creek	.....	514	625	.....	.....
Schilt-Prairie Dog Canal—Prairie Dog Creek	.....	514	625	.....	.....
Schindler Creek—Pischelville	.....	.....	438	.....	.....
Schlagel Creek	.....	362	.....	.....	.....
Schulz Pump—Mud (Beaver) Creek	.....	.....	625	.....	.....
Scott Canal—Pumpkinseed Creek	.....	514	626	.....	.....

	Gaging Station	Measurements		Daily Discharge	
		1941	1942	1941	1942
Scottsbluff Drain No. 1	.....	363	438	737	780
Scottsbluff Drain No. 2	.....	363	438	737	780
Scout Creek—North Platte	.....	363	438	.....	.....
Scripter Canal—Clear Creek	.....	.....	626	855	.....
Seegrist Canal—Indian Creek	.....	.....	626	.....	.....
Seegrist Canal—Renfro Reservoir	.....	.....	626	.....	.....
Seminoe Reservoir (Storage 657, 671)					
Severns Pump—Frenchman River	.....	.....	.....	856	.....
Sheep Creek—Morrill	274	363	439	738	781
Sheldon Canal—East Ash Creek	.....	.....	626	.....	.....
Shell Creek:					
Platte Center	.....	364	.....	.....	.....
Schuyler	.....	364	439	.....	.....
Shephard Creek—North Loup	.....	.....	439	.....	.....
Shepherd Canal—Squaw Creek	.....	.....	626	.....	.....
Sherbeck Pump—Mud (Beaver) Creek	.....	.....	627	.....	.....
Sheridan-Wilson Canal—North Platte River	.....	514	627	856	916
Sheridan-Wilson Canal—Sarben Slough	.....	.....	.....	857	916
Short Line Canal—North Platte River	.....	515	628	858	917
Signal Bluff Canal—North Platte River	.....	515	628	858	.....
Silver Creek	.....	364	439	.....	.....
Silvernail Drain	.....	364	440	738	781
Simpson Creek—Carns	.....	.....	440	.....	.....
Sims and Engells Pump—Frenchman River	.....	.....	.....	859	.....
Simons Canal—Little Cottonwood Creek	.....	515	628	.....	.....
Six Mile Canal—Platte River and Sutherland Reservoir	.....	516	628	859	917
Skedee Creek—Genoa	.....	.....	440	.....	.....
Skochdopole Pump—Mud (Beaver) Creek	.....	.....	629	.....	.....
Skunk Creek	.....	364	440	.....	.....
Slattery Canal—Jim Creek	.....	.....	629	.....	.....
Slattery Canal—Dead Horse Creek	.....	.....	629	.....	.....
Slote Pump—Mud (Beaver) Creek	.....	.....	629	.....	.....
Smith Pump—Haskell Creek	.....	.....	630	.....	.....
Smith-Wheeler Canal—Pumpkinseed Creek	.....	516	630	859	.....
Smock Canal—Trunk Butte Creek	.....	.....	630	.....	.....
Snake Creek	.....	.....	440	.....	.....
Snake River	.....	364	440	.....	.....
Soderquist Canal—Lodgepole Creek	.....	516	630	.....	.....
Soehl Canal—Lonergan Creek	.....	.....	.....	860	.....
Soldier Creek	.....	364	441	.....	.....
Sorensen Pump—Mud (Beaver) Creek	.....	.....	630	.....	.....
Souther Lake—Hooker Creek	.....	.....	631	.....	.....

	Gaging Station	Measurements		Daily Discharge	
		1941	1942	1941	1942
Sow Belly Creek	.....	365	441	.....	.....
Sow Belly Canals—Sow Belly Creek	.....	516	631	.....	.....
Spalding Mill Tail Race	.....	517	.....	.....	.....
Spencer Dam Drain	.....	.....	442	.....	.....
Spohn Canal—North Platte River	.....	517	631	860	917
Spotted Tail Creek—Brocksburg	.....	.....	442	.....	.....
Spotted Tail Creek, Dry	.....	365	442	739	782
Spotted Tail Creek, Wet	.....	365	442	739	782
Spring Branch Canal—Lawrence Fork	.....	517	632	.....	.....
Spring Creek:					
Cushing	.....	366	443	.....	.....
Sumter	.....	366	443	.....	.....
Wyoming-Nebraska Line	.....	365	443	740	783
Sec. 34-33-55	.....	.....	443	.....	.....
Sec. 13-32-52	.....	365	443	.....	.....
Spring Creek Canal—Sow Belly Creek	.....	517	632	.....	.....
Spring Creek Canal No. 1—Spring Creek	.....	517	632	.....	.....
Squaw Creek:					
At McDowells Reservoir	.....	366	444	.....	.....
Pishelville	.....	.....	444	.....	.....
Sec. 36-34-57	.....	.....	443	.....	.....
Squaw Creek Canal—Spring Creek	.....	.....	632	.....	.....
Steel Creek—Pishelville	.....	.....	444	.....	.....
Stewart Pump—North Loup River	.....	.....	632	.....	.....
Stinking Water Creek	.....	366	444	740	784
Strever Creek	.....	367	445	741	783
Stuart Brothers Canals—Little Cottonwood Creek	.....	518	633	.....	.....
Stuart-Maple Canal—Little Cottonwood Creek	.....	.....	633	.....	.....
Stuart (Thomas) Canal	.....	523	639	.....	.....
Stumph Canal—East Ash Creek	.....	518	633	.....	.....
Suburban Canal—North Platte River	.....	518	634	860	917
Suburban Canal—Lincoln County Drain No. 1	.....	519	634	860	.....
Suburban Canal—Lincoln County Drain No. 1A	.....	519	634	861	.....
Suburban Canal Spill—South Platte River	.....	519	.....	.....	.....
Sutherland Power Return	.....	.....	.....	863	919
Sutherland Reservoir Supply Canal—North Platte River	.....	520	635	862	918
Sutherland Reservoir—North Platte River (Storage 862, 918)					
Sutton Pump—Clear Creek	.....	.....	636	.....	.....
Sweet and Cherry Creeks	.....	.....	445	.....	.....

T	Gaging Station	Measurements		Daily Discharge	
		1941	1942	1941	1942
Talbot Pump—Mud (Beaver) Creek	.....	.....	636	.....	.....
Thirty Mile Canal—Platte River and Sutherland Reservoir	.....	521	636	863	919
Thirty Mile Canal, Little Spillway	.....	521	636	864	.....
Thirty Mile Canal, Middle Spillway	.....	522	637	864	.....
Thirty Mile Canal, Henderson Spillway	.....	522	637	864	.....
Thirty Mile Canal, Darr Spillway	.....	522	638	864	.....
Thomas Creek—Riverview	.....	.....	445	.....	.....
Thomas Canal—East Ash Creek	.....	523	638	.....	.....
Thomas Canal—Big Bordeaux Creek	.....	523	638	.....	.....
Thomas-Stuart Canal—Little Cottonwood Creek	.....	523	639	.....	.....
Thompson Creek—Riverton	.....	.....	445	.....	.....
Timber Creek	.....	.....	446	.....	.....
Tobin Canal—Lodgepole Creek	.....	523	639	.....	.....
Todd Canal—East Ash Creek	.....	523	639	.....	.....
Tracy Canal—Lodgepole Creek	.....	524	639	.....	.....
Tracy Pump—Mud (Beaver) Creek	.....	.....	640	.....	.....
Trails End Canal—Pumpkinseed Creek	.....	524	640	.....	.....
Travelers Insurance Company Pump—Mud (Beaver) Creek	.....	.....	640	.....	.....
Tri-County Supply Canal—Platte River	.....	524	640	865	920
Tri-County Return, Jeffrey Power Plant to Platte River	.....	525	641	866	921
Tri-County Spill, Johnson Power Plant No. 2 to Platte River	.....	526	642	866	921
Trinnier Canal—Greenwood Creek	.....	526	642	.....	.....
Tri-State Canal—North Platte River	.....	.....	.....	.....	924
Tri-State Canal—North Platte River and Pathfinder Reservoir	.....	526	643	867	922
Tri-State Canal, Lateral No. 1—North Platte River and Pathfinder Reservoir	.....	527	643	867	922
Tri-State Canal, Lateral No. 2—North Platte River and Pathfinder Reservoir	.....	527	643	867	922
Tri-State Canal, Lateral No. 3—North Platte River and Pathfinder Reservoir	.....	528	644	868	922
Tri-State Canal—Akers Draw	.....	528	644	868	923
Tri-State Canal—Sheep Creek	.....	528	644	869	923
Tri-State Canal—Dry Spotted Tail Creek	.....	528	645	869	.....
Tri-State Canal—Wet Spotted Tail Creek	.....	529	645	870	923
Tri-State Canal—Tub Springs	.....	529	645	870	923
Tri-State Canal—Alliance Drain	.....	529	.....	871	.....
Tri-State Canal, Roberts Lateral—Dry Spotted Tail Creek	.....	529	.....	.....	.....
Tri-State Canal, D-918—Diversion from all sources	.....	.....	.....	874	.....

	Gaging Station	Measurements 1941	Measurements 1942	Daily Discharge 1941	Daily Discharge 1942
Tri-State Canal, A-660—Diversions from all sources	.....	.....	.....	873	.....
Tri-State Canal—Toohey Spillway	.....	529	646	.....	.....
Tri-State Canal—Mitchell Spillway	.....	530	646	871	.....
Tri State Canal Spill—Nine Mile Drain	.....	.....	.....	871	.....
Tri-State Canal Spill—Wild Horse Creek	.....	.....	.....	872	.....
Tri-State Canal Spill—Red Willow Creek	.....	.....	.....	872	.....
Trunk Butte Creek	.....	367	446	.....	.....
Tub Springs	.....	367	446	741	784
Turkey Creek:					
Dannebrog	.....	368	447	.....	.....
Meadville	.....	.....	447	.....	.....
Naponee	.....	.....	447	.....	.....
Newcastle	.....	.....	447	.....	.....
Turner Canals—Antelope Creek	.....	.....	646	.....	.....
Turtle Creek—Elyria	.....	368	447	.....	.....
U					
Union Canal—Blue Creek and Crescent Lake	.....	530	646	874	925
Union Creek—Stanton	.....	368	447	.....	.....
Urbach Canal—Lodgepole Creek	.....	530	647	.....	.....
V					
Valdez Canal—Cedar Creek	.....	531	.....	.....	.....
Van Diest Canal—North Loup River	.....	.....	647	.....	.....
Vansant Pump—Mud (Beaver) Creek	.....	.....	647	.....	.....
Vansant-Scott Pump—Clear Creek	.....	.....	647	.....	.....
Verdigris Creek—Niobrara	.....	368	447	.....	.....
Victoria Canals—Victoria Creek	.....	.....	647	.....	.....
Victoria Creek—Gates	.....	368	447	.....	.....
W					
Wagner Creek—Comstock	.....	368	448	.....	.....
Wahoo Creek	.....	368	448	.....	.....
Wallace Creek—Scotia	.....	.....	448	.....	.....
Walnut Creek	.....	.....	448	.....	.....
Walnut Run Creek—Franklin	.....	.....	448	.....	.....
Warbonnet Canals—Warbonnet Creek	.....	531	648	.....	.....
Warbonnet Creek—Below Warbonnet Canal	.....	368	448	.....	.....
Warneke Canal—Niobrara River	.....	531	649	.....	.....
Wearin Canal—Lodgepole Creek	.....	531	649	.....	.....
Weeping Water Creek—Union	.....	.....	448	.....	.....
Wegner-Krebs Pump—North Loup River	.....	.....	649	.....	.....
Wells Pump—North Loup River	.....	.....	649	.....	.....
Wentworth Creek—Riverview	.....	.....	448	.....	.....

	Gaging Station	Measurements		Daily Discharge	
		1941	1942	1941	1942
Western Canal—South Platte River	.....	531	649	875	925
Whisky Creek—Lynch	.....	.....	449	.....	.....
Whistle Creek	.....	368	449	.....	.....
White Clay Creek	.....	369	449	.....	.....
White Horse Creek	.....	369	449	742	785
White-Larned Canal—Republican River	.....	.....	650	.....	.....
White River Canals—White River	.....	532	650	.....	.....
White River:					
Sec. 19-32-51 W.	.....	369	450	.....	.....
Chadron	275	370	450	743	786
Crawford	275	369	450	742	785
Above Whitney Diversion	.....	369	450	.....	.....
Below Whitney Diversion	.....	.....	450	.....	.....
White Tail Creek	.....	370	451	743	786
Whitney Reservoir (Storage 875, 926)					
Wickersham Canal—Boggy Creek	.....	532	650	.....	.....
Wickersham Reservoir Canal—Boggy Creek	.....	.....	651	.....	.....
Wickersham Supply Canal—Boggy Creek	.....	532	651	.....	.....
Weigand Canals—Lodgepole Creek	.....	532	651	.....	.....
Wiggle Creek—Loup City	.....	.....	451	.....	.....
Wilds Canals—Lodgepole Creek	.....	533	652	.....	.....
Williams Pump—Mud (Beaver) Creek	.....	.....	652	.....	.....
Willoughby Pump—Mud (Beaver) Creek	.....	.....	652	.....	.....
Willow Creek	.....	.....	451	.....	.....
Wilson Pump—Mud (Beaver) Creek	.....	.....	653	.....	.....
Winters Creek—Scottsbluff	276	370	452	744	787
Winters Creek Canal—Minatare Drain	.....	534	.....	.....	.....
Winters Creek Canal—North Platte River	.....	533	653	876	926
Winters Creek Canal—Winters Creek	.....	533	653	876	926
Winters Creek Canal—Scottsbluff Drain No. 1	.....	.....	.....	877	.....
Winters Creek Canal Spill to Minatare Drain	.....	534	.....	876	.....
Winters Creek Canal Spill to Winters Creek	.....	534	654	.....	.....
Winters Creek Lateral—Winters Creek	.....	534	653	876	927
Wolfe Canal—Lodgepole Creek	.....	.....	654	.....	.....
Wood River—Grand Island	.....	370	452	.....	.....
Woodruff Canal—Jim Creek	.....	.....	654	.....	.....
Wyman Creek—Riverview	.....	.....	452	.....	.....
Y					
Yanda Pump—Mud (Beaver) Creek	.....	.....	654	.....	.....
Yankton Slough—Pierce	.....	.....	452	.....	.....
Z					
Zerbst Canals—Little Red Creek	.....	534	655	.....	.....
Zimmerman Canal—Sow Belly Creek	.....	534	655	.....	.....