

VOLUME II
TWENTY - SIXTH BIENNIAL REPORT
DEPARTMENT OF ROADS & IRRIGATION
TO THE
GOVERNOR OF NEBRASKA

1945 - 1946

DEPARTMENT OF ROADS AND IRRIGATION
WARDNER G. SCOTT,
STATE ENGINEER



BUREAU OF HIGHWAYS,
BUREAU OF IRRIGATION,
WATER POWER AND DRAINAGE,
MOTOR VEHICLE DIVISION,
LAW ENFORCEMENT
AND PUBLIC SAFETY

State of Nebraska
DWIGHT GRISWOLD, GOVERNOR
LINCOLN

November 30, 1946

The Honorable Dwight Griswold
Governor of Nebraska

Sir:

In compliance with the provisions of the law I am transmitting to you herewith Volume II of the Twenty-sixth Biennial Report of the Department of Roads and Irrigation covering the activities of the Bureau of Irrigation, Water Power and Drainage for the water years ending September thirtieth for 1945 and 1946.

Respectfully submitted,


State Engineer

TWENTY-SIXTH 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

1945-1946

The University of Nebraska

THESE PRESENTS CERTIFY THAT IN RECOGNITION OF THE TRUE
PERSONAL MERIT AND NOTABLE SERVICE TO THE PEOPLE
OF THE STATE OF NEBRASKA

OF

Robert H. Willis

THE BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA AT THE
INSTANCE OF THE ADVISORY COUNCIL HEREBY DENOMINATE HIM

A Nebraska Builder

AND COMMEND HIM TO THE HIGHEST REGARD OF HIS FELLOWMEN

IN TESTIMONY WHEREOF WE HAVE HEREUNTO SET OUR HANDS AT LINCOLN
THIS TWENTY-SEVENTH DAY OF MAY NINETEEN HUNDRED FORTY-SIX



ATTEST

John Seever
REGENT OF THE BOARD

R. W. Devoe
PRESIDENT OF THE BOARD

Ed. Baucher
COUNCILOR OF THE UNIVERSITY



Mr. R. H. Willis, Chief of the Bureau of Irrigation, Water Power and Drainage, and the Department of Roads and Irrigation were honored when the University of Nebraska presented to Mr. Willis its first "Nebraska Builder" award at the 75th Commencement of the University on May 27, 1946.

On the opposite page is a reproduction of this outstanding award to "Bob" Willis.

Soon after receiving his engineering education at Rensselaer Polytechnic Institute at Troy, New York, Mr. Willis was appointed Water Commissioner for the Platte River Basin in Nebraska in 1895, having received his appointment from R. B. Howell, the first State Engineer of Nebraska. He served successively as Water Commissioner, Water Division Superintendent and in 1918, as Assistant State Engineer. In 1919 his title was changed to Chief of the Bureau of Irrigation, Water Power and Drainage, which position he holds at this time.

Mr. Willis has served well the people of the State of Nebraska as an irrigation engineer and as an administrative official for the past 52 years. His faithful and outstanding service has served as an inspiration to Nebraska engineers.



NEBRASKA STATE CAPITOL

PREFACE

This edition of the biennial report is published in two volumes. Volume I contains detailed reports of the Bureau of Highways, the Motor Vehicle Division, and Law Enforcement and Public Safety. Volume II consists of the report of the Bureau of Irrigation, Water Power and Drainage.

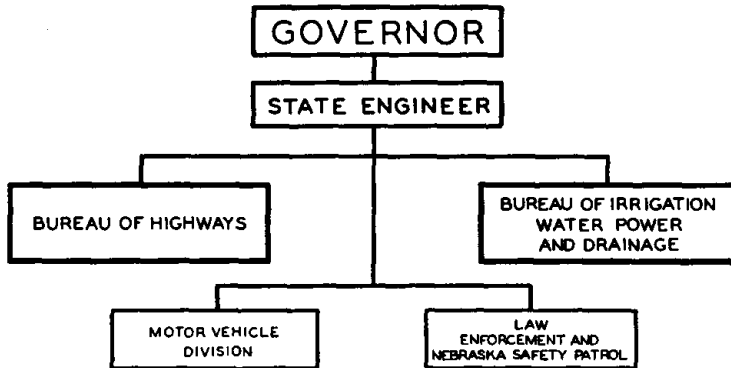
The first of this series of biennial reports was issued by the State Board of Irrigation which was established by the State Legislature in 1895. Originally this Board had no functions pertaining to highway construction, but in 1905, the Legislature provided that the State Board of Irrigation should, when requested by a county board, prepare plans and specifications for bridges if the estimated cost was in excess of \$200. The Eighth Biennial Report of the State Board of Irrigation for the years 1909-10 was the last of these reports issued by that Board.

In 1911, the Legislature provided State-aid for the construction of bridges to span streams exceeding a specified width. The functions of administering this Act were assigned to the State Board of Irrigation, Highways and Drainage, successor to the State Board of Irrigation. This Board issued the Ninth to Twelfth Biennial Reports of the State Board of Irrigation, Highways and Drainage, dealing with its activities for the years 1911-18.

The Civil Administration Code, enacted by the Legislature of 1919, abolished various boards and commissions, and created in their place six administrative departments under the direct control of, and with all authority vested in the Governor. Under this Act the State Board of Irrigation, Highways and Drainage was abolished, and the Department of Public Works was created as its successor. That Department was divided into the Bureau of Roads and Bridges, and the Bureau of Irrigation, Water Power and Drainage. It issued the Thirteenth to the Nineteenth Biennial Reports of the Department of Public Works, covering the years of 1919-32.

In 1933, the Legislature changed the name of the Department of Public Works to the Department of Roads and Irrigation. Since 1933 the Twentieth, and succeeding Biennial Reports of the Department of Roads and Irrigation have been issued.

This volume of the report contains data regarding the water supply of the state, and covers the activities of the Bureau of Irrigation, Water Power and Drainage during the water years ending September thirtieth for 1945 and 1946.



ORGANIZATION
OF THE
DEPARTMENT OF ROADS AND IRRIGATION
STATE OF NEBRASKA

EXECUTIVES AND EMPLOYEES

of the

BUREAU OF IRRIGATION, WATER POWER AND DRAINAGE

Wardner G. Scott, State Engineer	Lincoln
Robert H. Willis, Chief	Bridgeport
Dan S. Jones, Jr., Assistant Chief	Lincoln
A. W. Hall, Office Engineer	Bridgeport
E. S. Kimmel, Associate Engineer	Bridgeport
K. I. Ward, Statistician	Lincoln
David B. Ender, Associate Engineer	North Platte
Stanley M. Christensen, Senior Engineer Assistant	Bridgeport
Paul D. Harrington, Senior Engineer Assistant	Bridgeport
John H. Hintz, Senior Engineer Assistant	Hershey
Bernard A. Nelson, Senior Engineer Assistant	Grand Island
Jack Ratliff, Senior Engineer Assistant	Bridgeport
J. Norman Walburn, Senior Engineer Assistant	Cambridge
John H. Patterson, Engineer Aide	Bridgeport
Stenographers, Clerks and Typists (Five)	
Observers (Sixteen)	

WATER SUPERINTENDENT

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

WATER COMMISSIONER

S. B. Hanna, Lodgepole Creek Basin	Kimball
--	---------

ACTING WATER COMMISSIONERS

Elmer Donahue	Ogallala
T. O. Haiston	Bridgeport
L. B. Hall	Bridgeport
Frank B. Ludden	Scottsbluff

BUREAU OF IRRIGATION
WATER POWER AND DRAINAGE

CHIEF

ASSISTANT CHIEF

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STATISTICIAN
WATER APPROPRIATIONS
WATER POWER LEASES
ACREAGE REPORTS
REQUISITIONS AND VOUCHERS

SENIOR CLERK
STENOGRAPHERS

DIVISION OF CONSERVATION

WATER SUPPLY STUDIES
IRRIGATION AND POWER DISTRICTS
REGIONAL AND STATE PLANNING

HELP AS NEEDED

DIVISION OF HYDROGRAPHY

ASSOCIATE ENGINEER
STREAM AND CANAL GAGINGS
GAGING STATION MAINTENANCE
SPECIAL ASSIGNMENTS

HYDROGRAPHERS
STATION OBSERVERS

DIVISION OF ADMINISTRATION

SENIOR ENGINEER
ADMINISTRATION OF WATER LAWS,
ALLOCATION OF WATER SUPPLY,
COMPILATION OF STREAM AND
CANAL DISCHARGE RECORDS
REPORTS.

SPECIAL CLERK
STENOGRAPHERS
WATER SUPERINTENDENTS
WATER COMMISSIONERS
ACTING WATER COMMISSIONERS

ADMINISTRATION

Under the laws of Nebraska it is the duty of the Department of Roads and Irrigation to administer the public waters of the State. This involves the measuring and recording of the water flowing in the several streams and canals, the granting and recording of water appropriations, the allocation of the available water supply, and related matters.

This portion of the report contains brief summaries of the water supply, the activities of the Bureau of Irrigation, Water Power and Drainage and the development of the state's water resources during the 1945 and 1946 water years.

WATER SUPPLY

The report of Snow Survey in the higher elevations of the North Platte Basin, prepared jointly by Federal and State agencies, shows 128 per cent and 70 per cent of the eleven year average, for the years 1945 and 1946, respectively.

The runoff above Pathfinder Dam was approximately 1,131,000 acre-feet for the water year ending September 30, 1945, and 837,000 acre-feet for the water year ending 1946.

The discharge of the North Platte River through the Alcova Dam for the 1945 water year was 68 per cent of the 17 year mean (1925-1941) and 80 per cent for the 1946 water year. The flow through the Guernsey Dam for the 1945 water year was 85 per cent of the 17 year mean and for 1946 it was 82 per cent.

The flow of the North Platte River at Mitchell for the 1945 water year was 72 per cent of the 17 year mean and 60 per cent for 1946. The river discharge at Oshkosh was 88 per cent and 72 per cent for the years 1945 and 1946, respectively. The discharge of the Platte River below the confluence of the North and South Platte Rivers was 71 per cent of the 17 year mean for 1945 and 74 per cent for 1946.

The flow of the Platte River at Overton was 55 per cent and 45 per cent of the 17 year mean for 1945 and 1946, respectively. The discharge of the South Platte River at North Platte for the water year of 1945 was 128 per cent of the 17 year mean and 167 per cent for the year 1946. The flow of the South Platte River at Julesburg, Colorado, was 101 per cent of the 17 year mean for 1945. The record for 1946 was not available for publication, but 120 per cent of the 17 year average may be a fair estimate for the year ending September 30, 1946.

The discharge of the Platte River below Kearney Power Return was 912,620 acre-feet for the 1945 water year and 774,200 acre-feet for the year ending September 30, 1946.

The flow of the Platte River at Duncan was 863,500 acre-feet for the 1945 year and 707,700 acre-feet for the year ending September 30, 1946.

The loss between Kearney Power Return and Duncan was 49,100 acre-feet and 66,500 acre-feet for the years 1945 and 1946, respectively.

The average flow of the river per gaging station from Guernsey Dam, Wyoming, to Odessa, Nebraska, through May to September, inclusive (153 days) was 1,600 second-feet for 1945 and 1,200 second-feet for 1946; or 132 per cent and 99 per cent of the 17 year mean, respectively.

FLOODS

No floods of serious magnitude occurred on the major streams of Nebraska during the 1945 and 1946 water years. However, during 1945 several damaging floods were experienced on the smaller streams in the northern and northeastern parts of the state.

On May 27, 1945, following excessive precipitation, the greater part of the business district and part of the residential area in Broken Bow, Nebraska, were inundated for several hours, due to the overflowing of Mud Creek which passes through the city, causing much damage to property and crops. Computations of the peak discharges at two sites were made by engineers of the U. S. Geological Survey from data furnished by the Resident Engineer for the Department of Roads and Irrigation at Broken Bow. These computations indicate that the maximum runoff of an unnamed tributary to Mud Creek, 2.5 miles upstream from Broken Bow, was 1,500 second-feet for a drainage area of 6.4 square miles. The maximum runoff at a bridge on Mud Creek, 3.5 miles upstream from Broken Bow, was determined to be approximately 5,000 second-feet for a drainage area of 90.2 square miles.

Other damaging floods worthy of note but for which estimates of runoff are lacking, occurred in May and June, 1945, on Shell Creek in Platte and Colfax Counties, on Antelope Creek, at and near Gordon and on Verdigre Creek in Knox County. Many thousands of dollars of damage was done to roads and bridges and to farm and town property by these floods.

PRECIPITATION

The total annual precipitation over the area between Guernsey, Wyoming, and Kearney, Nebraska, averaged a depth of 1.83 feet for the 1945 water year and 1.55 feet for the 1946 years. Vegetation must have a certain amount of moisture in order to harvest satisfactory yields. The diversion of water from streams to supplement the precipitation is required in an inverted ratio to the amount of precipitation. In other words, as the precipitation diminishes the diversion of water for irrigation increases.

Although the irrigated acreage in the Platte River Basin increases each year, it is not always reflected in the quantity of water diverted.

The irrigated area, based on acreage reports, in the Platte Basin between Guernsey, Wyoming, and Kearney, Nebraska, was 845,000 acres for the year 1945 and 855,000 acres in 1946.

The amount of water diverted for irrigation from May 1 to September 30, 1945, was 1,590,000 acre-feet and 1,943,000 acre-feet during the similar period of 1946. This is equivalent to an average depth over the irrigated acreage of 1.88 feet in 1945 and 2.27 in 1946. More water was diverted in 1946 than in 1945, due primarily to less precipitation in 1946.

RESERVOIRS

The maximum quantity for storage, by virtue of the Pathfinder permit, is limited to the capacity of the reservoir, which is 1,045,000 acre-feet. This figure was reached both years of 1945 and 1946.

Approximately 447,000 acre-feet of Pathfinder storage were withdrawn during the 1945 season, of which about 428,000 acre-feet passed through the Alcova Dam for use on lands having storage rights. For the season of 1946, approximately 597,000 acre-feet of the Pathfinder storage were withdrawn, of which 560,000 acre-feet passed through the Alcova Dam.

The approximate carry-over of the Pathfinder storage on September 30, 1945, was 598,000 acre-feet and 448,000 acre-feet on September 30, 1946. About 31 per cent more storage water passed through the Alcova Dam to supplement the natural flow requirements in 1946 than was needed for the 1945 season.

The Kingsley Reservoir had a carry-over of 594,200 acre-feet on September 30, 1944. On July 5, 1945, the peak quantity in the reservoir was 1,022,000 acre-feet; of this quantity 286,000 acre-feet were withdrawn during the summer months of 1945, leaving an approximate carry-over on September 30, 1945, of 835,000 acre-feet. More water was being impounded after this date until a peak of 1,264,000 acre-feet was reached on April 25, 1946. From this quantity approximately 447,000 acre-feet were withdrawn, leaving an approximate carry-over on September 30, 1946, of 839,900 acre-feet. The gain from September 30, 1944, to September 30, 1946, was 245,700 acre-feet.

The Sutherland Reservoir has been operated as a regulator during the biennium. The average daily contents were about 43,500 acre-feet.

During the 1945 season, 3,220 acre-feet of storage were withdrawn from the Oliver Reservoir and 3,920 acre-feet during the 1946 season, for use on lands of the Kimball Irrigation District.

Lands within the Whitney Irrigation District received 3,000 acre-feet of storage from the Whitney Reservoir during the season of 1945 and 4,000 acre-feet in 1946.

ADMINISTRATIVE ACTIVITIES

The administration of the distribution of the water from streams during the biennium was generally routine.

The regulating orders issued by the Department for 1945 were about half of the number of orders issued in 1946. All the orders for the two seasons applied to the Platte, North Platte, South Platte, Lodgepole Creek, Frenchman and Hat Creek Basins.

By virtue of the United States Supreme Court in the Nebraska vs. Wyoming suit, dated October 8, 1945, the Wyoming, United States Bureau of Reclamation and Nebraska administrative officials were guided by the provisions of the decree during the 1946 season. Therefore, a more detailed record was made necessary for 1946 than in any previous year. Under this Court ruling no demand can be made on Wyoming for natural flow water to be used by canals in Nebraska diverting downstream from the Tri-State Canal diversion dam. The decree is published elsewhere in this biennial report.

The Central Nebraska Public Power and Irrigation District diverted into the Tri-County Canal for power and irrigation, 1,100,190 acre-feet during the 1945 water year, of which 183,798 acre-feet were storage water from Kingsley Reservoir. For the year 1946, there were diverted 1,149,230 acre-feet, of which 239,409 acre-feet were storage water. A portion of the water diverted was used on approximately 70,000 acres of land.

The Platte Valley Public Power and Irrigation District provided approximately 2,200 acre-feet of storage water for seven canals east of Brady, Nebraska, to supplement natural flow during the 1945 season, and about 69,000 acre-feet during the 1946 season, measured at the headgates of the seven canals.

No demands were made on the Department for administrative services by the North Loup and the Middle Loup Public Power and Irrigation Districts, and no records of the amount of water diverted were made available during the biennium. However, there were 33 measurements made in 1945 of the four canal diversions by the Middle Loup District and 88 in the 1946 irrigation season. There were 22 measurements made in 1945 of the three canal diversions by the North Loup District and 68 in 1946.

Administrative problems in the Republican River Basin, Water Division Number 1-B, were comparatively minor during the biennium. The Department was required to issue closing orders on the Frenchman River for the benefit of the Culbertson Canal for a very few days each year. The water shortages existed for such a brief time in both instances that no losses were suffered and the water supply may be considered to have been ample for the presently irrigated lands.

HYDROGRAPHY

The stream-gaging program continued under a cooperative agreement entered into in 1941 between the United States Geological Survey and the Department of Roads and Irrigation. An annual expenditure by the State of approximately \$25,000 was matched by an equal amount of Federal funds. All of the gaging stations maintained under the cooperative program during the previous biennium were continued in operation and, in addition, 18 new Federal type stations were installed on various streams in the State by the U. S. Geological Survey. These latter stations were installed mainly for the purpose of obtaining records for use of the U. S. Bureau of Reclamation and the Corps of Engineers in their studies of proposed irrigation and power developments and flood control projects, being constructed and operated entirely by Federal Missouri Basin funds.

The Department began the biennium with three hydrographers. Only one hydrographer was available to make measurements in the Platte River Basin between the Wyoming-Nebraska State Line and Odessa; one was assigned to Lodgepole Creek, White River, and the Niobrara River basins; and one assigned to the Republican River Basin. At the end of November 1945 three hydrographers had resigned. In January 1946 the Department began to get replacements with men returning from service in the army, and during 1946 there were seven ex-service men employed as hydrographers under "On-the-Job Training" plan. At the end of 1946, four hydrographers had been assigned to the Platte River Basin between the Wyoming-Nebraska State Line and Odessa; one hydrographer was assigned to Lodgepole Creek, White River and the Niobrara River; one to the Republican River; and one to the Loup River and Elkhorn River.

At the close of the 1946 water year there were a total of 93 gaging stations in operation in Nebraska.

DEVELOPMENT

The Platte Valley Public Power and Irrigation District was granted an application (3601) for a permit to divert 500 second-feet from the South Platte River for power. The canal for the conveyance of the water appropriated was practically ready for use in September 1946. The headgate is located on the south bank at a point seven miles west of Paxton, Nebraska.

The Mirage Flats Project was completed and in operation during the 1946 season. Water was used on part of the 12,000 acres to be reclaimed. The record of the water used was not made available. Storage in Box Butte Reservoir began October 3, 1945. The maximum storage reported was 12,120 acre-feet on May 30, 1946, of which 2,220 acre-feet were withdrawn during the 1946 season, leaving a carry-over on September 30, 1946, of 9,900 acre-feet.

On April 6, 1946, the Frenchman-Cambridge Irrigation District was declared organized by the County Board of Red Willow County, following an election in which more than 90 per cent of the landowners within the district voted in favor of its formation. The district is comprised of some 53,000 acres of land along the Frenchman and Republican Rivers, extending from Culbertson, Nebraska to Oxford, Nebraska. This Bureau of Reclamation project when completed will consist of four new diversion works, four new main canals and four existing canals as well as the Enders and the Medicine Creek Reservoirs of 74,000 acre-foot capacity and 93,000 acre-foot capacity, respectively.

The contract for the construction of the Enders Reservoir Dam was awarded in December, 1946 and construction will start on this, the first unit of the Frenchman-Cambridge project, in the spring of 1947.

Construction of the Harlan County Dam across the Republican River near Republican City, Nebraska, was commenced by the contractor in August 1946. Progress was slow because of the unusually heavy late summer and fall flows of the river.

This Army Engineers' project when completed will create a multiple-purpose reservoir of 850,000 acre-foot capacity, of which 150,000 acre-foot will be for irrigation, 200,000 acre-foot for silt control and 500,000 acre-foot for flood control. The water stored for irrigation will be applied to lands of the Bostwick Project, proposed by the Bureau of Reclamation. Present plans are for the irrigation of 90,000 acres of land, 26,500 acres in Nebraska and 63,500 in Kansas.

Landowners in Kansas and Nebraska are prepared to initiate the formation of irrigation districts under the respective laws of each state. Progress in the formation of the districts is being delayed pending re-studies of the irrigable lands and the water supply by the Bureau of Reclamation.

The investigations of the Lower Platte River Basin and the Loup River Basin, started early in 1945, have been continued throughout the biennium by the U. S. Bureau of Reclamation. This work includes water supply studies, reservoir and canal surveys and classification of irrigable lands.

During 1946, investigations in the Niobrara River Basin have been carried on by both the Corps of Engineers and the Bureau of Reclamation, to determine potentialities and to prepare recommendations for specific developments relating to irrigation, flood and silt control and other water uses. In May 1946, the Niobrara River Valley Development Association was organized to further the development of the resources of the basin. The membership is composed of representatives of all of the counties and towns within the Niobrara River Basin.

STATISTICAL SUMMARY

The following is a summary of the statistical record for the biennium ending September 30, 1946:

Applications for water appropriations.....	211
Permits issued.....	208
Appropriations canceled.....	16
Applications dismissed.....	4
Applications pending to divert water from running streams.....	78
Applications pending to use ground water for irrigation.....	167
Hearings held.....	9
Relocation permits.....	5
Water power lease.....	1
Deeds recorded.....	77
Districts organized under Chapter 70, Article 6, R. S. 1943.....	4
Public irrigation district dissolved.....	1
Field investigations.....	100
Maps and plans filed.....	159
Canal gagings made by Nebraska.....	5078
Stream gagings made by Nebraska.....	6172
Stream gagings made by U. S. G. S.....	3968
Gaging stations with automatic recorders.....	69
Gaging stations with observers.....	6
Fees collected covering:	
Applications, plans, power lease fees, deeds, petitions and copying records.....	\$38,839.97

PUBLIC POWER AND IRRIGATION DISTRICTS

During the two year period ending September 30, 1946, the Department approved the creative petitions of the Nebraska Mid-State Public Power and Irrigation District, the Omaha Public Power District, the Custer Public Power District, and the North Central Nebraska Rural Public Power District. The creative petitions of six public districts were amended after hearings before the Department. The Imperial Valley Public Power and Irrigation District was dissolved upon petition of its board of directors.

At the time of this report, there are 25 rural public power districts in the State, of which 23 are in active operation. These 23 districts have been financed by R. E. A. funds. They serve only rural customers and, with minor exceptions, generate none of their own energy. The Loup River Public Power District, The Central Nebraska Public Power and Irrigation District, and the Platte Valley Public Power and Irrigation District generate, in their hydro plants, the greater part of the electrical energy marketed by the R. E. A. districts.

Construction by the districts during the biennium has continued to be limited by scarce materials and other restrictions resulting from the

war. However, the number of lettings held by the public districts, under the supervision of this Department, increased materially over the past biennium. A total of 40 such lettings were had resulting in the awarding of 27 contracts. The following table shows the districts which awarded contracts under the Department's supervision, the number of awards, and the total amount of such contracts.

CONTRACTS AWARDED BY PUBLIC DISTRICTS
FOR WHICH CERTIFICATES OF CONCURRENCE WERE ISSUED
BY THE DEPARTMENT OF ROADS AND IRRIGATION

October 1, 1944 to September 30, 1946

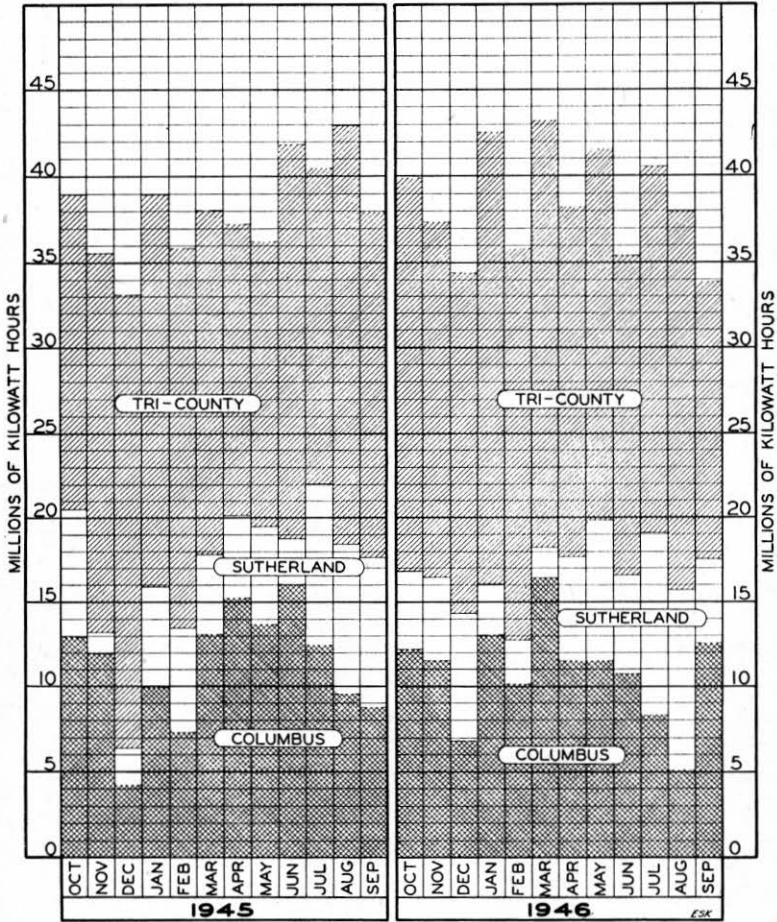
Name of District	Address	Number of Awards	Amount of Contract
The Central Nebraska Public Power			
and Irrigation District.....	Hastings	7	\$ 285,660.30
Consumers Public Power District.....	Columbus	6	335,537.83
Custer Public Power District.....	Broken Bow	1	182,605.77
Loup River Public Power District.....	Columbus	6	669,329.75
McCook Public Power District.....	McCook	1	226,394.12
Madison County Rural Public Power District.....	Battle Creek	1	149,230.86
North Central Nebraska Rural Public Power District.....	Creighton	1	312,701.52
Platte Valley Public Power			
and Irrigation District.....	North Platte	1	571,448.96
Southern Nebraska Rural Public Power District.....	Beatrice	2	85,330.14
York County Rural Public Power District.....	York	1	225,576.12
Total.....		27	\$3,043,815.37

The contracts listed in the above table do not reflect all of the expenditures of the districts for labor and materials. A substantial number of contracts were let without supervision by the Department, under the emergency provisions of the law. Also the law provides that contracts not exceeding \$1000.00 are exempt from the supervisory requirements.

In connection with the expansion of rural electrification in the State, it should be noted that during the past two years, twelve electrical membership associations have been formed and they are operating under the law governing cooperatives rather than the public power and irrigation district act. A membership association is formed by the filing of articles of incorporation in the office of the Secretary of State and such districts are not supervised in any way by this Department.

ELECTRICAL ENERGY

GENERATED BY HYDRO POWER PLANTS
OWNED BY THE NEBRASKA PUBLIC POWER SYSTEM



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COURT DECISIONS

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COURT DECISIONS

SUPREME COURT OF THE UNITED STATES

No. 6, Original.—October Term, 1945.

THE STATE OF NEBRASKA, Complainant,
vs.
THE STATE OF WYOMING, Defendant, and
the State of Colorado, Impleaded Defendant,
The United States of America, Intervenor. } IN EQUITY

(October 8, 1945.)

This cause having been heretofore submitted on the report of the Special Master and the exceptions of the parties thereto, and the Court being now fully advised in the premises:

It is ordered, adjudged and decreed that:

I. The State of Colorado, its officers, attorneys, agents and employees, be and they are hereby severally enjoined

(a) From diverting or permitting the diversion of water from the North Platte River and its tributaries for the irrigation of more than a total of 135,000 acres of land in Jackson County, Colorado, during any one irrigation season;

(b) From storing or permitting the storage of more than a total amount of 17,000 acre feet of water for irrigation purposes from the North Platte River and its tributaries in Jackson County, Colorado, between October 1 of any year and September 30 of the following year;

(c) From exporting out of the basin of the North Platte River and its tributaries in Jackson County, Colorado, to any other stream basin or basins more than 60,000 acre feet of water in any period of ten consecutive years reckoned in continuing progressive series beginning with October 1, 1945.

II. Exclusive of the Kendrick Project and Seminoe Reservoir the State of Wyoming, its officers, attorneys, agents and employees, be and they are hereby severally enjoined

(a) From diverting or permitting the diversion of water from the North Platte River above the Guernsey Reservoir and from the tributaries entering the North Platte River above the Pathfinder Dam for the irrigation of more than a total of 168,000 acres of land in Wyoming during any one irrigation season.

(b) From storing or permitting the storage of more than a total amount of 18,000 acre feet of water for irrigation purposes from the North Platte River and its tributaries above the Pathfinder Reservoir between October 1 of any year and September 30 of the following year.

III. The State of Wyoming, its officers, attorneys, agents and employees, be and they are hereby severally enjoined from storing or per-

mitting the storage of water in Pathfinder, Guernsey, Seminoe and Alcova Reservoirs otherwise than in accordance with the relative storage rights, as among themselves, of such reservoirs, which are hereby defined and fixed as follows:

- First, Pathfinder Reservoir;
- Second, Guernsey Reservoir;
- Third, Seminoe Reservoir; and
- Fourth, Alcova Reservoir;

Provided, however, that water may be impounded in or released from Seminoe Reservoir, contrary to the foregoing rule of priority operation for use in the generation of electric power when and only when such storage or release will not materially interfere with the administration of water for irrigation purposes according to the priority decreed for the French Canal and the State Line Canals.

IV. The State of Wyoming, its officers, attorneys, agents and employees be and they are hereby severally enjoined from storing or permitting the storage of water in Pathfinder, Guernsey, Seminoe or Alcova Reservoirs, and from the diversion of natural flow water through the Casper Canal for the Kendrick Project between and including May 1 and September 30 of each year otherwise than in accordance with the rule of priority in relation to the appropriations of the Nebraska lands supplied by the French Canal and by the State Line Canals, which said Nebraska appropriations are hereby adjudged to be senior to said four reservoirs and said Casper Canal, and which said Nebraska appropriations are hereby identified and defined, and their diversion limitations in second feet and seasonal limitations in acre feet fixed as follows:

Lands	Canal	Limitation in Sec. Feet	Seasonal Limitation in Acre Feet
Tract of 1025 acres.....	French	15	2,227
Mitchell Irrigation District.....	Mitchell	195	35,000
Gering Irrigation District.....	Gering	193	36,000
Farmers Irrigation District.....	Tri-State	748	183,050
Ramshorn Irrigation District.....	Ramshorn	14	3,000

V. The natural flow in the Guernsey Dam to Tri-State Dam section between and including May 1 and September 30 of each year, including the contribution of Spring Creek, be and the same hereby is apportioned between Wyoming and Nebraska on the basis of twenty-five per cent to Wyoming and seventy-five per cent to Nebraska, with the right granted Nebraska to designate from time to time the portion of its share which shall be delivered into the Interstate, Fort Laramie, French and Mitchell Canals for use on the Nebraska lands served by these canals. The State of Nebraska, its officers, attorneys, agents and employees, and the State of Wyoming, its officers, attorneys, agents and employees, are here-

by enjoined and restrained from diversion or use contrary to this apportionment, provided that in the apportionment of water in this section the flow for each day, until ascertainable, shall be assumed to be the same as that of the preceding day, as shown by the measurements and computations for that day, and provided further, that unless and until Nebraska, Wyoming and the United States agree upon a modification thereof, or upon another formula reservoir evaporation and transportation losses in the segregation of natural flow and storage shall be computed in accordance with the following formula taken from United States' Exhibit 204A:

Reservoir Evaporation Losses.

Seminole, Pathfinder and Alcova Reservoirs.

Evaporation will be computed daily based upon evaporation from Weather Bureau Standard 4 foot diameter Class "A" pan located at Pathfinder reservoir. Daily evaporation will be multiplied by the area of water surface of reservoir in acres and by co-efficient of 70% to reduce pan record to open water surface.

Guernsey Reservoir.

Compute same as above except use pan evaporation at Whalen Dam.

River Carriage Losses.

River carriage losses will be computed upon basis of area of river water surface as determined by aerial surveys made in 1939 and previous years and upon average monthly evaporation at Pathfinder reservoir for the period 1921 to 1939, inclusive, using a coefficient of 70% to reduce pan records to open water surface.

Daily evaporation losses in second-feet for various sections of the river are shown in the following table:

TABLE

River Section	Area Acres	Daily Loss—Second Feet				
		May	June	July	Aug.	Sept.
Alcova to Wendover	8360	53	76	87	76	56
Guernsey Res. to Whalen	560	4	5	6	5	4
Whalen to State Line	2430	16	22	25	22	16

Above table is based upon mean evaporation at Pathfinder as follows: May .561 ft.; June .767 ft.; July .910 ft.; Aug. .799 ft.; Sept. .568 ft. Co-efficient of 70% to reduce pan record to open water surface.

Above table does not contain computed loss for section of river from Pathfinder dam to head of Alcova reservoir (area 170 acres) because this area is less than submerged area of original river bed in Alcova reservoir and is, therefore, considered as off-set.

Likewise the area between Seminoe dam and head of Pathfinder reservoir is less than area of original river bed through Pathfinder reservoir—considered as off-set. Evaporation losses will be divided between natural flow and storage water flowing in any section of river channel upon a proportional basis. This proportion will ordinarily be determined at the upper end of the section except under conditions of intervening accruals or diversions that materially change the ratio of storage to natural flow at the lower end of the section. In such event the average proportion for the section will be determined by using the mean ratio for the two ends of the section.

In the determination of transportation losses for the various sections of the stream, such time intervals for the passage of water from point to point shall be used as may be agreed upon by Nebraska, Wyoming and the United States, or in the absence of such agreement, as may be decided upon from day to day by the manager of the government reservoirs, with such adjustments to be made by said manager from time to time as may be necessary to make as accurate a segregation as is possible.

VI. This decree is intended to and does deal with and apportion only the natural flow of the North Platte River. Storage water shall not be affected by this decree and the owners of rights therein shall be permitted to distribute the same in accordance with any lawful contracts which they may have entered into or may in the future enter into, without interference because of this decree.

VII. Such additional gauging stations and measuring devices at or near the Wyoming-Nebraska state line, if any, as may be necessary for making any apportionment herein decreed, shall be constructed and maintained at the joint and equal expense of Wyoming and Nebraska to the extent that the costs thereof are not paid by others.

VIII. The State of Wyoming, its officers, attorneys, agents and employees be and they are hereby severally enjoined from diverting or permitting the diversion of water from the North Platte River or its tributaries at or above Alcova Reservoir in lieu of or in exchange for return flow water from the Kendrick Project reaching the North Platte River below Alcova Reservoir.

IX. The State of Wyoming and the State of Colorado be and they hereby are each required to prepare and maintain complete and accurate records of the total area of land irrigated and the storage and exportation of the water of the North Platte River and its tributaries within those portions of their respective jurisdictions covered by the provisions of paragraphs I and II hereof, and such records shall be available for inspection at all reasonable times; provided, however, that such records shall not be required in reference to the water uses permitted by paragraph X hereof.

X. This decree shall not affect or restrict the use or diversion of water from the North Platte River and its tributaries in Colorado or

Wyoming for ordinary and usual domestic, municipal and stock watering purposes and consumption.

XI. For the purposes of this decree:

(a) "Season" or "seasonal" refers to the irrigation season, May 1 to September 30, inclusive;

(b) The term "storage water" as applied to releases from reservoirs owned and operated by the United States is defined as any water which is released from reservoirs for use on lands under canals having storage contracts in addition to the water which is discharged through those reservoirs to meet natural flow uses permitted by this decree;

(c) "Natural flow water" shall be taken as referring to all water in the stream except storage water;

(d) Return flows of Kendrick Project shall be deemed to be "natural flow water" when they have reached the North Platte River, and subject to the same diversion and use as any other natural flow in the stream.

XII. This decree shall not affect:

(a) The relative rights of water users within any one of the States who are parties to this suit except as may be otherwise specifically provided herein;

(b) Such claims as the United States has to storage water under Wyoming law; nor will the decree in any way interfere with the ownership and operation by the United States of the various federal storage and power plants, works and facilities.

(c) The use or disposition of any additional supply or supplies of water which in the future may be imported into the basin of the North Platte River from the water shed of an entirely separate stream, and which presently do not enter said basin, or the return flow from any such supply or supplies.

(d) The apportionment heretofore made by this Court between the States of Wyoming and Colorado of the waters of the Laramie River, a tributary of the North Platte River;

(e) The apportionment made by the compact between the States of Nebraska and Colorado, apportioning the water of the South Platte River.

XIII. Any of the parties may apply at the foot of this decree for its amendment or for further relief. The Court retains jurisdiction of this suit for the purpose of any order, direction, or modification of the decree, or any supplementary decree, that may at any time be deemed proper in relation to the subject matter in controversy. Matters with reference to which further relief may hereafter be sought shall include, but shall not be limited to, the following:

(a) The question of the applicability and effect of the Act of August 9, 1937, 50 Stat. 564, 595-596, upon the rights of Colorado and

its water users when and if water hereafter is available for storage and use in connection with the Kendrick Project in Wyoming.

(b) The question of the effect upon the rights of upstream areas of the construction or threatened construction in down-stream areas of any project not now existing or recognized in this decree;

(c) The question of the effect of the construction or threatened construction of storage capacity not now existing on tributaries entering the North Platte River between Pathfinder Reservoir and Guernsey Reservoir;

(d) The question of the right to divert at or above the headgate of the Casper Canal any water in lieu of, or in exchange for, any water developed by artificial drainage to the river of sump areas on the Kendrick Project;

(e) Any question relating to the joint operation of Pathfinder, Guernsey, Seminoe and Alcova Reservoirs whenever changed conditions make such joint operation possible.

(f) Any change in conditions making modification of the decree or the granting of further relief necessary or appropriate.

XIV. The costs in this cause shall be apportioned and paid as follows: the State of Colorado one-fifth; the State of Wyoming two-fifths; and the State of Nebraska two-fifths. Payment of the fees and expenses of the Special Master has been provided by a previous order of this Court.

XV. The clerk of this Court shall transmit to the chief magistrates of the States of Colorado, Wyoming, and Nebraska, copies of this decree duly authenticated under the seal of this Court.

IN THE DISTRICT COURT OF THE UNITED STATES
FOR THE DISTRICT OF NEBRASKA
NORTH PLATTE DIVISION

UNITED STATES OF AMERICA, Plaintiff
vs.
WARDNER G. SCOTT, State Engineer and
Head of the Department of Roads and
Irrigation of the State of Nebraska, et al,
Defendants
Reconstruction Finance Corporation, a cor-
poration, Intervener

NO. 99 EQUITY

DECREE

This matter coming on for hearing upon the Mandate and the Opinion of the United States Circuit Court of Appeals for the Eighth Circuit, and the Supplemental Opinion of said Court, which Mandate

and Opinions were rendered in an appeal from the judgment heretofore entered in this cause, and which Mandate and Opinions are both duly filed in the office of the Clerk of this Court as part of the files in this proceeding, and the Court being duly advised in the premises finds:

That heretofore, this Court made certain findings of fact and reached certain conclusions of law which were duly made a part of the record of this cause, and in conformity to such findings of fact and conclusions of law, a Judgment was entered in this action. Thereafter, an appeal was taken by the plaintiff from the Judgment so entered herein, and exceptions were taken to some of the findings of fact and conclusions of law and upon hearing of said appeal, the United States Circuit Court of Appeals, on December 23, 1941, rendered an Opinion which, as above stated, is now on file herein, and subsequently on January 28, 1942, rendered a Supplemental Opinion on a Petition on re-hearing, which also is duly filed in this proceeding in this Court, and a Mandate was sent down to this Court wherein it was ordered that the Judgment of this Court on the first cause of action in the Bill of Complaint be and same was affirmed, and on the second cause of action it was ordered that the judgment be and the same was reversed, without costs to either party in said Court, and it was further ordered by said United States Circuit Court of Appeals that the cause be remanded to this court for proceedings not inconsistent with the Opinion of said Court.

The Court further finds that by its said Opinions and Mandate, the Circuit Court of Appeals for the Eighth Circuit sustained certain of the findings and conclusions of law, and sustained part of the Judgment heretofore entered herein, but modified, changed or reversed some of the findings of fact and conclusions of law, and reversed part of the Judgment heretofore entered herein.

Therefore, in conformity to said Opinions and said Mandate, which Opinions and Mandate, by reference, are made a part of this Decree, the Court at this time reaffirms the findings of fact heretofore made in this cause, and reaffirms the conclusions of law heretofore reached herein, except as such findings of fact and conclusions of law are modified, changed or reversed by the said Circuit Court of Appeals in its said opinion and Supplemental Opinion and the findings of fact heretofore made, and the conclusions of law heretofore reached by this Court, as modified, changed or reversed by the Circuit Court of Appeals in its said Opinion and Supplemental Opinion, are hereby adjudged, in conformity to the Mandate of said Circuit Court of Appeals, to be the findings of fact and the conclusions of law in this case.

In consideration of the premises and of the said Opinion of the Circuit Court of Appeals and of said Supplemental Opinion and said Mandate, it is hereby ORDERED, ADJUDGED AND DECREED that

the first cause of action stated in the plaintiff's Bill of Complaint be and the same is hereby dismissed.

As to the second cause of action stated in plaintiff's Bill of Complaint, it is ORDERED, ADJUDGED AND DECREED:

1. That the defendants, Scott and Willis, and their successors in office be and they hereby are, subject to any order hereafter made by this Court under the jurisdiction reserved herein, from permitting, authorizing or sanctioning, contrary to and in violation of the orders and directions of the United States, the diversion by the Farmers Irrigation District, its officers, agents or representatives, for the use and benefit of the lands in the district of the waste, drainage and seepage waters from the Interstate Division of the North Platte Project furnished and delivered into the main canal of said district. Said drainage and seepage water include specifically the waters flowing into or which may be diverted into the main canal of said district from the natural and artificial drainage works and the artificially improved natural drainage works known as Sheep Creek, Akers Draws, Dry Spotted Tail Creek, Wet Spotted Tail Creek, Tub Springs Creek, Alliance Draw and Moffit Draw.

2. That the defendant, Farmers Irrigation District, and the defendants, Leo Daniels, Otto Juergens, James Pickering and E. O. Daggett and their successors in office and their agents, servants or representatives be and they are hereby enjoined, subject to orders made hereafter by this Court pursuant to the reservation of jurisdiction hereinafter contained, from diverting in any manner the waste, drainage and seepage waters from the Interstate Division of the North Platte Project, more specifically described in the immediately preceding paragraph hereof, contrary to and in violation of the orders and directions of the United States.

3. The Court reserves jurisdiction of this cause for all matters contained in the second cause of action, for the purpose of exercising the power delegated by the Circuit Court of Appeals in relation thereto.

4. That a Writ of Injunction issue herein, enjoining and restraining the defendants, and each of them, their servants, agents, employees, successors and assigns, as hereinabove provided, but subject to conditions which may hereinafter be imposed in accordance with the jurisdiction herein reserved.

5. That the Clerk of the District Court of the United States for the District of Nebraska, North Platte Division, be, and she hereby is, directed to enter the judgment herein set forth in accordance herewith.

IT IS FURTHER ORDERED that each party pay its costs herein expended.

DATED THIS.....day of September, 1942.

.....
United States District Judge

COUNTY OF GARDEN, APPELLEE, v. GRACE SCHAAF ET AL., APPELLEES,
IMPLEADED WITH BOARD OF EDUCATIONAL LANDS AND FUNDS OF THE
STATE OF NEBRASKA, APPELLANT.

17 N.W. 2d 874

FILED MARCH 2, 1945. No. 31844.

1. **Waters and Watercourses.** Special annual assessments, regularly levied for the payment of irrigation district bonds, under the provisions of section 46-140, R.S. 1943, become a lien against the real estate in said district on and after October 1 in the year in which they are made.
2. ———. Under the provisions of section 46-1101, R. S. 1943, irrigation district bonds and the interest thereon are paid by revenue derived from successive annual assessment upon the real property in such irrigation district. All of such property shall remain liable for such annual assessments until the bonds have been paid.
3. ———. There is no provision in our law which makes the total amount of an outstanding issue of irrigation district bonds a lien upon the land in the district at the time such bonds are issued.

APPEAL from the district court for Garden county: CLAIBOURNE G. PERRY, JUDGE. *Reversed, with directions.*

Walter R. Johnson, Attorney General, H. Emerson Kokjer and Robert A. Nelson, for appellant.

R. H. Beatty, M. M. Maupin, Zelma Derry. E. E. Richards and H. J. Curtis, contra.

Heard before SIMMONS, C. J., PAINE, CARTER, MESSMORE, YEAGER, CHAPPELL and WENKE. JJ.

PAINE, J.

This is a tax foreclosure brought by Garden county on tax sale certificates purchased at private tax sale. The decree determined the amount due and directed the sale of the property as upon execution, and barred and foreclosed all defendants of all rights against said property or to levy any future assessments against the land in satisfaction of any outstanding bonds or warrants or judgments existing against the same. From this decree the Board of Educational Lands and Funds of the State of Nebraska appealed to this court.

The petition recites that, the taxes and assessments on certain real estate having become delinquent, said lands were advertised for sale by the county treasurer, offered at public sale, and unsold for want of bidders; that proper return having been made to the county clerk, the county board of plaintiff county, by proper resolution, purchased the same at private tax sale, and brings this action, not only on behalf of itself, but for the benefit of all governmental subdivisions entitled to participate in the distribution of the proceeds of the taxes and special assessments described in said tax certificate.

The Board of Educational Lands and Funds of the State of Nebraska was made one of many defendants. Several pages of the petition described in detail all of the circumstances relating to the issuance and sale of all of the bonds outstanding owned by the defendant Board, and alleged in the eleventh paragraph of said petition that such Board had no lien upon the real estate described therein.

To this petition the Board filed a demurrer, which was overruled. Therefore, the Board filed an answer, to which the plaintiff county filed a reply. Trial was had upon the issues thus joined.

The bill of exceptions shows that the North River Irrigation District, hereinafter called the District, was organized in 1919-1920, and was located along the North Platte river in Garden county. This irrigation district used water which was brought to its ditch through the Lisco ditch for some ten miles, and the North River Irrigation District proper began some eight miles west of Oshkosh and extended some five miles east along the North Platte river.

On April 1, 1920, the district issued \$120,000 worth of bonds, which were purchased by the defendant, Board of Educational Lands and Funds, hereinafter called the Board, for the permanent school fund of the state of Nebraska. On June 1, 1922, \$20,000 of additional bonds were issued, and purchased by the Board, and the District levied only small assessments to pay some of the interest due on the bonds, and on July 1, 1930, new refunding bonds were issued for \$140,000 principal and \$5,000 interest, bearing interest at the rate of 6 per cent. Only a little of the interest was paid on this new bond issue, and when the delinquent interest amounted to \$47,277 the whole issue of bonds was again refunded in the principal sum of \$192,277, the interest rate being cut to 2 per cent. Interest on these second refunding bonds was paid up to \$2,163.77, and at the time of trial in the district court in August, 1943, there was a total of \$30,785.53 interest due, and the court entered a decree February 23, 1944, that the total amount due the Board upon the bonds of said District is \$224,038.11, with interest at 6 per cent.

The amount found due the plaintiff on its tax sale certificate is \$5,255.27, with interest at 7 per cent, together with attorney's fees of 10 per cent of that amount.

The evidence discloses that during the last 15 years no water has been delivered through this ditch to the eastern portion of the district, nor to the western portion for the last eight years, and that in many places the county has filled up the ditch and taken out the bridges over it, and that years ago, the last time any operations were conducted, it cost at least \$1,000 a mile to clean out the ditch, and it is estimated that it would take \$50,000 to dig out the ditch and put the bridges and flumes in again.

The local banker testified that there has been no bona fide sale of lands located under the ditch for 10 or 15 years, and that the only

sales have been transfers through foreclosure or execution sales; that the hay meadow land under the ditch will produce half a ton of hay to the acre, and would be worth \$20 to \$30 an acre, and that there are about 500 acres of such hay land, while the farm land under the ditch is not worth over \$15 an acre on the average, and that the assessed valuation on all of the land under the ditch is far above its actual value.

By stipulation of the parties, the foreclosure proceeded upon the first cause of action, and it was agreed that the decision rendered in this case shall apply to the issues joined in the other eight cases, with a total of 78 causes of action; that the 78 tax certificates cover all of the land within the boundaries of the District, with five exceptions of small tracts, amounting to 51.7 acres, upon which the taxes have all been paid. Upon much of this land no taxes at all have been paid since 1920.

The appellant assigned as errors that the decree was contrary to law and the evidence; that the court erred in holding that through this action the county could cancel and annul the assessment of future levies for payment of this bonded indebtedness which were not due at the time of the commencement of this action.

It is stated by the parties to the case at bar that the exact question involved in this case has never been passed upon by our Court.

It should first be noted that this action was brought by Garden county under section 77-2040 and 77-2041, Comp. St. Supp. 1941, and that these two sections were repealed by L. B. No. 38, chapter 176, Laws 1943, p. 614, but that section 19 of said bill provides: "This act shall in no manner affect pending actions founded on or growing out of any statute repealed by this act." Therefore, this case will be disposed of in the same manner as though said sections of the statutes had not been repealed.

It appears that what is now sections 24-319 and 24-321, R. S. 1943, were amended in 1941 to provide how suit might be brought when the Board of Educational Lands and Funds of the state of Nebraska is the owner of any bonds of an irrigation district, and to provide for service of summons. This suit is brought in accordance with such amendments.

The fact that the Board is acting as trustee for the permanent school fund of the state and is the owner of bonds outstanding, places it in no different position than if the bonds were owned by a private purchaser.

The parties stipulated at the trial on August 13, 1943, that there was then past due and unpaid, of the last refunding issue, ten bonds in the face amount of \$10,000, and there was past due interest on all the bonds to the amount of \$30,785.53. However, the trial judge entered a finding in the decree rendered on February 23, 1944, that the total amount due to the Board on all of the Bonds, both those due and

those not yet due on the date of the decree, was the total sum of \$224,038.11, with interest thereafter at 6 per cent, and decreed in effect that this constituted a second lien against the land in the district, subject only to the lien of Garden county for general taxes and special assessments. The decree then barred the Board from any attempt to make further levies or assessments against the land in the district for the payment of outstanding bonds.

There is no question as to how the proceeds of a tax foreclosure sale brought by the county should be applied. Section 77-208 and 77-209, R. S. 1943, provide that general taxes are a first lien on real estate, and special assessments are subject to the lien of the general taxes. In the case of *Douglas County v. Shannon*, 125 Neb. 783, 252 N. W. 199, this court held: "The proceeds of a tax foreclosure sale, brought by the county, should be applied, first, to the payment of costs; second, to the payment in full of all general taxes of the state, county, school district, and other governmental subdivisions (Const. art. VIII, sec. 4), and the remainder, if insufficient to pay all special assessments, shall be prorated equitably upon all special assessments due on said real estate."

The appellant cites the case of *Alexander v. Bailey*, 108 Neb. 717, 189 N. W. 365, which is a suit on district paving bonds, and this court held that the statute contained no provision that such bonds shall be payable only out of the funds realized from assessments, and where such bonds purport on their face to be the general obligations of the city, the city is bound for their payment in the event the lien of the special assessments fails for any reason.

But it is different with an irrigation district organized under the existing laws of this state. Irrigation district bonds are general obligations of the district, payable out of special assessments to be levied upon the property in the district. When such assessments are regularly levied in accordance with statutory provisions, they become a lien against the specific real property against which they are assessed from and after October 1 in the year in which they are assessed, as provided in section 46-140, R. S. 1943. See *Erickson v. Nine Mile Irrigation District*, 109 Neb. 189, 190 N. W. 573.

The appellant in the case at bar insists that the school funds of this state were in good faith invested in these irrigation district bonds, and since the original purchase of bonds in 1922 no part of the principal investment has ever been paid, and only a small portion of the interest has been paid, in spite of the fact that the interest rate has been voluntarily reduced from 6 per cent per annum to 2 per cent, and that while, through this tax foreclosure, the lien against the property as to levies which have been made prior to the institution of the present action is discharged, the District is liable for the bonded indebtedness, and it is the duty of its officers to continue to make the levies in the future in order to discharge their legal obligations.

It is argued by appellee that the Nebraska supreme court has held that the purchaser under a tax sale foreclosure receives a new title in the nature of an independent grant by the sovereign authority, which title is free from any encumbrances, claims, or equities connected with the prior title, and the title is free from any claim or equity existing against it. *Coffin v. Old Line Life Ins. Co.*, 138 Neb. 857, 295 N. W. 884. See, also, *State ex rel. City of Great Falls v. Jeffries*, 83 Mont. 111, 270 Pac. 638; *Warren v. Blackman*, 62 S. D. 26, 250 N. W. 681.

This is a correct statement of the law. There is a special statute covering irrigation bonds (R. S. 1943, sec. 46-1,101), which provides: "Such bonds, and the interest thereon, shall be paid by revenue derived from an annual assessment upon the real property of the district and all the real property of the district shall be and remain liable to be assessed for such payments as herein provided, * * *." This provision appears to leave no doubt that the property in the irrigation district remains liable for the payment of assessments to be made in the future.

And, further, we find a definite provision in section 46-190, R. S. 1943, which provides that, even when an irrigation district is discontinued and all of its property is sold, "In case the amount realized from the sale of such district property, together with other money of the district, shall be insufficient for the payment of all the indebtedness of the district, assessments shall continue to be made against the lands included in the district in the manner provided by law for assessments to pay bonds and other indebtedness of irrigation districts, until a sufficient amount is raised to fully pay all obligations of such district."

In an opinion in the Eighth Circuit Court of Appeals, written by Judge Munger, it was held that, after reasonable efforts have been made to collect the first levy on an irrigation district, an additional levy can be made because of the failure of some taxpayers to pay the first levy, and this does not violate constitutional provisions for uniform taxation. *Norris v. Montezuma Valley Irrigation District*, 248 Fed. 369.

The only method by which these irrigation bonds can be paid is by revenue derived from successive annual assessments upon the real property within the district, as specifically provided in section 46-1,101, R. S. 1943. There is no provision in our laws which makes the total amount of such outstanding irrigation bonds a lien upon the land.

"The general rule is that taxes are not a lien unless expressly made so by statute or ordinance; and a statute to create a tax lien must expressly provide for the lien, or the implication must be so plain as to be equivalent to positive language. When liens are expressly created they are not to be enlarged by construction." 3 *Cooley, Taxation* (4th ed.) sec. 1230, p. 2451.

The decree entered in the district court in the instant case wrongly barred and foreclosed the defendant Board from ever seeking to compel the North River Irrigation District to voluntarily or other-

wise attempt to levy or assess future or further levies and assessments against the land in said district for the payment and satisfaction of any outstanding bonds, warrants or judgments against the same, or for any purpose whatsoever save and except maintenance and repairs.

As we have heretofore set out, neither the principal or interest due on these bonds, nor any part thereof, is a lien against the land in the district. Nor does a lien arise until the annual assessment and levy have been duly made in accordance with section 46-140, R. S. 1943.

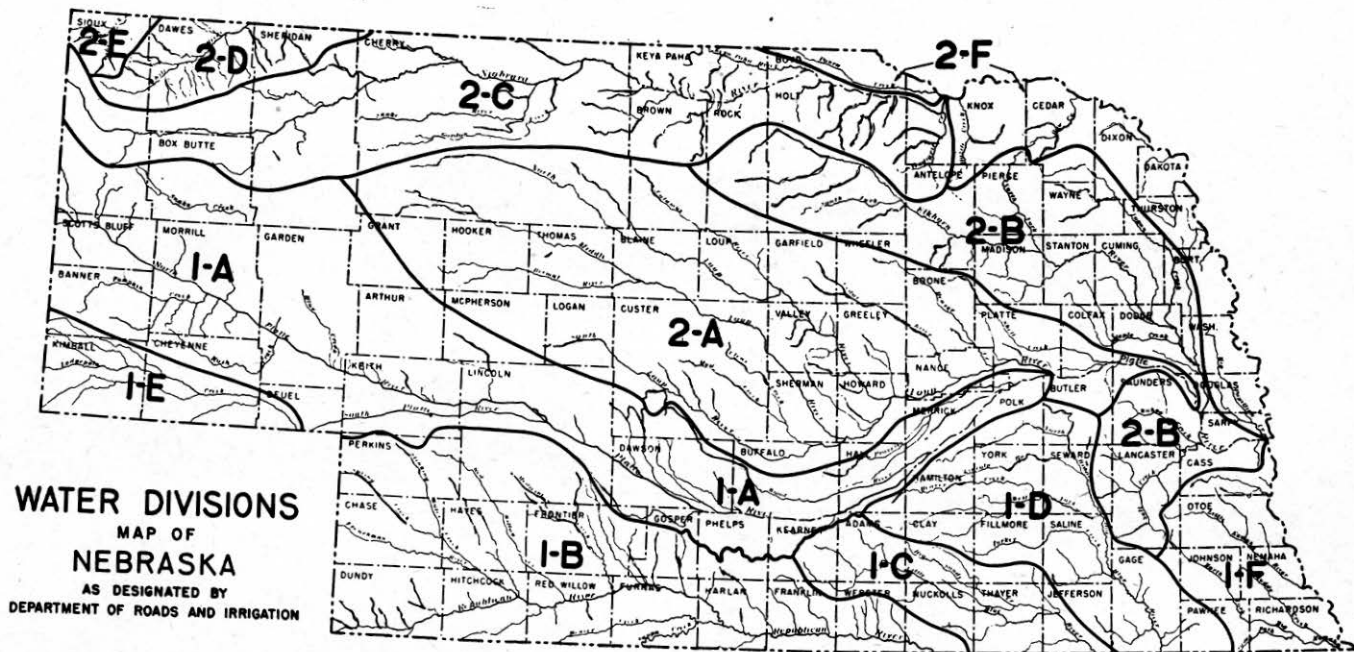
Plaintiff insists that, as little, if any, of the taxes on the land in this irrigation district have been paid for over 20 years, and as its assessed value is far in excess of its real value, no purchasers can ever be found unless the land can be sold free of the burden of the outstanding bonds, for which reason it will be practically and permanently removed from payment of the actual costs of government.

This court concedes that such a situation, if it should arise in the future, would be serious. However, where the application of the rules of law as appear in our statutes presents a situation which affects the public interests adversely, such a condition is a question for the legislature to either correct or provide a remedy, as it is beyond the function of the court.

For the reasons set out herein, the decree and judgment of the trial court are hereby reversed, and the district court is directed to enter judgment in accordance herewith.

REVERSED.

DIVISION OF STATISTICS



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

WATER DIVISIONS AND WATER DISTRICTS

WATER DIVISIONS; DENOMINATION

The State of Nebraska is hereby divided into two water divisions, denominated water division No. 1 and water division No. 2, respectively. (Revised Statutes, 1943, 46-215).

WATER DIVISION NO. 1. BOUNDARIES

Water division No. 1 shall consist of all the lands of 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. (Revised Statutes, 1943, 46-216).

WATER DIVISION NO. 2. BOUNDARIES

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 all other lands of the state not included in any other water division. (Revised Statutes, 1943, 46-217).

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	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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.....	Lobner, Karl.....	Lewellen.....	Gillard Canal.....	Irrig.....	1.43	3	16	42	Garden.....	Dec.	31	1890	812	---
Ash Creek.....	Rittenhouse, T. L.....	Lewellen.....	Pump.....	Irrig.....	.43	10	16	43	Garden.....	Oct.	22	1940	---	3305
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.....	Thoelke, O. H.....	North Platte.....	Beaucamp Canal.....	Irrig.....	3.00	15	15	33	Lincoln.....	Sept.	19	1894	677	---
Blue Creek.....	Union Irrig. and Water Power Company	Lewellen.....	Union Canal.....	Irrig.....	23.44	18	16	42	Garden.....	May	16	1890	763	---
Blue Creek.....	Union Irrig. and Water Power Company	Lewellen.....	Graf Canal.....	Irrig.....	1.20	19	16	42	Garden.....	May	16	1890	763R	---
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	---

BUREAU OF IRRIGATION

Blue Creek	Blue Creek Irrig. Dist.	Lewellen	Blue Creek Canal	Irrig.	185.71	33	17	42	Garden	Dec.	27	1893	785	—
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	—
Blue Creek	Blue Creek Irrig. Dist.	Lewellen	Blue Creek Canal	Irrig.	5.20	21	17	42	Garden	Sept.	27	1894	795	—
Blue Creek	Paisley Irrig. Dist.	Oshkosh	Paisley Canal	Irrig.	21.00	28	17	42	Garden	Nov.	29	1894	800	—
(No. Platte R.)	Robinson, A. A.	Gering	Midland-Overland Canal	O. D.	D-800	4	16	44	Garden	Nov.	20	1894	—	1742
Blue Creek	Paisley Irrig. Dist.	Oshkosh	Paisley Canal	Irrig.	4.00	28	17	42	Garden	July	14	1899	—	515
Blue Creek	Eggers, J. E.	Lewellen	Blue Creek Canal	Irrig.	.42	33	17	42	Garden	Jan.	4	1912	—	1154
Blue Creek	Paisley Irrig. Dist.	Oshkosh	Paisley Canal	Irrig.	3.30	28	17	42	Garden	Feb.	25	1924	—	1738
Blue Creek	Blue Creek Public Power and Irrig. Dist.	Lewellen	Blue Creek Reservoir	Storage		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	—	1808
Browns Creek	Haxby, George H.	Bridgeport	Haxberry Canal	Irrig.	.43	19	20	48	Morrill	July	17	1903	—	717
Buckhorn Spr.	The McGinley Land and Cattle Co.	Ogallala	Maddox Canal	Irrig.	2.28	8	14	36	Keith	Oct.	3	1908	—	918
Buffalo Creek	Kopf, Walter W.	Buffalo	Pump	Irrig.	.57	21	12	22	Dawson	Mar.	3	1926	—	1799
Buffalo Creek	Broe, John L.	Elm Creek	Pump	Irrig.	1.81	35	9	19	Dawson	Sept.	15	1926	—	1859
Buffalo Creek	Stryker, Abram I., Estate	Overton	Pump	Irrig.	1.62	18	9	19	Dawson	July	19	1927	—	1944
Buffalo Creek	Philpot, W. J.	Overton	Pump	Irrig.	3.33	28	9	19	Dawson	July	26	1927	—	1946
Buffalo Creek	The Union Central Life Insurance Co.	Grand Island	Pump	Irrig.	1.65	12	9	20	Dawson	Oct.	10	1927	—	1959
Buffalo Creek	Mitchell, Geo. E.	Elm Creek	Pump	Irrig.	2.16	36	9	19	Dawson	Feb.	20	1928	—	1985
Buffalo Creek	Potts, Dorothy, Est.	Elm Creek	Pump	Irrig.	2.22	4	8	18	Buffalo	Mar.	5	1928	—	1988
Buffalo Creek	Manger, B. F.	Elm Creek	Pump	Irrig.	2.21	4	8	18	Buffalo	Mar.	5	1928	—	1988R
Buffalo Creek	Ross, Julia A.	Elm Creek	Pump	Irrig.	.94	5	8	18	Buffalo	Apr.	30	1928	—	2012
Buffalo Creek	Wilson, Harry W.	Overton	Wilson Canal	Irrig.	2.29	18	9	19	Dawson	Nov.	12	1928	—	2052
Buffalo Creek	Ulrich, Maria A.	Elm Creek	Pump	Irrig.	.52	1	8	19	Dawson	Feb.	4	1929	—	2068
(See Mud Cr.)														
Buffalo Creek	Gilmore, Eliza A.	Murray	Pump	Irrig.	1.03	21	9	19	Dawson	Mar.	5	1929	—	2074

"R" Denotes relocation.

"O. D." Denotes optional diversion.

*Denotes Application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.			
						S	T	R	County	Mo.			D	Yr.	
Buffalo Creek.....	Manger, B. F.....	Elm Creek.....	Armstrong Canal.....	Irrig.....	.23	33	9	13	Buffalo.....	June	19	1929	—	2087	
Buffalo Creek.....	Phillips, Reber D.....	Omaha.....	Pump.....	Irrig.....	4.57	12	9	20	Dawson.....	July	13	1929	—	2089	
Buffalo Creek.....	Jensen, Peter E.....	Cozad.....	Pump.....	Irrig.....	1.00	21	12	22	Dawson.....	July	17	1929	—	2090	
Buffalo Creek.....	Kopf, Walter W.....	Buffalo.....	Kopf Reservoir.....	Storage.....	†189A	F	21	11	22	Dawson.....	Dec.	23	1930	—	2180
Buffalo Creek.....	Callender, Gladys.....	Lincoln.....	Pump.....	Irrig.....	18	9	19		Dawson.....	June	20	1940	—	3185*	
Buffalo Creek.....	Nebraska Mid-State Public P. and I. Dist.	Grand Island.....	Buckeye Valley Reser- voir	Storage.....	1	9	20		Dawson.....	Sept.	3	1943	—	3640*	
Bull Drain.....	Norris, Mrs. David.....	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. Est.....	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.....	Fairchild, Clarence H.....	Broadwater.....	Radcliffe Canal No. 3.....	Irrig.....	.76	27	18	48	Morrill.....	Feb.	14	1890	1034c	—	
Clear Creek.....	Wise, Ada M., and Brown, Retta Hooper	Evanston, Ill.....	Clear Creek Canal.....	Irrig.....	2.86	32	16	41	Keith.....	July	1	1888	748	—	
Clear Creek.....	Clear Creek Irrig. Co.....	Chappell.....	Barber Canal.....	Irrig.....	14.57	29	16	41	Keith.....	May	30	1893	754	—	
Clear Creek.....	Clark and Bairn.....	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.....	Harper Canal.....	Irrig.....	2.97	32	16	41	Keith.....	Apr.	15	1933	—	2316	
# Clear Creek.....	Houser, Laura.....	Columbus.....	Hegi Reservoir.....	Storage.....	†1.55A	F	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	—	2379
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 Reservoir	Storage		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
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.	Storage	†7000AF	21	20	44	Garden	Jan.	30	1920	—	1575
Crescent Lake Reservoir	Lake Water Carrying Company	Lewellen	Blue Creek Canal	Supple. I.	D-785	33	17	42	Garden	Jan.	30	1920	—	1575
				Supple. I.	D-795	33	17	42	Garden	Jan.	30	1920	—	1575
				Supple. I.	A-1154	33	17	42	Garden	Jan.	30	1920	—	1575
Crescent Lake Reservoir	Lake Water Carrying Company	Lewellen	Graf Canal	Supple. I.	D-788	19	16	42	Garden	Jan.	30	1920	—	1575
				Supple. I.	D-763R	19	16	42	Garden	Jan.	30	1920	—	1575
				Supple. I.	D-781R	19	16	42	Garden	Jan.	30	1920	—	1575
Crescent Lake Reservoir	Lake Water Carrying Company	Lewellen	Hooper Canal	Supple. I.	D-781	6	16	42	Garden	Jan.	30	1920	—	1575
				Supple. I.	D-788R	6	16	42	Garden	Jan.	30	1920	—	1575
Crescent Lake Reservoir	Lake Water Carrying Company	Lewellen	Paisley Canal	Supple. I.	D-800	28	17	42	Garden	Jan.	30	1920	—	1575
				Supple. I.	A-515	28	17	42	Garden	Jan.	30	1920	—	1575
				Supple. I.	A-1738	28	17	42	Garden	Jan.	30	1920	—	1575
Crescent Lake Reservoir	Lake Water Carrying Company	Lewellen	Crescent Lake Canal	Stor-only	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
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

†Reservoir capacity alleged by applicant.

*Denotes Application pending.

Supple. I. Denotes storage water in addition to direct flow.

Stor-only. Land does not have a direct flow appropriation.

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	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provisional Grant in	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						Sec.-ft.	S	T	R	County	Mo.		
Dugout Creek, Lower	Hecht, Tilford M.	Broadwater	Hagerty Canal	Irrig.	1.00	4	19	48	Morrill	Oct.	26	1912	1238
Dugout Creek, Lower	Hecht, Tilford M.	Broadwater	Klondyke Reservoir	Storage	†3.35AF	4	19	48	Morrill	July	11	1919	1547
Elm Creek	Scott, Natonia	Elm Creek	Pump	Irrig.	1.14	29	9	18	Buffalo	Jan.	28	1929	2066
Elm Creek	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Elm Creek Reservoir	Storage		35	10	19	Dawson	Sept.	3	1943	3641*
Elmore Res.	Kilpatrick Brothers	Beatrice	Kilpatrick North and South Canals	Supple. I. Stor-only	D-567	6	24	51	Box Butte	June	7	1911	1159
						6	24	51	Box Butte	June	7	1911	1159
Fawcus Springs	Oliver, John E.	Bridgeport	Oliver Canal	Irrig.	2.71	24	20	52	Morrill	Apr.	17	1933	2317
Gebauer Lake	Gebauer and Davis	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	39	Keith	Sept.	17	1895	160
Gravel (Sand) Creek	The McGinley Land and Cattle Co.	Ogallala	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.	Carmon, Margery	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

BUREAU OF IRRIGATION

Ground Water	Neil, Leo	Cozad	Neil Well	O. D.	D-627	33	10/23	Dawson	Feb.	18/1938	P204*	
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 C.	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		3163*
Ground Water	Kunz, James G.	Wood River	Kunz Wells	Irrig.		8	12/10	Hall	June	4/1940		3174*
						9	12/10	Hall	June	4/1940		3174*
						17	12/10	Hall	June	4/1940		3174*
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	Hall	June	17/1940		3182*
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 Well	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, Wilhelmina	Morrill	Kamann Well	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 Well	Irrig.		33	10/13	Buffalo	Dec.	6/1940		3342*

†Reservoir capacity alleged by applicant.
 Supple. I. Denotes storage water in addition to direct flow.
 Stor-only. Land does not have a direct flow appropriation.
 *Denotes Application pending.
 "O. D." Denotes optional diversion.

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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	Arbuckle, Roy	Kearney	Arbuckle Wells	Irrig.		28	9	15	Buffalo	Dec.	12	1940	3352*	
						21	9	15	Buffalo	Dec.	12	1940	3352*	
						29	9	15	Buffalo	Dec.	12	1940	3352*	
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,	Shelby Well	Irrig.		16	13	30	Lincoln	Jan.	18	1941	3371*	
Ground Water	Fleenor, Shelby E.	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.		29	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, Jas. 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.	Omaha	Wilson-Prudential Well	Irrig.		9	9	19	Dawson	July	25	1941	3462*	
Ground Water	The Prudential Ins. Co.	Omaha	Radford-Prudential Wells	Irrig.		19	8	14	Kearney	July	25	1941	3463*	
Ground Water	The Prudential Ins. Co.	Omaha	Scott-Prudential Well	Irrig.		4	9	14	Buffalo	July	25	1941	3464*	
Ground Water	The Prudential Ins. Co.	Omaha	Mahr-Prudential Well	Irrig.		7	9	20	Dawson	July	25	1941	3465*	
Ground Water	The Prudential Ins. Co.	Omaha	Ralston-Prudential Well	Irrig.		4	11	25	Dawson	July	25	1941	3466*	

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Ground Water	The Prudential Ins. Co.	Omaha	Schultze-Prudential Well	Irrig.	25	11	22	Dawson	July	25	1941	3467*	
Ground Water	The Prudential Ins. Co.	Omaha	Smith-Prudential 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	Harold R. Robbins Well	Irrig.	13	10	13	Buffalo	Sept.	10	1941	3501*	
Ground Water	Robbins, Maude M.	Los Angeles	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*	
Ground Water	Robbins, G. H.	Shelton	Robbins Well	Irrig.	33	10	13	Buffalo	Mar.	3	1944	3693*	
Ground Water	Nielsen, E. M.	Columbus	Nielsen Well	Irrig.	1	16	1	Polk	May	12	1944	3727*	
Ground Water	Fouts, F.	Central City	Fouts Well No. 2	Irrig.	20	14	6	Merrick	Oct.	5	1944	3773*	
Ground Water	Fouts, F.	Central City	Fouts Well No. 3	Irrig.	17	14	6	Merrick	Oct.	5	1944	3774*	
Ground Water	Clough, Charles E. and Estes, Elsie	Minatare	Clough Well	Irrig.	30	25	47	Box Butte	Nov.	7	1944	3782*	
Ground Water	Otto, Harvey E. and Son	Phillips	Otto Well	Irrig.	11	10	8	Hamilton	Dec.	12	1944	3787*	
Ground Water	Rugger, C. Roy	Scottsbluff	Rugger Well	Irrig.	10	13	7	Merrick	Mar.	5	1945	3811*	
Ground Water	Neilson, Mrs. Mary A.	Big Springs	Neilson Well	Irrig.	31	13	41	Deuel	Mar.	29	1945	3815*	
Ground Water	Stuart, Wilfred V.	Lexington	Stuart Well	Irrig.	3	9	21	Dawson	June	5	1945	3837*	
Ground Water	Spencer, N. B.	Morrill	Spencer Well	Irrig.	36	24	57	Sioux	Apr.	8	1946	3890*	
Ground Water	Robbins, Gordon H.	Shelton	Robbins Wells	Irrig.	15	9	13	Buffalo	Apr.	29	1946	3897*	
Ground Water	Vieregg, Eva B.	Grand Island	Vieregg Well	Irrig.	4	10	11	Hall	May	7	1946	3901*	
Ground Water	Vieregg, Eva B.	Grand Island	Vieregg Well	Irrig.	34	10	12	Hall	May	7	1946	3902*	
Ground Water	Vieregg, Eva B.	Grand Island	Vieregg Well	Irrig.	34	10	12	Hall	May	7	1946	3903*	
Ground Water	Weldon, Ella M., Est.	Lincoln	Weldon Well No. 2	Supple. I.	A-3493	30	10	11	Hall	June	10	1946	3914*
Ground Water	Spencer, George S.	Gibbon	Spencer Well No. 1	Irrig.	9	9	14	Buffalo	July	11	1946	3924*	
Ground Water	Spencer, George S.	Gibbon	Spencer Well No. 2	Irrig.	18	9	13	Buffalo	July	11	1946	3925*	
Ground Water	Swanson, August	Kearney	Swanson Wells	Irrig.	32	9	15	Buffalo	July	27	1946	3932*	

*Denotes Application pending.

Supple. I. Denotes storage water in addition to direct flow.

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

Source	Appropriator or Operator	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	Swanson, August	Kearney	Swanson Wells	Irrig.		9	9	14	Buffalo	July	27	1946	3933
Horse Creek	Mihan, John, Estate	Lyman	State Line Canal	Irrig.	10.00	33	23	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 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 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	Mfg.	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
Jacobson Res.	Jacobson, Carl A.	Riverdale	Pump	Supple. I.	A-1038	36	10	17	Buffalo	Feb.	3	1920	3870
				Stor-only		6	10	16	Buffalo	Feb.	3	1920	3870
				Stor-only		36	10	17	Buffalo	Feb.	3	1920	3870
Kingsley Res. (Lake C. W. McConaughy)	The Central Nebraska Public Power and Irrigation District	Hastings	Tri-County Canal	Supple. P.	1500.000AF	8	13	29	Lincoln	July	28	1941	3475
					A-2354	8	13	29	Lincoln	July	28	1941	3475
					A-3474	8	13	29	Lincoln	July	28	1941	3475
Kingsley Res. (Lake C. W. McConaughy)	The Central Nebraska Public Power and Irrigation District	Hastings	Tri-County Canal	Supple. I.	A-2355	8	13	29	Lincoln	July	28	1941	3476
				Stor-only	A-2355	8	13	29	Lincoln	July	28	1941	3476

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Kingsley Res. (Lake C. W. McConaughy)	The Central Nebraska Public Power and Irrigation District	Hastings	Tri-County Canal	Stor-only	8	13	29	Lincoln	July	28	1941	3620	
Kingsley Res. (Lake C. W. McConaughy)	The Central Nebraska Public Power and Irrigation District	Hastings	Tri-County Supply Canal	Stor-only	8	13	29	Lincoln	July	28	1941	3823	
Kingsley Res. (Lake C. W. McConaughy)	The Central Nebraska Public Power and Irrigation District	Hastings	Tri-County Supply Canal	Supple. P.	A-2354	8	13	29	Lincoln	July	28	1941	3948*
Kingsley Res. (Lake C. W. McConaughy)	The Central Nebraska Public Power and Irrigation District	Hastings	Tri-County Supply Canal	Supple. I.	A-2355 et al	8	13	29	Lincoln	July	28	1941	3960*
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	53	Scotts Bluff	Oct.	13	1901	641
Kiowa Creek	Kellums, John H.	Morrill	Kellums Canal No. 2	Irrig.	.06	1	22	53	Scotts Bluff	Nov.	29	1907	880
Kopf Reservoir	Kopf, Walter	Buffalo	Pump	Supple. I. Stor-only	A-1799	21	12	22	Dawson	Dec.	23	1930	2181
						21	12	22	Dawson	Dec.	23	1930	2181
Lawrence Fork	Randall, Wm. H.	Bridgeport	Laing Canal	Irrig.	.50	23	18	52	Morrill	Dec.	31	1886	825
Lawrence Fork	Gilman and Crigler	Redington	Redington Canal	Irrig.	.57	36	19	52	Morrill	Oct.	9	1889	820
Lawrence Fork	Lindberg, Fred R., Est.	Bridgeport	Crigler Canal	Irrig.	.57	1	13	52	Morrill	Sept.	11	1891	861
Lawrence Fork	Nelson, Robert P.	Bridgeport	Spring Branch Canal	Irrig.	1.00	11	13	52	Morrill	Oct.	23	1891	862
Lawrence Fork	Nelson, Robert P.	Bridgeport	Spring Branch Canal	Irrig.	.50	11	18	52	Morrill	May	1	1893	893
Lawrence Fork	Lindberg, Fred R., Est.	Bridgeport	Crigler Canal	Irrig.	1.43	1	18	52	Morrill	Nov.	25	1898	486
Lawrence Fork	Varah, James R.	Bridgeport	Niehus Canal	Irrig.	.86	11	18	52	Morrill	Mar.	23	1900	550
Lawrence Fork	Niehus and Nelson	Bridgeport	Spring Branch Canal	Irrig.	1.43	11	18	52	Morrill	May	27	1902	669
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

*Denotes application pending.

Supple. I. Storage water in addition to direct flow.

Stor-only. Land does not have a direct flow appropriation.

Supple. P. Storage water in addition to direct flow.

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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	Niehus and Nelson	Bridgeport	Crigler (Hopeful a) Canal	Irrig.	.44	1	18	52	Morrill	Apr.	19	1930	—	2135
Lawrence Fork	Niehus-Nelson, et al.	Bridgeport	Hopeful b Canal	Irrig.	.99	1	18	52	Morrill	Apr.	19	1930	—	2135
Lawrence Fork	Nelson, Robert P.	Bridgeport	Spring Branch Canal	Irrig.	.58	11	18	52	Morrill	Sept.	30	1935	—	2560
Loneragan Creek	Soehl, Herman H.	Lemoyne	Soehl Canal	Irrig.	2.00	17	15	39	Keith	May	10	1889	697a	—
Loneragan Creek	Jacobs, Lee, Estate	Lemoyne	Loneragan Canal	Irrig.	9.15	17	15	39	Keith	May	25	1889	699	—
Loneragan Creek	Soehl, Herman H.	Lemoyne	Soehl Canal	Irrig.	.86	17	15	39	Keith	Apr.	27	1893	697b	—
Loneragan Creek	Stansbery, Elvina	Lemoyne	Haney Canal	Irrig.	1.14	17	15	39	Keith	July	1	1893	719	—
Lost Creek	Campbell, Wm. N.	Oshkosh	Pump	Irrig.	1.69	11	17	44	Garden	Dec.	23	1929	—	2118
Mathews Creek	Mathews, Benj. G., Est.	Keystone	Mathews Canal	Irrig.	1.14	28	15	37	Keith	Apr.	1	1895	750	—
McDowell Drain Ditch	McDowell, F. C.	Gothenburg	Pump	Irrig.	.55	7	10	24	Dawson	Dec.	29	1944	—	3790
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	Morrill	Oct.	19	1936	—	2646
Mud Creek (See Buffalo Cr.)	Ulrich, Maria A.	Elm Creek	Pump	Irrig.	4.20	1	8	19	Dawson	Feb.	4	1929	—	2068
Nealy Springs	Covington, Paul H.	Morrill	Covington Pipe Line	Irrig.	.06	11	23	58	Scotts Bluff	Mar.	27	1933	—	2311
Nealy Springs	Nealy, Daisy	Eugene, Ore.	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 Co. Drain. Dist. 1, Ditch 2)	Reimers, Oscar	Grand Island	Pump	O. D.	D-635	30	14	31	Lincoln	May	31	1884	—	2459

(Lincoln Co. Drain Dist. 1, Ditch 1)	Frame, Rolland	Hershey	Pump	O. D.	D-635	21	14	32	Lincoln	May	31	1884	—	2694
North Platte R.	Farmers Irrig. Dist.	Scottsbluff	Tri-State 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	—
(Alliance Drain Feeder)	Farmers Irrig. Dist.	Scottsbluff	Tri-State Canal	O. D.	D-918	18	22	53	Scotts Bluff	Sept.	16	1887	P139*	—
(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	—	1393
(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*	—
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	—
(Minatare Drain)	Redding, Louise	Minatare	Minatare Drain Lateral	O. D.	D-919	3	21	53	Scotts Bluff	Jan.	14	1888	P265	—
(Taylor Drain)	Oberlies, L. C.	Tacoma	Oberlies Canal	O. D.	D-919	3	21	53	Scotts Bluff	Jan.	14	1888	—	2502
North Platte R.	Winters Creek Canal Co.	Scottsbluff	Winters Creek Canal	Irrig.	124.29	17	22	55	Scotts Bluff	Oct.	18	1888	952	—

"O. D." Denotes optional diversion.

"R" Denotes relocation.

*Denotes petition pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
(Winters Creek)	Winters Creek Canal Co.	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.	138.63	27	33	57	Scotts Bluff	Mar.	28	1889	920
(Akers or Nel- son Draw)	Enterprise Irrig. Dist.	Scottsbluff	Nelson Draw Canal	O. D.	D-920	13	23	57	Scotts Bluff	Mar.	28	1889	1200
(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	P236
(Toohey Drain)	Fanning, Leo T.	Mitchell	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	2400
North Platte R.	Castle Rock Irrig. Dist.	McGrew	Castle Rock Canal	Irrig.	82.57	3	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.	270.00	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	1456
(Cedar Creek)	Bridgeport Irrig. Dist.	Bridgeport	Cedar Creek Feeder	O. D.	D-828	23	18	48	Morrill	Dec.	19	1889	1397
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
North Platte R.	Sheridan, J. Wake, Est.	Paxton	Sheridan-Wilson Canal	Irrig.	10.00	19	14	35	Keith	Oct.	9	1890	710
North Platte R.	Chimney Rock Irrig. District	Bayard	Chimney Rock Canal	Irrig.	60.00	1	20	53	Scotts Bluff	Dec.	3	1890	844
North Platte R.	Empire Canal Company	Bridgeport	Empire Canal	Irrig.	28.57	18	20	51	Morrill	June	25	1891	858
(Anderson Seep)	Clarke, M. G.	Okmulgee	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.	Browns Creek Irrigation District	Bridgeport	Browns Creek Canal	Irrig.	188.71	29	20	50	Morrill	Jan.	20	1892	857
												1031	
												1033	

North Platte R. (Bayard Sugar Factory Drain)	Alliance Irrig. Dist.	Bridgeport	Alliance Canal	Irrig.	100.00	5	20	52	Morrill	Dec.	26	1892	874	} --- 1035
(Red Willow Cr.)	Alliance Irrig. Dist.	Bridgeport	Alliance Canal	O. D.	D-874	5	20	52	Morrill	Dec.	26	1892	---		1776
North Platte R.	Ramshorn Irrig. Dist.	Morrill	Ramshorn Canal	Irrig.	45.71	13	23	53	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 Dr.)	Nine Mile Irrig. Dist.	Bayard	Nine Mile Canal	Irrig.	200.00	18	21	53	Scotts Bluff	Dec.	6	1893	925	---
(Red Willow Cr.)	Nine Mile Irrig. Dist.	Bayard	Nine Mile Canal	O. D.	D-925	10	21	53	Scotts Bluff	Dec.	6	1893	---	1431
North Platte R.	Belden, Robert O.	Bayard	Pump	O. D.	D-925	32	21	51	Morrill	Dec.	6	1893	P262	---
North Platte R.	Cody L. and C. 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	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	---
North Platte R.	Faxton-Hershey Water Company	Hershey	Faxton-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. (Lincoln Co.)	Suburban Irrig. Dist.	North Platte	Suburban Canal	Irrig.	183.00	12	14	33	Lincoln	May	22	1894	662	---
Drain. Dist 1, Ditch 1)	Evans, R. V.	Wallace	Pump	O. D.	D-662	26	14	31	Lincoln	May	22	1894	---	2638
(Lincoln Co. Drain. Dist 1, Ditch 2)	Suburban Irrig. Dist.	North Platte	Suburban Canal	O. D.	D-662	29	14	31	Lincoln	May	22	1894	---	2648
(Lincoln Co. Drain. Dist 1, Ditch 2)	Evans, R. V.	Wallace	Pump	O. D.	D-662	26	14	31	Lincoln	May	22	1894	P198	---
(Lincoln Co. Drain. Dist 1, Ditch 1)	Suburban Irrig. Dist.	North Platte	Suburban Canal	O. D.	D-662	25	14	32	Lincoln	May	22	1894	P213	---
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	---

"O. D." Denotes optional diversion.

"R" Denotes relocation.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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.	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	—
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 L. and C. Co.	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.	13.40	4	21	54	Scotts Bluff	Oct.	22	1895	—	186
North Platte R.	Castle Rock Irrig. Dist.	Melbeta	Castle Rock Canal	Irrig.	1.60	3	21	54	Scotts Bluff	Oct.	22	1895	—	186R
North Platte R.	No. River Irrig. Canal and W. P. Co.	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. Dist.	Melbeta	Steamboat Canal	Irrig.	.71	4	21	54	Scotts Bluff	July	22	1896	—	350
North Platte R.	Castle Rock Irrig. Dist.	Melbeta	Castle Rock Canal	Irrig.	.15	3	21	54	Scotts Bluff	July	22	1896	—	350R
North Platte R.	Gering Irrig. Dist.	Gering	Gering Canal	Irrig.	208.87	4	23	58	Scotts Bluff	Mar.	15	1897	—	365
North Platte R.	Schermerhorn Irrig. Co.	Bridgeport	Schermerhorn Canal	Irrig.	29.71	16	20	51	Morrill	Oct.	25	1897	—	418
(Camp Clark Seep and Red Willow Cr.)	Schermerhorn Irrig. Co.	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	—	P226
North Platte R.	Farmers Irrig. Dist.	Scottsbluff	Tri-State Canal	Irrig.	600.00	3	23	58	Scotts Bluff	Apr.	14	1902	—	660
North Platte R.	Dept. of the Interior U. S. B. R.	Denver, Colo.	Pathfinder Reservoir	Stor. and Irrig.	†1,070,000	34	29	84	Wyoming	Sept.	19	1904	—	768

BUREAU OF IRRIGATION

North Platte R.	Pathfinder Irrig. Dist.	Mitchell	Interstate Canal	Irrig.	1572.00	10	26	65	Wyoming	Sept.	19	1904	768
North Platte R.	Northport Irrig. Dist.	Bridgeport	Interstate-Tri-State Canal	Irrig.	230.00	10	26	65	Wyoming	Sept.	19	1904	768
North Platte R.	Gering & Fort Laramie Irrigation Dist.	Gering	Fort Laramie Canal	Irrig.	784.00	10	26	65	Wyoming	Sept.	19	1904	768
North Platte R.	Leibhardt 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, Calif.	Dobson Canal	Irrig.	3.14	5	20	52	Morrill	Feb.	28	1912	1181
(Red Willow Creek)	Dobson, Mary E.	Monrovia, Calif.	Dobson Canal	O. D.	A-1181	12	20	51	Morrill	Feb.	28	1912	1432
North Platte R.	Stone, Myron H.	San Diego	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.	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 Co.	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 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.	No. Platte Water Dept.	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	P216
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 Rk. Irrig. Dist.	Bayard	Chimney Rock Canal	Irrig.	.67	1	20	53	Scotts Bluff	Feb.	2	1931	2190
North Platte R.	Glasgow, Anna	Gering	Fort Laramie Canal	Irrig.	2.11	11	26	65	Wyoming	July	19	1933	2336
North Platte R.	Platte Valley Public Power and Irrig. Dist.	North Platte	Sutherland Reservoir	Storage	†140,000	2	14	38	Keith	Jan.	13	1934	2359
North Platte R.	Platte Valley Public Power and Irrig. Dist.	North Platte	Sutherland Regulator Reservoir	Storage	†6000AF	2	14	38	Keith	Jan.	13	1934	2352

"R" Denotes Relocation.
 "O. D." Denotes optional diversion.
 †Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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.	Platte Valley Public Power and Irrig. Dist.	North Platte	Sutherland Canal	Power	975.00	2	14	38	Keith	Jan.	13	1934	2353	
North Platte R.	Platte Valley Public Power and Irrig. Dist.	North Platte	Sutherland Canal	Power Incr. Hd.	A-2353	2	14	38	Keith	Sept.	19	1936	2640	
North Platte R.	Platte Valley Public Power and Irrig. Dist.	North Platte	Sutherland Reservoir	Storage	†150,000 AF	2	14	38	Keith	Feb.	8	1934	2361	
North Platte R.	The Central Nebraska Public P. and I. Dist.	Hastings	Kingsley Reservoir	Storage	†2,000,000 AF	15	33		Keith	Apr.	27	1934	2374	
North Platte R.	Cooper, Wm. Miller	Gering	Fort Laramie Canal	Irrig.	1.46	11	26	65	Wyoming	May	5	1934	2378	
North Platte R.	Butler, J. A.	Gering	Fort Laramie Canal	Irrig.	.99	11	26	65	Wyoming	Mar.	23	1940	3123	
North Platte R.	Platte Valley Public Power and Irrig. Dist.	North Platte	Keystone Reservoir	Storage	†1300AF	2	14	38	Keith	Sept.	12	1940	3263	
North Platte R.	Gering & Fort Laramie Irrigation Dist.	Gering	Fort Laramie Canal	Irrig.		11	26	65	Wyoming	June	16	1944	3734*	
North Platte R., Springs, Trib to	Gatch, Neil M.	Melbeta	Gatch Canal	Irrig.	.93	25	21	54	Scotts Bluff	Aug.	21	1912	1220	
Otter Creek	Felt, Elmer G., et al.	Lemoyne	Otter Creek Canal	Irrig.	3.30	5	15	40	Keith	Apr.	1	1891	1032	
Otter Creek	Otter Creek Mutual Irrigation Co.	Lemoyne	Otter Creek Canal	Irrig.	10.71	5	15	40	Keith	May	24	1912	1198	
Otter Creek	Otter Creek Mutual Irrigation Co.	Lemoyne	Otter Creek Canal	Irrig.	1.32	5	15	40	Keith	Nov.	6	1912	1240	
Otter Creek	Otter Creek Mutual Irrigation Co.	Lemoyne	Otter Creek 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	

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Pathfinder Res.	Beerline Canal Co.	Broadwater	Beerline Canal	Supple. I.	D-387	24	19	49	Morrill				
Pathfinder Res.	Browns Cr. Irrig. Dist.	Bridgeport	Browns Creek Canal	Supple. I.	D-857	29	20	50	Morrill				
					D-1033	29	20	50	Morrill				
Pathfinder Res.	Central Irrig. Dist.	Gering	Central Canal	Supple. I.	D-926	27	22	55	Scotts Bluff				
Pathfinder Res.	Chimney Rk. Irrig. Dist.	Bayard	Chimney Rock Canal	Supple. I.	D-844	1	20	53	Scotts Bluff				
					D-1031	1	20	53	Scotts Bluff				
Pathfinder Res.	Farmers Irrig. Dist.	Scottsbluff	Tri-State Canal	Supple. I.	D-918	3	23	58	Scotts Bluff				
					A-660	3	23	58	Scotts Bluff				
Pathfinder Res.	Gering Irrig. Dist.	Gering	Gering Canal	Supple. I.	A-365	4	23	58	Scotts Bluff				
Pathfinder Res.	Gering & Fort Laramie Irrig. Dist.	Gering	Fort Laramie Canal	Supple. I.	A-768	10	26	65	Wyoming				
Pathfinder Res.	Northport Irrig. Dist.	Bridgeport	Interstate-Tri-State Canal	Supple. I.	A-768	10	26	65	Wyoming				
Pathfinder Res.	Pathfinder Irrig. Dist.	Mitchell	Interstate Canal	Supple. I.	A-768	10	26	65	Wyoming				
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	Hadley, Orley J.	Brady	Janssen Canal	Irrig.	8.42	20	13	27	Lincoln	Aug.	31	1931	2231
Pawnee Creek	Murphy, Milton C.	North Platte	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	Buffalo	Sept.	10	1882	1023
(Kearney Tail Race)	Peaker, Howard	Kearney	Pump	O. D.	D-1023	11	8	16	Buffalo	Sept.	10	1882	1744
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Gothenburg Canal	Irrig.	12.00	19	12	26	Lincoln	July	5	1890	645a
				Power	188.00	19	12	26	Lincoln	July	5	1890	645a
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	7.00	18	10	23	Dawson	June	14	1894	621
(Dawson Co. Drain. Dist. No. 1)	Murray, J. E.	Lincoln	Pump	O. D.	D-621	1	9	22	Dawson	June	14	1894	P201

† Reservoir capacity alleged by applicant.

* Denotes application pending.

Supple. I. Storage water in addition to direct flow.

"O. D." Denotes optional diversion.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Platte River.....	Platte Valley Public Power and Irrig. Dist.	North Platte..	Dawson County Canal.....	Irrig.....	1142.86	18	10	23	Dawson.....	June	26	1894	622	—
(Buffalo Creek).....	Savins, Richard T.....	Lexington.....	Pump.....	O. D.....	D-622	22	10	21	Dawson.....	June	26	1894	—	1495
(Buffalo Creek).....	Doughty, Mrs. Ida.....	Lexington.....	Pump.....	O. D.....	D-622	21	10	21	Dawson.....	June	26	1894	—	1648
(Buffalo Creek).....	Hodgson, Martha.....	Lexington.....	Pump.....	O. D.....	D-622	33	10	20	Dawson.....	June	26	1894	—	1868
Platte River.....	Platte Valley Public Power and Irrig. Dist.	North Platte..	Dawson County Canal.....	Irrig.....	43.43	18	10	23	Dawson.....	Sept.	15	1894	624	—
(Dawson Co. Drain. Dist. No. 1)	Rosenberg Brothers.....	Lexington.....	Pump.....	O. D.....	D-624	14	9	21	Dawson.....	Sept.	15	1894	—	2129
(Ground Water)	Beatty, Henry M.....	Lexington.....	Well.....	O. D.....	D-624	20	9	20	Dawson.....	Sept.	15	1894	—	2281
(Ground Water)	Beatty, H. T.....	Overton.....	Well.....	O. D.....	D-624	19	9	20	Dawson.....	Sept.	15	1894	—	2513
(Strever Creek)	Jurgenson, John.....	Overton.....	Pump.....	O. D.....	D-624	35	9	20	Dawson.....	Sept.	15	1894	—	2049
Platte River.....	Platte Valley Public Power and Irrig. Dist.	North Platte..	Gothenburg Canal.....	Irrig.....	240.00	19	12	26	Lincoln.....	Sept.	22	1894	645b	—
(Pedens Lake)	Bean, Smith and Good..	Cozad.....	Excell Canal.....	O. D.....	D-645b	12	11	23	Dawson.....	Sept.	22	1894	—	1860
Platte River.....	Six Mile Ditch Co.....	Gothenburg..	Six Mile Canal.....	Irrig.....	40.00	11	11	26	Lincoln.....	Oct.	22	1894	680	—
Platte River.....	Cozad Ditch Company..	Cozad.....	Cozad Canal.....	Irrig.....	359.86	16	11	25	Dawson.....	Dec.	23	1894	626	—
Platte River.....	South Side Irrig. Co.....	Cozad.....	Orchard-Alfalfa Canal.....	Irrig.....	85.00	9	10	24	Dawson.....	Jan.	23	1895	627	—
Platte River.....	Consumers P. P. Dist....	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.....	Orchard-Alfalfa Canal.....	Irrig.....	.80	9	10	24	Dawson.....	Oct.	20	1925	—	1784
Platte River.....	Johnson, P. L.....	Hastings.....	Pump.....	Irrig.....	2.56	1	8	13	Buffalo.....	Feb.	13	1926	—	1796
Platte River.....	Hagge, Fred, et al.....	Grand Island..	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
Platte River.....	Gruber, Otto J.....	Cozad.....	Orchard-Alfalfa Canal.....	Irrig.....	.75	9	10	24	Dawson.....	Nov.	2	1926	—	1870
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
Platte River	Schulz, Louis F.	Brady	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, Wm. G.	Overton	Pump	O. D.	A-2039	27	9	20	Dawson	Oct.	3	1928	2101
Platte River	Thirty Mile Canal Co.	Gothenburg	Thirty Mile Canal	Irrig.	4.57	30	12	26	Lincoln	Apr.	9	1929	2077
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	2.03	18	10	23	Dawson	Aug.	3	1929	2093
Platte River	Moles, Harold	Elm Creek	Elm Creek Canal	Irrig.	.97	6	8	19	Dawson	Aug.	3	1929	2093R
Platte River	Elm Creek Ditch Co.	Elm Creek	Elm Creek Canal	Irrig.	226.43	6	8	19	Dawson	Sept.	17	1929	2104
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
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Irrig.	14.21	18	10	23	Dawson	June	14	1930	2145
(Dawson Co. Drain. Dist. No. 1)	Sheldon, Mrs. O. N.	Lexington	Pump	O. D.	A-2145	11	9	21	Dawson	June	14	1930	P197
Platte River	Eavey, W. J.	Hastings	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
Platte River	The Central Nebraska Public P. and I. Dist.	Hastings	Tri-Co. Supply Canal	Irrig.	1171.00	8	13	29	Lincoln	Jan.	13	1934	2355
			Phelps Canal			2	8	21	Gosper	Jan.	13	1934	2355
			Adams County Canal			17	8	15	Buffalo	Jan.	13	1934	2355
Platte River	The Central Nebraska Public P. and I. Dist.	Hastings	Plum Creek Reservoir	Storage	†509,000	8	13	29	Lincoln	Apr.	27	1934	2351
					AF								
Platte River	The Central Nebraska Public P. and I. Dist.	Hastings	Tri-County Canal	Power	1500.00	3	13	29	Lincoln	Apr.	27	1934	2354
Platte River	The Central Nebraska Public P. and I. Dist.	Hastings	Tri-County Canal	Power Incr. Hd.	A-2354	8	13	29	Lincoln	July	28	1941	3474
Platte River	Tyler, Floyd	Chapman	Pump	Irrig.	.96	2	12	7	Merrick	May	17	1940	3163

"R" Denotes relocation.
 "O. D." Denotes optional diversion.
 † Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Mo.			D	Yr.
Platte River	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Lower Mid-State Canal	Irrig.....		11	8	16	Buffalo	Aug.	30	1943	3633*
Platte River	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Upper Mid-State Canal	Irrig.....		31	9	20	Dawson	Aug.	30	1943	3634*
Platte River	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Mid-State Reservoir Systems	Storage.....		31	9	20	Dawson	Sept.	3	1943	3638*
Platte River	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Upper Prairie Creek Reservoir No. 2	Storage.....		11	8	16	Buffalo	Sept.	3	1943	3643*
Platte River	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Wood River Plant	Power.....		31	9	20	Dawson	Sept.	11	1943	3645*
			Buckeye Plant No. 1	Power.....		6-7	8	20					
			Upper Prairie Creek Plant	Power.....		31	9	20	Dawson	Sept.	11	1943	3648*
Platte River	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Odessa Plant	Power.....		6-7	8	20					
Platte River	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Buckeye Plant No. 2	Power.....		11	8	16	Buffalo	Sept.	17	1943	3651*
Platte River	Platte Valley Public Power and Irrig. Dist.	North Platte	Gothenburg Canal	Irrig.....	43.67	19	12	26	Dawson	Apr.	20	1944	3716
Platte River	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Elm Creek Section of the Mid-State Reser- voir System	Storage.....		36	9	21	Dawson	May	11	1944	3725*
						2	8	21					
Platte River	North Gothenburg Pub- lic P. and I. Dist.	Gothenburg	North Gothenburg Canal	Irrig.....		24	13	29	Lincoln	Jan.	22	1945	3797*
Platte River	North Gothenburg Pub- lic P. and I. Dist.	Gothenburg	Roten Reservoir	Storage.....		24	13	29	Lincoln	Jan.	22	1945	3798*
Platte River, Ravine, Trib. to	Harvey, Henry M.	Gothenburg	Harvey Reservoir	Storage.....	†35AF	28	9	17	Buffalo	Sept.	28	1937	2791
Platte River, Ravine, Trib. to	Johnson, Glenn A.	Holdrege	Johnson Reservoir	Storage.....		28	6	19	Phelps	Sept.	1	1944	3760

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Platte River, Ravine, Trib. to	Walter, Orville L.	Kearney	Walter Reservoir	Storage		27	9	17	Buffalo	Nov.	12	1944	3784
Platte River, Ravine, Trib. to	Cover, Noel	Cozad	Cover Reservoir	Storage	†160AF	11	12	24	Dawson	Jan.	23	1945	3799
Platte River, Ravine, Trib. to	Lauby, M. J.	Lexington	Lauby Reservoir	Storage	†32AF	18	9	22	Dawson	Feb.	8	1946	3873
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	Pump	Irrig.	.33	5	7	21	Gosper	Mar.	14	1935	2527
Prairie Creek	MacQueen, Glen D.	Silver Creek	Pump	Irrig.	7.89	29	16	3	Merrick	Sept.	8	1931	2235
Prairie Creek	Santin, Henry	Palmer	Pump	Irrig.	.36	24	15	6	Merrick	Sept.	5	1939	2958
Prairie Creek	Prochaska, Wm.	Palmer	Pump	Irrig.	.53	25	16	5	Nance	Sept.	1	1941	3380
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	19	54	Banner	June	1	1887	916
Pumpkinseed Cr.	Olsen, Mrs. 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.	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	843
Pumpkinseed Cr.	Sweet, S. R., Estate	Ft. Collins	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.	Bridgeport	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	19	56	Banner	Jan.	24	1903	698
						1	19	55	Banner	Jan.	24	1903	698

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

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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, Harold	Gering	Scott Reservoir	Stor. and Irrig.	1.31	7	19	55	Banner	June	24	1903	—	711
Pumpkinseed Cr.	Seybolt, Floyd	Lincoln	Court House Rk. 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, Sigsby S.	Omaha	Pump	Irrig.	1.68	25	19	53	Banner	Dec.	20	1929	—	2117
Pumpkinseed Cr.	Reuter, Leonard	Bridgeport	Court House Rk. 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
Pumpkinseed Cr.	Schnell, E. George	Harrisburg	Schnell Canal	Irrig.	.76	1	19	56	Banner	Oct.	27	1942	—	3588
Pumpkinseed Cr.	Rodgers, Bert	Lincoln	Rodgers Canal	Irrig.	1.80	9	19	54	Banner	Oct.	23	1944	—	3777
Pumpkinseed Cr.	Ehrman, George	Gering	Pump	Irrig.	.82	18	19	53	Banner	Nov.	6	1945	—	3859
Pumpkinseed Cr.	Rodgers, Bert	Lincoln	Rodgers Canal	Irrig.	.26	9	19	54	Banner	Jan.	8	1946	—	3863
Pumpkinseed Cr.	Rodgers, Bert	Lincoln	Wright Canal	Irrig.	1.41	5	19	54	Banner	Jan.	8	1946	—	3864
Red Willow Cr.	Dobson, Mary E.	Monrovia, Calif.	Dobson Canal	Irrig.	2.00	12	20	51	Morrill	Sept.	10	1915	—	1432
Red Willow Cr.	Dobson, Mary E.	Monrovia, Calif.	Dobson Canal	Irrig.	.57	12	20	51	Morrill	Nov.	3	1915	—	1436
Rowe Drain Ditch	Olnhausen, Fred	Cozad	Pump	Irrig.		32	10	23	Dawson	May	10	1946	—	3905*
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, Margaret	Dalton	Schuetz Canal	Irrig.	.21	28	18	50	Morrill	May	10	1892	881	—
Schuppe Cr. E.	Schuppe, Carl	Henry	Schuppe Canal No. 2	Irrig.		3	23	58	Scotts Bluff	June	17	1946	—	3918

Schuppe Cr., W.	Schuppe, Carl	Henry	Schuppe Canal No. 1	Irrig.		323	58	Scotts Bluff	June	17	1946	3917		
Scott Res.	Gifford, Harold	Gering	Scott Canal	Supple. I.	A-711	7	19	55	Banner	June	24	1903	711	
Sheep Creek	Nash, Charles A.	Morrill	Little Moon Canal	Irrig.	1.00	10	24	58	Sioux	Mar.	23	1904	745	
Sheep Creek	Covert, Pitt	Cheney, Wyo.	Nebraska Reservoir Canal	Irrig.	3.57	36	27	58	Sioux	May	18	1907	859	
Sheep Creek	Carpenter-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-Broadbent	Morrill	Horse Camp Reservoir	Irrig.	.43	36	27	58	Sioux	Jan.	20	1908	885	
Sheep Creek	Sheep Creek Lateral Co.	Morrill	Sheep Creek Lateral	Irrig.	.10	8	23	57	Scotts Bluff	Feb.	26	1912	1176	
Sheep Cr., Trib. to Skunk Creek	Sheep Creek Lateral Co.	Morrill	Sheep Creek Lateral	Irrig.	.28	8	23	57	Scotts Bluff	Feb.	20	1915	1403	
Skunk Creek	Knight, H. H.	Keystone	Miller Canal	Irrig.	2.28	1	14	37	Keith	Apr.	1	1895	740	
Skunk Creek	The McGinley Land and Cattle Co.	Ogallala	Skunk Creek Canal	Irrig.	5.00	6	14	36	Keith	Nov.	5	1909	968	
Slough, Warm	Johnson, Abram M., Estate	Gibbon	Pump	Irrig.	.50	30	9	13	Buffalo	Feb.	20	1923	1797	
Snake Creek	Kilpatrick Brothers	Beatrice	Oasis Canal	Irrig.	54.86	6	24	51	Box Butte	June	6	1894	567	
Snake Creek	Kilpatrick Brothers	Beatrice	Elmore Reservoir	Storage	†2300A	F	1	24	52	Box Butte	June	7	1911	1104
South Platte R.	Paloucek, Joe, et al	Ogallala	Hollingsworth Canal	Irrig.	4.70	12	13	39	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.	Faxton Irrig. Dist.	Paxton	Paxton Canal	Irrig.	70.19	1	13	38	Keith	Nov.	22	1926	1874	
South Platte R.	Contryman, C. L.	Ogallala	Hollingsworth Canal	Irrig.		12	13	39	Keith	Mar.	16	1938	2848*	

†Reservoir capacity alleged by applicant.

** 120.00 second-feet stipulated in Colorado-Nebraska compact.

"R" Denotes Relocation.

*Denotes application pending.

Supple. I. Storage water in addition to direct flow.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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.	Platte Valley Public Power and Irrig. Dist.	North Platte.	North Platte Plant	Power	500.00	8	13	36	Keith	Mar.	29	1943	3601
South Platte R.	Peterson, Oscar J.	Ogallala	Hollingsworth Canal	Irrig.		7	13	38	Keith	Mar.	17	1944	3700*
South Platte R.	Burnett, Jesse M., et al	Hershey	Burnett Canal	Irrig.		32	14	33	Lincoln	Apr.	5	1945	3822*
Spotted Tail, Dry	Great Western Sugar Company	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	713
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
Spring Branch	Brogan Bros.	Keystone	Brogan Canal	Irrig.	.57	35	15	37	Keith	Sept.	24	1897	410
Spring Branch	Barden, Wm. E.	Bridgeport	Pump	Irrig.	.89	11	18	52	Morrill	June	17	1929	2086
Spring Creek	Otter Creek Mutual Irrigation Co.	Lemoyne	Spring Creek Canal	Irrig.	.57	12	15	40	Keith	June	18	1894	724
Spring Creek	U. P. Railroad Company	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	The Cooperative Re- finery 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., Estate	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
Spring Cr., Little	Hawkins, Ardis	Keystone	Hawkins Canal	Irrig.	1.31	29	15	37	Keith	Apr.	8	1939	2914
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	Garrelts, Ervin	Cozad	Pump	Irrig.	1.00	30	12	23	Dawson	Apr.	11	1927	1924
Strever Creek	Siebenaler, Mat	Overton	Pump	Irrig.	2.31	6	8	19	Dawson	Nov.	22	1927	1969
Strever Creek	Beatty, Mrs. Harry T.	Overton	Beatty Canal	Irrig.	1.13	18	9	20	Dawson	June	3	1929	2053
(Dawson Co. Drain. Dist. No. 1)	Beatty, Mrs. Harry T.	Overton	Pump	O. D.	A-2083	18	9	20	Dawson	June	3	1929	2777*
Strever Creek	Peterson, P. R.	Lexington	Pump	Irrig.	1.11	18	9	20	Dawson	Aug.	8	1929	2094
Strever Creek	Beatty, Esther	Overton	Bend Canal	Irrig.	1.63	36	9	20	Dawson	Aug.	26	1929	2099
Strever Creek	Jurgenson, Henry, Est.	Overton	Pump	Irrig.	1.03	35	9	20	Dawson	May	7	1931	2202
Strever Creek	Gardner and Garrelts	Cozad	Pump	Irrig.	.90	30	12	23	Dawson	Oct.	8	1941	3516
Strever Creek	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Buckeye Valley Reservoir	Storage	20	9	20		Dawson	Sept.	3	1943	3639*
Sutherland Res.	Platte Valley Public Power and Irrig. Dist.	North Platte	Sutherland Canal	Supple. P.	†54,000AF	16	13	33	Lincoln	Mar.	8	1937	2710
					A-2353	16	13	33	Lincoln	Mar.	8	1937	2710
					A-2640	16	13	33	Lincoln	Mar.	8	1937	2710
Sutherland Res.	Platte Valley Public Power and Irrig. Dist.	North Platte	Cozad Canal	Supple. I.	D-626	16	11	25	Dawson	Mar.	31	1937	2726
				Stor-only		16	11	25	Dawson	Mar.	31	1937	2726
Sutherland Res.	Platte Valley Public Power and Irrig. Dist.	North Platte	Dawson County Canal	Supple. I.	D-621	18	10	23	Dawson	Mar.	31	1937	2726
				Supple. I.	D-622	18	10	23	Dawson	Mar.	31	1937	2726
				Supple. I.	D-624	18	10	23	Dawson	Mar.	31	1937	2726
				Supple. I.	A-2039	18	10	23	Dawson	Mar.	31	1937	2726
				Supple. I.	A-2093	18	10	23	Dawson	Mar.	31	1937	2726
				Supple. I.	A-2110	18	10	23	Dawson	Mar.	31	1937	2726
				Supple. I.	A-2145	18	10	23	Dawson	Mar.	31	1937	2726
				Supple. I.	A-2262	18	10	23	Dawson	Mar.	31	1937	2726
				Stor-only		18	10	23	Dawson	Mar.	31	1937	2726
Sutherland Res.	Platte Valley Public Power and Irrig. Dist.	North Platte	Elm Creek Canal	Supple. I.	A-2104	6	8	19	Dawson	Mar.	31	1937	2726
				Supple. I.	A-1859	6	8	19	Dawson	Mar.	31	1937	2726
				Supple. I.	A-1985	6	8	19	Dawson	Mar.	31	1937	2726
				Supple. I.	A-1988	6	8	19	Dawson	Mar.	31	1937	2726

†Reservoir capacity alleged by applicant.

"O. D." Denotes optional diversion.

*Denotes application pending.

Supple. P. Storage water in addition to direct flow.

Supple. I. Storage water in addition to direct flow.

Stor-only. Land does not have a direct flow appropriation.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in	Location of			Date of		Doc. No.	App. No.	
						Sec.-ft.	S	T	R	County			Mo.	D	Yr.
Sutherland Res.	Platte Valley Public Power and Irrig. Dist.	North Platte	Elm Creek Canal	Supple. I.	A-2012	6	8	19	Dawson	Mar.	31	1937	2726
				Supple. I.	A-2066	6	8	19	Dawson	Mar.	31	1937	2726
Sutherland Res.	Platte Valley Public Power and Irrig. Dist.	North Platte	Gothenburg Canal	Supple. I.	A-2068	6	8	19	Dawson	Mar.	31	1937	2726
				Supple. I.	D-645a	19	12	26	Lincoln	Mar.	31	1937	2726
Sutherland Res.	Platte Valley Public Power and Irrig. Dist.	North Platte	Kearney Canal	Supple. I.	D-645b	19	12	26	Lincoln	Mar.	31	1937	2726
				Supple. I.	A-3717	19	12	26	Lincoln	Mar.	31	1937	2726
Sutherland Res.	Platte Valley Public Power and Irrig. Dist.	North Platte	Orchard-Alfalfa Canal	Supple. I.	D-1023	3	8	18	Buffalo	Mar.	31	1937	2726
				Stor-only	D-1023	3	8	18	Buffalo	Mar.	31	1937	2726
Sutherland Res.	Platte Valley Public Power and Irrig. Dist.	North Platte	Six Mile Canal	Supple. I.	D-627	9	10	24	Dawson	Mar.	31	1937	2726
				Supple. I.	D-680	11	11	26	Lincoln	Mar.	31	1937	2726
Sutherland Res.	Platte Valley Public Power and Irrig. Dist.	North Platte	Thirty Mile Canal	Supple. I.	A-1853	30	12	26	Lincoln	Mar.	31	1937	2726
				Supple. I.	A-1976	30	12	26	Lincoln	Mar.	31	1937	2726
				Supple. I.	A-2077	30	12	26	Lincoln	Mar.	31	1937	2726
				Stor-only		30	12	26	Lincoln	Mar.	31	1937	2726
				Supple. I.	A-1784	30	12	26	Lincoln	Mar.	31	1937	2726
Sutherland Res.	Platte Valley Public Power and Irrig. Dist.	North Platte	Gothenburg Canal	Supple. I.	A-1870	30	12	26	Lincoln	Mar.	31	1937	2726
				Supple. I.	A-3716	19	12	26	Dawson	Mar.	31	1937	3717
Turkey Creek, and Kearney Tail Race	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Lower Buffalo, Hall and Merrick County Canal	Irrig.		11	8	15	Buffalo	Aug.	30	1943	3935*
White Horse Cr.	Hollingsworth, Clark A.	Ogallala	Lamplough Lake	Irrig.	2.86	8	14	30	Lincoln	Dec.	31	1883	658
White Horse Cr.	Peterson, James C.	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.	The McGinley Land and Cattle Co.	Ogallala	McCarthy Canal	Irrig.	1.00	36	15	38	Keith	July	15	1890	749	—
White Tail Cr.	The McGinley Land and Cattle Co.	Ogallala	Halloway-Phelps Canal	Irrig.	3.86	36	15	38	Keith	June	1	1893	717	—
White Tail Cr.	Keystone Irrig. Co.	Keystone	Keystone Canal	Irrig.	8.00	26	15	38	Keith	Oct.	30	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-682b	31	15	37	Keith	Apr.	26	1902	—	P185
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	Storage		13	13	34	Lincoln	Jan.	24	1941	—	3378*
Willow Creek	Banner County Bank	Harrisburg	Willow Springs Canal	Irrig.	.57	16	19	56	Banner	Jan.	21	1902	—	650
Willow Creek	Banner County Bank	Harrisburg	Willow Springs Canal	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, Margaret	Paxton	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.	.93	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 Company	Scottsbluff	Scottsbluff Factory	Mfg.	15.00	19	22	54	Scotts Bluff	Oct.	4	1920	—	1592
Winters Creek	Cook, John B.	Scottsbluff	Cook Power Plant	Power		4	22	54	Scotts Bluff	Apr.	12	1945	—	3826*
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 Insurance Company	Cincinnati, Ohio	White Bridge Park	Irrig.	.03	8	9	15	Buffalo	Mar.	14	1900	—	545a
Wood River	Union Central Life Insurance Company	Cincinnati, Ohio	White Bridge Park	Power	10.00	8	9	15	Buffalo	Mar.	14	1900	—	545b
Wood River	Jacobson, C. A.	Riverdale	Jacobson Canal	Irrig.	.50	31	10	16	Buffalo	Nov.	10	1910	—	1038
Wood River	Kimbrough, Cora	Shelton	Kimbrough Canal	Irrig.	4.00	36	10	13	Buffalo	Sept.	21	1912	—	1227

Supple. I. Storage water in addition to direct flow.
 Stor-only. Land does not have a direct flow appropriation.
 *Denotes application pending.
 "O. D." Denotes optional diversion.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.			
						Sec.-ft.	S	T	R	County			Mo.	D	Yr.
Wood River	Jacobson, C. A.	Riverdale	Jacobson Reservoir	Storage	†3000AF	31	10	16	Buffalo	Feb.	3	1920	1576		
Wood River	Haug, James, Estate	Shelton	Pump	Irrig.	.64	9	9	13	Buffalo	Sept.	7	1920	1590		
Wood River	Peterson, Christianna	Shelton	Pump	Irrig.	1.07	10	9	13	Buffalo	July	11	1921	1611		
Wood River	Nutter, M. D.	Shelton	Pump	Irrig.	2.28	8	9	13	Buffalo	Aug.	29	1921	1616		
Wood River	Rodgers, J. H., Estate	Gibbon	Pump	Irrig.	.30	14	9	14	Buffalo	Feb.	4	1922	1641		
Wood River	Nebr. Conf. Ass'n. of Seven Day Adventists	Shelton	Pump	Irrig.	2.28	31	10	12	Hall	Feb.	16	1922	1643		
Wood River	Haug, James, Estate	Shelton	Pump No. 2	Irrig.	.92	9	9	13	Buffalo	Feb.	28	1922	1644		
Wood River	Hallen, Hjalmar	Kearney	Hallen Reservoir	Storage	†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	Pump	Irrig.	1.37	18	10	11	Hall	May	22	1922	1668		
Wood River	Howe, Lloyd M.	Wood River	Pump	Irrig.	.54	17	10	11	Hall	July	14	1922	1679		
Wood River	Wilson, C. C.	Omaha	Pump	Irrig.	1.21	14	9	15	Buffalo	Nov.	15	1922	1693		
Wood River	Smith, Evan F.	Shelton	Pump	Irrig.	1.04	1	9	13	Buffalo	Jan.	12	1923	1702		
Wood River	Ross, W. M.	Gibbon	Pump	Irrig.	.26	13	9	14	Buffalo	Apr.	28	1924	1743		
Wood River	Slater, Selmar	Riverdale	Pump	Irrig.	1.76	36	10	17	Buffalo	Dec.	2	1924	1753		
Wood River	Richardson, Frank	Gibbon	Pump	Irrig.	.49	13	9	14	Buffalo	Sept.	8	1925	1780		
Wood River	Wilcox, Eva C.	Gibbon	Pump	Irrig.	.90	8	9	13	Buffalo	Jan.	22	1926	1793		
Wood River	Nutter, John N., Est.	Gibbon	Pump	Irrig.	.70	8	9	13	Buffalo	Feb.	10	1926	1794		
Wood River	First Trust Co., et al	Lincoln	Pump	Irrig.	2.57	14	9	14	Buffalo	Feb.	23	1926	1797		
						6	9	14	Buffalo	Feb.	23	1926	1797		
Wood River	Langan, Thos.	Wood River	Pumps	Irrig.	1.14	19	10	11	Hall	Mar.	19	1926	1800		
Wood River	McConnell, Sadie I., et al	Gibbon	Pump	Irrig.	3.43	7	9	13	Buffalo	Apr.	21	1926	1805		
Wood River	Mercer, Howard R.	Gibbon	Pump	Irrig.	.80	9	9	14	Buffalo	May	25	1926	1814		
Wood River	Oliver Brothers	Shelton	Pump	Irrig.	1.57	2	9	13	Buffalo	June	15	1926	1818		
Wood River	Carlson, Carl E.	Shelton	Pump	Irrig.	1.10	35	10	13	Buffalo	July	19	1926	1830		
Wood River	Hayman, Mrs. O. O.	Shelton	Pump	Irrig.	.57	4	9	13	Buffalo	July	20	1926	1831		
Wood River	Power and Son	Gibbon	Pump	Irrig.	.41	13	9	14	Buffalo	July	24	1926	1851		

Wood River	Schnoor, Jacob	Amherst	Pump	Irrig.	.80	16	10	17	Buffalo	Oct.	18	1926	1867
Wood River	Oliver, Henry E., Jr.	Shelton	Pump	Irrig.	.86	9	9	13	Buffalo	Feb.	29	1928	1987
Wood River	Nickel, Emil	Kearney	Pump	Irrig.	1.95	12	9	16	Buffalo	July	16	1930	2148
Wood River	Abels, Carl H.	Amherst	Pump	Irrig.	1.23	6	10	17	Buffalo	Jan.	10	1931	2186
Wood River	Nye, Kate D.	Kearney	Pump	Irrig.	.28	10	9	16	Buffalo	Sept.	11	1937	2785
Wood River	Thornton, S. Cary	Kearney	Pump	Irrig.	.42	9	9	15	Buffalo	Apr.	17	1939	2915
Wood River	Czenkusch, Carl	Amherst	Pump	Irrig.	.15	25	11	18	Buffalo	May	22	1939	2924
Wood River	Conklin, Grace L.	Lincoln	Pumps	Irrig.	2.09	4	11	8	Merrick	Apr.	29	1940	3145
									Merrick	Apr.	29	1940	3145
Wood River	Belschner, Howard E.	Amherst	Pump	Irrig.	.12	16	10	17	Buffalo	July	24	1940	3212
Wood River	Huffstutter, W. F.	Kearney	Pump	Irrig.	.78	9	9	15	Buffalo	Sept.	17	1940	3267
Wood River	Sharp, Earl H.	Broken Bow	Pump	Irrig.	.83	12	9	16	Buffalo	Sept.	50	1940	3273
Wood River	Cunningham, S. S.	Riverdale	Pump	Irrig.	.26	31	10	16	Buffalo	Oct.	14	1940	3294
Wood River	Conklin, Grace L.	Lincoln	Pumps	Irrig.	1.86	5	11	8	Merrick	Oct.	30	1940	3314
									Merrick	Oct.	30	1940	3314
Wood River	Nebraska Mid-State Public P. and I. Dist.	Grand Island	Wood River Reservoir	Storage		4	9	16	Buffalo	Sept.	3	1943	3642*
Wood River	Snyder, Ray A.	Kearney	Pump	Irrig.	.39	10	9	15	Buffalo	Apr.	4	1944	3709
Wood River	Weber, Carl	Kearney	Pump	Irrig.	1.56	11	9	16	Buffalo	Oct.	15	1945	3856
Wood River	Richter, Lawrence	Kearney	Pump	Irrig.		13	9	16	Buffalo	Apr.	1	1946	3886
Wood River	Travis, Thomas C., Jr.	Kearney	Pump	Irrig.		5	9	16	Buffalo	May	27	1946	3911
Wood River, Ravine, Trib. to	Randall, Otis	Gibbon	Randall Reservoir	Storage	†44A	6	9	14	Buffalo	July	29	1944	3746

† Reservoir capacity alleged by applicant.

* Denotes Application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Mo.			D|Yr.
Askey Lake	Pleas, Walter P., Est.	Oxford	Pump	Irrig.	2.31	5	3	21	Furnas	Jan.	4	1930	2120
Beaver Creek	Weber, John, Estate	Lebanon	Pump	Irrig.	1.43	17	1	26	Red Willow	Aug.	8	1930	2156
Beaver Creek	Fletcher, G. W.	Beaver City	Pump	Irrig.	.43	24	2	23	Furnas	Aug.	8	1933	2342
Beaver Creek (See Sappa Cr.)	Beaver-Sappa Public P. and I. District	Stamford	South Beaver Canal	Irrig.		23	2	23	Furnas	Dec.	14	1936	2671a*
Beaver Creek (See Sappa Cr.)	Beaver-Sappa Public P. and I. District	Stamford	North Beaver Canal	Irrig.		23	2	23	Furnas	Dec.	14	1936	2671a*
Beaver Creek (See Sappa Cr.)	Beaver-Sappa Public P. and I. District	Stamford	Beaver Reservoir	Storage		23	2	23	Furnas	Dec.	14	1936	2672a*
Beaver Creek	Gallatin, Bryan J. and John E.	Danbury	Pump	Irrig.	.88	24	1	28	Red Willow	Oct.	8	1937	2796
Beaver Creek	Puelz, Robert A. and Lowell V.	Danbury	Pump	Irrig.	.71	24	1	28	Red Willow	Apr.	1	1938	2857
Beaver Creek	Morris, James E.	Lebanon	Pump	Irrig.	.64	11	1	26	Red Willow	May	10	1939	2920
Beaver Creek	Van Matre, James C.	Beaver City	Pump	Irrig.	.96	13	2	23	Furnas	Jan.	10	1941	3366
Beaver Creek	Downing, Amy C.	Los Angeles	Pump	Irrig.	.43	16	2	22	Furnas	Jan.	21	1941	3373
Beaver Creek	Williams, Mary E.	Grand Island	Pumps	Irrig.	.70	28	2	23	Furnas	Sept.	15	1941	3505
Beaver Creek	Oxford, Delbert G.	Beaver City	Pump	Irrig.		21	2	23	Furnas	May	4	1942	3563
Beaver Creek	Becker, Bernard	Beaver City	Pump	Irrig.	.09	18	2	22	Furnas	Aug.	15	1942	3582
Beaver Creek	DeMay, Rollo O.	Danbury	Pump	Irrig.	1.77	15	2	22	Furnas	Jan.	9	1945	3793
Beaver Creek	Marble, Vernon L.	Beaver City	Pump	Irrig.	2.74	23	1	28	Red Willow	Mar.	14	1946	3884
Beaver Creek, Ravine, Trib. to	Garey, Raymond R.	Beaver City	Garey Reservoir	Storage	.30	24	2	23	Furnas	Oct.	14	1939	2986
Beaver Creek, Ravine, Trib. to	Ackerman, G. W.	Beaver City	Campbell Reservoir	Storage	†161.5AF	12	2	22	Furnas	July	23	1941	3459
Beaver Creek, Ravine, Trib. to	Furnas Co. Comm.	Beaver City	Van Cleave Reservoir	Storage	†126AF	7	2	22	Furnas	May	31	1945	3836

Beaver Creek, Ravine, Trib. to	Gallatin, B. J.	Danbury	Gallatin Reservoir	Storage	†361AF	13	1	23	Red Willow	Feb.	28	1946	3876	
Bell Creek	Bell, J. F.	Superior	Valley Reservoir	Storage	†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 Creek)	Sughrue, Edward	Indianola	Pump	Irrig.	.64	15	3	27	Red Willow	Aug.	16	1932	2280	
Blackwood Cr.	Barth, Mrs. Lydia	Culbertson	Pump	Irrig.	.47	33	4	31	Hitchcock	Apr.	27	1940	3143	
Blackwood Cr.	Barth, Mrs. Lydia	Culbertson	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	
Broeker Res.	Broeker, Gezema M.	Arapahoe	Broeker Canal	Stor-only			4	3	22	Furnas	Dec.	10	1940	3535
Brown Reservoir	Brown, Floyd T.	Stamford	Brown Canal	Stor-only			4	1	21	Furnas	Apr.	29	1941	3434
Buffalo Creek	Larned, Wm. H., et al.	Haigler	Allen-Larned Canal	Irrig.	6.00	18	1	40	Dundy	Oct.	16	1890	117	
Buffalo Creek	Jenkins, Carrol C.	Haigler	Jenkins Canal No. 1	Irrig.	4.57	18	1	40	Dundy	Dec.	12	1908	924	
Buffalo Creek	North Republican Irrigation District	McCook	Buffalo Creek Canal	Irrig.		20	1	40	Dundy	Jan.	22	1946	3868c*	
Bushy Creek	Young, Lee	Maywood	Young Canal	Irrig.	.20	33	8	29	Frontier	Apr.	5	1927	1921	
Bushy Creek	Russell, G. E.	Maywood	Pump	Irrig.	1.50	33	8	29	Frontier	Oct.	31	1940	3319	
Campbell Res.	Ackerman, G. W.	Beaver City	Campbell Canal	Stor-only		22	2	22	Furnas	July	23	1941	3460	
Cannon Res.	Cannon, Elmer	Benkelman	Cannon Canal	Stor-only			2	37	Dundy	Feb.	5	1943	3596*	
Center Creek	Blank and Norton	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	3034	
Center Creek	Versaw, Willie K. and F. F.	Franklin	Pump	Irrig.	.18	27	2	15	Franklin	June	1	1940	3169	
Cook Creek	Haskell, John G., et al.	Alma	Cook Creek Canal	Irrig.	.57	33	2	18	Harlan	July	21	1917	1491	

*Denotes application pending.

†Reservoir capacity alleged by applicant.

Stor-only. Land does not have a direct flow appropriation.

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Mo.			D|Yr.
Cottonwood Cr.	Worden, Jennie	Superior	Worden Lake	Resort	750AF	11	1	3	Nuckolls	Nov.	25	1938	2897
Cottonwood, Lit.	Gardner, C. D.	Bloomington	Gardner Canal	Irrig.	1.14	6	1	15	Franklin	Mar.	20	1922	1647
Cottonwood, Lit.	Koelmel, John	Bloomington	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	Gilham, Sarah C.	Red Cloud	Pump No. 1	Irrig.		6	1	10	Webster	Mar.	6	1946	3878
Crow Reservoir	Crow, Clark	Oxford	Crow Canal	Stor.-only		19	3	20	Harlan	Nov.	20	1940	3548
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	Pump	Irrig.	.27	36	8	28	Frontier	Apr.	19	1927	1927
Deep Creek	Murdoch, Chas. B.	Orleans	Pump No. 2	Irrig.	.65	22	3	20	Harlan	Sept.	18	1928	2030
Deep Creek	Brown, Harold	Orleans	Pump	Irrig.	.50	22	3	20	Harlan	June	9	1943	3618
Deer Creek	Farr, Ed	Cambridge	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	San Carlos	Sylvan Dell Canal	Irrig.	2.80	1	2	30	Red Willow	Dec.	6	1913	1340
Driftwood Cr.	Hoyt, Frank	McCook	Pump	Irrig.	.56	24	2	31	Hitchcock	Sept.	7	1937	2780
Driftwood Cr.	Liebrandt, John C.	McCook	Pump	Irrig.	.67	14	2	30	Red Willow	Sept.	5	1939	2957
Driftwood Cr.	Hoyt, Homer	McCook	Hoyt Canal	Irrig.	.68	25	2	31	Red Willow	Feb.	23	1943	3597
Elk Creek	Murray, Esther	Arapahoe	Murray Canal	Irrig.	2.85	11	4	23	Furnas	Aug.	13	1913	1315

REPORT OF THE STATE ENGINEER

Elm Creek	Rasser, William, et al	Red Cloud	Rasser Canal	Irrig.	1.02	3	1	10	Webster	Jan.	24	1934	2357
Elm Creek	Rasser, William, et al	Red Cloud	Rasser Bros. Canal	Irrig.	.45	3	1	10	Webster	Apr.	26	1939	2917
Feese Res.	Feese, Edna	Hastings	Feese Canal	Stor-only		30	2	20	Harlan	Sept.	9	1941	3498*
Flag Creek	Kerr, Robert H.	Alma	Pump	Irrig.	.32	27	2	19	Harlan	Apr.	19	1943	3607
Flag Creek	Davis, John E.	Orleans	Pump	Irrig.	.22	21	2	15	Harlan	Apr.	12	1944	3712
Flag Creek	Landgreen, Mrs. Alma	Orleans	Pump	Irrig.	.09	22	2	19	Harlan	July	5	1944	3741
Fox Creek	Schick, Wm.	Curtis	Pump	Irrig.	.43	5	3	28	Frontier	May	16	1940	3161
Fox Creek	Keldsen, Chris	Curtis	Pump	Irrig.	.35	8	8	28	Frontier	May	16	1940	3162
Frenchman R.	Athey, H. E.	Wauneta	Wauneta Plant	Power	35.00	11	5	36	Chase	July	31	1886	178
Frenchman R.	Wauneta L. and P. Co.	Wauneta	Wauneta Plant	Rs. Dam	D-178	11	5	36	Chase	May	7	1928	2015
Frenchman R.	Knotwell, Glen R.	Champion	Champion Mills	Power	28.30	21	6	39	Chase	Dec.	31	1887	179
Frenchman R.	Krotter Bros.	Palisade	Aberdeen Canal	Irrig.	.83	3	5	38	Chase	July	1	1888	50a
Frenchman R.	Sheridan, Ellen T.	McCook	Pump	Irrig.	1.17	2	5	38	Chase	July	1	1888	50aR
Frenchman R. and Stinking Water Creek	Frenchman Valley Irrigation District	Culbertson	Culbertson Canal	Irrig.	215.00	31	5	33	Hayes	May	16	1890	24-25 29-30
Frenchman R.	Kilpatrick Brothers	Beatrice	Champion Canal	Irrig.	124.00	23	6	40	Chase	Dec.	23	1890	47
Frenchman R.	Sheridan, Ellen T., et al	McCook	Aberdeen Canal Ext.	Irrig.	.50	3	5	38	Chase	Feb.	2	1891	50b
Frenchman R.	Crews, Jos. G., et al	Culbertson	Farmers Canal	Irrig.	10.00	11	3	32	Hitchcock	Dec.	19	1893	10
(Canyon No. 10)	Gerlach, Geo., et al	Culbertson	Wacker Canal	O. D.	D-10	17	3	31	Hitchcock	Dec.	19	1893	1523
(Canyon No. 10)	Crews, Jos. G., et al	Culbertson	Farmers Canal	O. D.	D-10	17	3	31	Hitchcock	Dec.	19	1893	1573
Frenchman R.	Riverside Irrig. Co.	Culbertson	Riverside Canal	Irrig.	12.00	33	4	32	Hitchcock	July	28	1894	18
Frenchman R.	Maranville, E., et al	Champion	Maranville Canal	Irrig.	6.00	12	6	41	Chase	Dec.	8	1894	70-71
Frenchman R.	Inman, Norton	Champion	Inman Canal	Irrig.	1.50	17	6	40	Chase	Feb.	28	1895	79
Frenchman R.	Shallenberger and Hoffmeister	Imperial	Shallenberger Canal	Irrig.	1.77	25	6	39	Chase	Dec.	21	1897	423
Frenchman R.	Inman Irrig. Company	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	Pump	Irrig.	4.29	35	5	34	Hayes	Apr.	30	1903	705

†Reservoir capacity alleged by applicant.

*Stor-only. Land does not have a direct flow appropriation.

‡Denotes application pending.

"R" Denotes relocation.

‡ Amount affirmed by U. S. Supreme Court.

"O. D." Denotes optional diversion.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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.	Follett-Krotter	Palisade	Pump	Irrig.	2.57	35	5	34	Hayes	Aug.	11	1903	—	720
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.	Kilpatrick Brothers	Beatrice	Kilpatrick Res. No. 1	Storage	†1000AF	23	6	40	Chase	June	22	1911	—	1108
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 Plant	Power	75.00	11	5	36	Chase	Nov.	16	1911	—	1136
Frenchman R.	Arterburn, E. E.	Lincoln	Arterburn Reservoir	Storage	†1800AF	11	6	41	Chase	Nov.	28	1911	—	1142
Frenchman R.	Bishop, Stephen S., Est.	Lincoln	Inman Reservoir	Storage	†2000AF	17	6	40	Chase	Dec.	8	1911	—	1145
Frenchman R.	Oliver Brothers	Wauneta	Oliver Plant	Power	50.00	7	5	35	Hayes	Apr.	28	1913	—	1234
Frenchman R.	Oliver Brothers	Wauneta	Oliver 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 Plant	Power	65.00	35	5	34	Hayes	Dec.	2	1913	—	1339
Frenchman R.	City of Imperial	Imperial	Imperial Plant	Power	55.00	25	6	39	Chase	Feb.	7	1917	—	1474
Frenchman R.	City of Imperial	Imperial	Imperial Reservoir	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	Pump	Irrig.	2.01	9	4	33	Hitchcock	Sept.	11	1926	—	1856
Frenchman R.	Krotter, F. C., Estate	Palisade	Follett-Krotter Canal	Irrig.	2.98	35	5	34	Hayes	Jan.	6	1933	—	2294
Frenchman R.	Grosbach and Williams	Wauneta	Grosbach-Williams Plant	Power	75.00	5	5	37	Chase	July	27	1933	—	2338
Frenchman R.	Grimm, Fred R.	Wauneta	Pumps	Irrig.	1.19	15	5	35	Hayes	Apr.	25	1935	—	2542
						16	5	35	Hayes	Apr.	25	1935	—	2542
						22	5	35	Hayes	Apr.	25	1935	—	2542
Frenchman R. and Springs	Hoffmeister, Geo.	Imperial	Hoffmeister Reservoir	Storage	†100AF	31	6	38	Chase	Mar.	13	1936	—	2570
Frenchman R.	Krausnick, Fred W.	Wauneta	Pump	Irrig.	.56	3	5	37	Chase	Mar.	2	1937	—	2705
Frenchman R.	Wise, Emma J.	Palisade	Pump	Irrig.	1.38	22	5	35	Hayes	Aug.	10	1937	—	2772
Frenchman R.	Witt and Follett	Palisade	Pump	Irrig.	.46	35	5	34	Hayes	Nov.	20	1937	—	2806
Frenchman R.	Hoffmeister, Chas.	Imperial	Hoffmeister Lake	Resort		24	6	40	Chase	Jan.	21	1938	—	2829*

BUREAU OF IRRIGATION

Frenchman R.	Severns, U. S.	Palisade	Pump	Irrig.	.91	9	4 33	Hitchcock	Mar.	15	1938	2847
Frenchman R.	Haarberg, Fred C.	Wauneta	Pump	Irrig.	.35	16	5 35	Hayes	Apr.	2	1938	2853
Frenchman R.	Sims and Engell	Wauneta	Pump	Irrig.	1.23	17	5 35	Hayes	Feb.	9	1939	2908
Frenchman R.	Gruver, Clyde L.	Palisade	Pump	Irrig.	1.03	5	4 33	Hitchcock	Feb.	27	1939	2910
Frenchman R.	Handel, Raymond J.	Palisade	Pump	Irrig.	1.35	8	4 33	Hitchcock	Mar.	11	1940	3112
Frenchman R.	Krotter, F. C., Estate	Palisade	Pump	Irrig.		4	5 38	Chase	Sept.	11	1941	3503
Frenchman R.	Krotter, F. C., Estate	Palisade	Krotter Reservoir	Storage		4	5 38	Chase	Sept.	11	1941	3504
Frenchman R.	Frenchman-Cambridge Irrigation District	McCook	Farmers Canal	Irrig.		34	4 32	Hitchcock	Jan.	22	1946	3869a*
Frenchman R.	Frenchman-Cambridge Irrigation District	McCook	Riverside Canal	Irrig.		34	4 32	Hitchcock	Apr.	3	1946	3887a*
Frenchman R.	Frenchman-Cambridge Irrigation District	McCook	Farmers Canal	Irrig.		34	4 32	Hitchcock	Apr.	3	1946	3887b*
Frenchman R.	The U. S. of America	Denver, Colo.	Enders Reservoir	Storage		4-9	5 37	Chase	May	1	1946	3899*
Frenchman R., Ravine, Trib. to	Krotter, F. C., Estate	Palisade	Krotter-Rice Reservoir	Storage	†33AF	34	5 34	Hayes	Feb.	4	1944	3673
Frenchman R., Ravine, Trib. to	Krotter Bros.	Palisade	Krotter-Schlager Res.	Storage	†42AF	26	4 33	Hitchcock	Mar.	12	1945	3814
Garey Reservoir	Garey, Raymond R.	Beaver City	Garey Canal	Stor-only		12	2 23	Furnas	Oct.	14	1939	3483
Gerd Reservoir	Gerd, Clarence	Stamford	Gerd Canal	Stor-only		34	2 21	Furnas	Feb.	29	1940	3485
Gilham Res.	Gilham, Sarah C.	Red Cloud	Pump No. 2	Irrig.		31	2 10	Webster	Mar.	6	1946	3880
Ground Water	Krotter, F. C., Estate	Palisade	Krotter Well No. 1	Irrig.		36	5 34	Hayes	May	6	1938	2872*
Ground Water	Rice, Floyd W.	Palisade	Krotter Well No. 2	Irrig.		1	4 34	Hitchcock	May	6	1938	2872*
Ground Water	Ashmore, Hugh B.	Palisade	Rice Well	Irrig.		34	5 34	Hayes	Oct.	8	1938	2889*
Ground Water	Baurele, William	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*

†Reservoir capacity alleged by applicant.

* Denotes application pending.

Stor-only. Land does not have a direct flow appropriation.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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	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	1941	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	Pedersen Wells 1 & 2	Irrig.	24	2	9	Webster	June	20	1942	3578*		
Ground Water	Becker, Bernard	Beaver City	Becker Well	Irrig.	15	2	22	Furnas	Aug.	15	1942	3583*		
Ground Water	Kimberling, C. C.	Champion	Kimberling Well No. 2	Irrig.	17	6	40	Chase	Mar.	8	1943	3588*		
Ground Water	Miller, L. N.	Imperial	Miller Well	Irrig.	28	7	40	Chase	Mar.	23	1943	3600*		
Ground Water	Moody, Elbert, Estate	Wauneta	Moody Well	Irrig.	12	6	56	Chase	July	6	1943	3622*		
Ground Water	Mollison, Guy G.	Trenton	Mollison Well	Irrig.	4	2	33	Hitchcock	July	26	1943	3627*		
Ground Water	Arnold, Paul E.	Lamar	Arnold Well	Irrig.	18	6	40	Chase	Aug.	31	1943	3636*		
Ground Water	Losey, Perry J.	Naponee	Losey Wells 1 & 2	Irrig.	3	1	16	Franklin	Feb.	28	1944	3690*		
Ground Water	Hughes, Herbert J.	Lamar	Hughes Well	Irrig.	6	7	40	Chase	Apr.	20	1944	3718*		
Ground Water	Krotter, F. C., Estate	Palisade	Krotter Well No. 3	Irrig.	34	5	34	Hayes	June	14	1944	3731*		
Ground Water	Krotter, F. C., Estate	Palisade	Krotter Well No. 4	Irrig.	36	5	34	Hayes	June	14	1944	3732*		
Ground Water	Krotter Bros.	Palisade	Krotter Wells 5 & 6	Irrig.	23	4	33	Hitchcock	June	14	1944	3733*		
Ground Water	Kettle, Geo. A.	Hays Center	Kettle Well	Irrig.	25	4	32	Hitchcock	Sept.	5	1944	3761*		
Ground Water	Scott, A. Ray	Holdrege	Scott Well	Irrig.	30	5	33	Hayes	Sept.	5	1944	3762*		
Ground Water	Kunemann, Henry	Imperial	Kunemann Well	Irrig.	22	8	40	Chase	Jan.	18	1945	3791*		
Ground Water	Berry, A. E.	Lamar	Berry Well	Irrig.	1	6	41	Chase	Jan.	22	1945	3796*		
Ground Water	Broughton, R. R.	Haigler	Broughton Well	Irrig.	14	5	41	Chase	Jan.	26	1945	3800*		
Ground Water	Earl, Warren	Haigler	Earl Well	Irrig.	32	5	40	Chase	Jan.	29	1945	3802*		
Ground Water	Schultz, C. W.	Lamar	Schultz Well	Irrig.	22	6	41	Chase	Jan.	29	1945	3803*		

Ground Water	Elder, Joseph A.	Lamar	Elder Well	Irrig.	30	7	41	Chase	Feb.	13	1945	3809*	
Ground Water	McFadden, Esther	Stratton	McFadden Well	Irrig.	18	2	34	Hitchcock	Mar.	2	1946	3877*	
Ground Water	Melchert, L. W.	Stratton	Melchert Well	Irrig.	18	2	34	Hitchcock	Aug.	30	1946	3949*	
Hoffmeister Res.	Hoffmeister, Geo.	Imperial	Hoffmeister Canal	Stor-only	30	6	38	Chase	Mar.	13	1936	2575	
Horse Creek	Pringle, Geo. N.	Parks	Horse Creek Canal	Irrig.	1.86	23	1	39	Dundy	Aug.	31	1885	159 } ---
# Indian Creek	Brown, Clyde A.	Max	Pump	Irrig.	.83	23	2	36	Dundy	Aug.	23	1944	173 } 3758
Indian Creek	Phillips, Daniel	Red Cloud	Pump	Irrig.	2.21	21	2	11	Webster	Jan.	9	1926	1791
Indian Creek	Tupper, B. J.	Red Cloud	Pump	Irrig.	3.87	20	2	11	Webster	Jan.	19	1926	1792
James Res.	Betts, Mrs. N. O.	Bloomington	James Canal	Supple. I.	A-2521	28	2	15	Franklin	Sept.	28	1935	2719
James Res.	Betts, Mrs. M. E.	Bloomington	James Canal	Stor-only	25	2	15	Franklin	Sept.	28	1935	3318	
Kara Lake Res.	Anderson, Hugh L.	Benkelman	Kara Canal	Stor-only	20	1	39	Dundy	Oct.	31	1931	2480	
Kilpatrick Res.	Kilpatrick Brothers	Beatrice	Kilpatrick Res. Canal	Supple. I.	D-47	30	6	39	Chase	June	22	1911	1160
Lueking Res.	Lueking, Henry	Oxford	Lueking Res. Canal	Stor-only	3	3	22	Furnas	Feb.	28	1940	3929	
Lunt Reservoir	Miller-Anderson	Superior	Lunt Canal	Stor-only	28	1	6	Nuckolls	Nov.	19	1930	2201	
Mauer Springs	C. B. & Q. R. R. Co.	Lincoln	Burlington Pipe Line	Dom.	1.48	23	2	11	Webster	Nov.	28	1911	1123
Medicine Creek	Gold Coin Mills	Cambridge	Cambridge Mill	Power	68.00	29	4	25	Furnas	Dec.	31	1878	92-93 ---
Medicine Creek	Reed, Martha	Stockville	Sanders Canal	Irrig.	.14	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	855 ---
Medicine Creek	Berck, Burdette C.	Maywood	Nelson Pump	Irrig.	.61	21	8	29	Frontier	Oct.	2	1926	1885 ---

*Denotes application pending, or claim not adjudicated.
 Stor-only. Land does not have a direct flow appropriation.
 # Indian Creek in Dundy County and Indian Creek in Webster County are separate streams.
 Supple. I. Denotes storage water in addition to direct flow.

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

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Source	Appropriator or Operator	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.
	Game, Forestation and Parks Commission	Lincoln.....	Wellfleet Lake.....	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*
Medicine Creek	United Public Power and Irrig. District	Cambridge.....	Medicine Creek Canal	Storage.....		26	5	26	Frontier	Jan.	27	1937	2687*
Medicine Creek	Towne, W. E.....	Maywood.....	Pump.....	Irrig.....	.59	26	8	29	Frontier	Feb.	6	1940	3088
Medicine Creek	Compton, C. H.....	Cambridge.....	Pump.....	Irrig.....	.67	24	5	26	Frontier	May	14	1940	3153
Medicine Creek	Keith, Luther I.....	Orafino.....	Pumps.....	Irrig.....	.70	34	6	26	Frontier	June	4	1940	3173
Medicine Creek						2	5	26	Frontier	June	4	1940	3173
Medicine Creek	Towne, W. E.....	Maywood.....	Pump.....	Irrig.....	.15	26	8	29	Frontier	July	11	1940	3197
Medicine Creek	Buker, J. G.....	Freedom.....	Pump.....	Irrig.....	.59	18	6	26	Frontier	Oct.	8	1940	3235
Medicine Creek	Lynch, R. G.....	Roseland.....	Pump.....	Irrig.....	.33	12	6	27	Frontier	Oct.	9	1940	3237
Medicine Creek	Schmelzer, Albert.....	Maywood.....	Pump.....	Irrig.....	.62	8	8	29	Frontier	Oct.	31	1940	3315
Medicine Creek	Compton, C. H.....	Cambridge.....	Pump.....	Irrig.....	.64	24	5	26	Frontier	Dec.	10	1940	3350
Medicine Creek	Mousel, George A.....	Cambridge.....	Pump.....	Irrig.....	1.56	31	5	25	Frontier	Apr.	5	1943	3604
Medicine Creek	Mousel, George A.....	Cambridge.....	Pump.....	Irrig.....	.18	1	4	26	Red Willow	Apr.	20	1943	3608
Medicine Creek	Mousel, Robert, Jr.....	Cambridge.....	Pumps.....	Irrig.....	.80	25	5	26	Frontier	June	4	1943	3614
						36	5	26	Frontier	June	4	1943	3614
Medicine Creek	Harding, Ernest L.....	Cambridge.....	Pump.....	Irrig.....	.38	7	4	25	Furnas	Aug.	21	1943	3632
Medicine Creek	Babcock, Mrs. Fannie.....	Cambridge.....	Pumps.....	Irrig.....	.18	18	4	25	Furnas	Mar.	22	1944	3701
Medicine Creek	Buker, Jay D.....	Curtis.....	Pump.....	Irrig.....	1.03	7	7	27	Frontier	May	19	1945	3835
						18	7	27	Frontier	May	19	1945	3835
Medicine Creek	The U. S. of America.....	Denver, Colo.....	Medicine Creek Res.	Storage.....		24	5	26	Frontier	May	1	1946	3900*
						25	5	26	Frontier	May	1	1946	3900*
Milrose Creek	Keester, R. L., Estate.....	Alma.....	Pump.....	Irrig.....	.35	9	2	19	Harlan	Dec.	10	1940	3348

REPORT OF THE STATE ENGINEER

Milrose Creek	Kerr, Robert H.	Alma	Pump	Irrig.	.74	8	2	19	Harlan	June	14	1942	3621
Muddy Creek	Larson, Oscar F.	Arapahoe	Pump	Irrig.	3.53	17	4	23	Furnas	Feb.	9	1927	1898
Muddy Creek	Patton, Mrs. Ruby	Arapahoe	Pump	Irrig.	.29	15	4	23	Furnas	Oct.	13	1928	2042
Muddy Creek	Stansbie, Jess.	Cambridge	Pump	Irrig.	1.26	16	4	23	Furnas	Feb.	4	1944	3679
# Muddy Creek	Tracy, Estella G.	Max	Pump	Irrig.	1.19	2	2	36	Dundy	Nov.	20	1940	3335
Ohmstead Res.	Ohmstead, Chris	Guide Rock	Ohmstead Canal	Irrig.		17	1	9	Webster	Aug.	31	1946	3952*
Paine Reservoir	Paine, Clyde S.	Edison	Paine Canal	Stor-only		21	4	22	Furnas	Apr.	18	1940	3478
Prairie Dog Cr.	Feese, C. A.	Alma	Pump No. 1	Irrig.	.69	24	1	18	Harlan	Aug.	2	1937	2768
			Pump No. 2	Irrig.	.44	25	1	18	Harlan	Aug.	2	1937	2768
Prairie Dog Cr.	Seyler, Lew	Alma	Pump	Irrig.	.50	33	1	18	Harlan	Sept.	13	1937	2785
Prairie Dog Cr.	Stolts, Carroll	Republican City	Pump	Irrig.	.39	24	1	18	Harlan	Aug.	2	1939	2946
Prairie Dog Cr.	Kauk, Fred	Alma	Pump	Irrig.	.29	32	1	18	Harlan	Aug.	7	1939	2948
Prairie Dog Cr.	McCleery, Winifred W.	Alma	Pumps	Irrig.	.44	31	1	18	Harlan	Nov.	6	1939	3019
Prairie Dog Cr.	Lethem, John R.	Republican City	Pumps	Irrig.	.33	24	1	18	Harlan	Dec.	12	1939	3046
Prairie Dog Cr.	Kauk, Wm.	Alma	Pump	Irrig.	.19	28	1	18	Harlan	Jan.	19	1940	3078
Prairie Dog Cr.	Stone, Earl D.	Republican City	Pumps	Irrig.	.58	23	1	18	Harlan	Mar.	4	1940	3103
Prairie Dog Cr.	Thompson, Eva M.	Alma	Pumps	Irrig.	.31	34	1	18	Harlan	Mar.	4	1940	3104
Prairie Dog Cr.	Beyer, Freda and Waldo, Cartha	Alma Republican City	Pump	Irrig.	.25	23	1	18	Harlan	Sept.	5	1940	3256
Prairie Dog Cr.	Miller, Glenn, et al	Woodruff, Kansas	Pump	Irrig.	.93	35	1	19	Harlan	Oct.	11	1940	3292
Prairie Dog Cr.	Stone, James S.	Alma	Pump	Irrig.	.40	33	1	18	Harlan	Nov.	20	1940	3334
Prairie Dog Cr.	King, Louise, et al	Kearney	Pump	Irrig.	.84	19	1	17	Harlan	Mar.	6	1941	3411

† Reservoir capacity alleged by applicant.

* Denotes application pending.

Muddy Creek in Furnas County and Muddy Creek in Dundy County are separate streams.

Stor-only. Land does not have a direct flow appropriation.

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

Source	Appropriator or Operator	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.
Prairie Dog Cr., Tributary to	Kauk, Fred	Alma	Pump	Irrig.	.22	29	1	18	Harlan	Dec.	12	1929	3047
Red Willow Cr.	Deines, Frantz, et al.	Friend	Pump	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	Pump	Irrig.	.57	21	8	22	Hayes	July	27	1934	2447
Red Willow Cr.	Kelley, Charles W.	McCook	Kelley Pump Canal	Irrig.	52.00	36	5	30	Frontier	Dec.	20	1938	2901
Red Willow Cr.	Bortner, Wm.	St. Ann	Pump	Irrig.	.57	28	5	30	Frontier	July	21	1939	2938
Red Willow Cr.	Walker, Chas.	St. Ann	Pump	Irrig.	.81	9	6	31	Hayes	Dec.	6	1939	3037
Red Willow Cr.	Quick, Merritt W.	McCook	Pump	Irrig.	.76	31	5	29	Frontier	Jan.	22	1940	3082
Red Willow Cr.	McKillip, A. P.	Hayes Center	Pump	Irrig.	.97	22	6	31	Hayes	Mar.	9	1940	3111
Red Willow Cr.	Bortner, Wm.	St. Ann	Pump	Irrig.	.18	21	5	30	Frontier	Mar.	12	1940	3114
Red Willow Cr.	Hill, Howard W.	Hayes Center	Pump	Irrig.	.23	27	6	31	Hayes	Mar.	28	1940	3124
Red Willow Cr.	Little, H. E.	Culbertson	Pump	Irrig.	.42	2	5	31	Hayes	Sept.	20	1941	3308
Red Willow Cr.	Little, Hugh E.	Culbertson	Pump	Irrig.	.26	2	5	31	Hayes	Apr.	30	1943	3609
Red Willow Cr.	Dienes, Frantz C., et al	Friend	Pump	Irrig.	.48	8	3	28	Red Willow	July	12	1943	3623
Red Willow Cr.	Beebe, George	Culbertson	Pump	Irrig.	.59	35	6	31	Hayes	Aug.	16	1943	3631
Republican R.	Consumers P. P. Dist.	Columbus	Guthrie Canal	Power.	400.00	34	1	7	Nuckolls	Sept.	1	1877	1036
Republican R.	Kirtland, E. S.	Orleans	Orleans Mill	Power.		27	2	19	Harlan				1043*
Republican R.	Pioneer Irrig. Co.	Haigler	Haigler Canal	Irrig.	24.39	2	1	43	Yuma, Colo.	Apr.	4	1890	1025
Republican R.	Crews, Lewis E.	Haigler	Crews Canal	Irrig.	2.61	21	1	41	Dundy	Apr.	4	1890	1025R
Republican R.	Pioneer Irrig. District	Haigler	Haigler Canal	Irrig.	†50.00	2	1	43	Yuma, Colo.	Apr.	4	1890	1025
Republican R.	McCook Ditch Co.	McCook	Meeker Canal	Irrig.	143.00	15	3	31	Hitchcock	Dec.	22	1890	4-9-8-7
Republican R.	Anderson, Anders	Max	Anderson Canal	Irrig.	1.90	1	1	37	Dundy	Jan.	26	1894	151
Republican R.	Delaware-Hickman Ditch Company	Benkelman	Delaware-Hickman Canal	Irrig.	29.00	17	1	37	Dundy	Jan.	7	1895	157
Republican R.	Pringle, Geo. N.	Parks	Parks Canal	Irrig.	16.00	20	1	39	Dundy	June	18	1912	1202

Republican	R.	Pringle, Geo. N.	Parks	Parks Canal	Irrig.	2.00	20	139	Dundy	Dec.	31	1915	1444	
Republican	R.	Pringle, Geo. N.	Parks	Parks Canal	Irrig.	1.14	20	139	Dundy	Sept.	5	1919	1555	
Republican	R.	Crews, L. E.	Haigler	Crews Canal No. 2	Irrig.	2.59	20	141	Dundy	Mar.	29	1923	1709	
Republican	R.	Fishbach, Geo.	Orleans	Pump	Irrig.	1.58	33	219	Harlan	Aug.	27	1925	1778	
Republican	R.	Stevenson, L. E., Est.	Alma	Pump	Irrig.	6.34	5	118	Harlan	Sept.	30	1925	1781	
Republican	R.	Haeker, K. G.	Alma	Pump	Irrig.	4.60	35	219	Harlan	Mar.	2	1926	1798	
Republican	R.	Worden, Dorsey	Superior	Pump	Irrig.	1.04	32	1	6	Nuckolls	Sept.	23	1926	1862
Republican	R.	Runck-Murdoch	Orleans	Pumps	Irrig.	3.29	22	320	Harlan	Sept.	18	1928	2029	
Republican	R.	Keifer, J. Warren, Jr.	Bostwick	Keifer Canal No. 1	Irrig.	9.83	21	1	3	Nuckolls	Sept.	22	1930	2167
Republican	R.	Mendell, B. C.	Superior	Mendell Canal	Irrig.	2.61	35	1	7	Nuckolls	Sept.	7	1932	2283
Republican	R.	Fischbach, Geo.	Orleans	Pump	Irrig.		33	219	Harlan	Feb.	15	1933	2304	
Republican	R.	Arneson, F. L.	Inavale	Pumps	Irrig.	.23	2	112	Webster	Apr.	17	1933	2318	
Republican	R.	Best, John	Oxford	Pump	Irrig.	2.50	36	4	22	Furnas	Nov.	9	1934	2492
Republican	R.	Fisher, Marshall	Edison	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	117	Harlan	Feb.	1	1937	2691*	
				Republican River Canal No. 2	Irrig.		5	113	Franklin	Feb.	1	1937	2691*	
				Republican River Canal No. 3	Irrig.		8	1	9	Webster	Feb.	1	1937	2691*
Republican	R.	Republican River Public P. and I. District	Bostwick	Republican City Res.	Storage		14	117	Harlan	Feb.	1	1937	2692*	
Republican	R.	Lang, Alfred E.	Indianola	Pump	Irrig.	.42	14	3	27	Red Willow	Feb.	16	1937	2698
Republican	R.	French, J. A.	Edison	Pump	Irrig.	.39	6	3	21	Furnas	Feb.	25	1937	2793
Republican	R.	Andrews, Donald	Cambridge	Pump	Irrig.	.56	29	4	24	Furnas	Apr.	29	1938	2867
Republican	R.	Kiehl, W. C., Estate	Guide Rock	Pump	Irrig.	.26	9	1	9	Webster	May	2	1939	2913
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	Irrig.	.75	11	1	17	Harlan	Nov.	15	1939	3019
Republican	R.	Dunn and Chambers	Inavale	Pump	Irrig.	.36	1	1	16	Franklin	Jan.	19	1940	3079
Republican	R.	Kahrs and Lieneman	Franklin	Pump	Irrig.	.78	7	1	15	Franklin	Jan.	22	1940	3081
Republican	R.	Martin, Morris G., et al	Hastings	Pump	Irrig.	.18	8	1	11	Webster	Mar.	13	1940	3116

* Denotes application pending, or claim not adjudicated.

"R" Denotes relocation.

†† Amount affirmed by U. S. Supreme Court: 35.00 sec.-feet for Nebraska, and 15.00 sec.-feet for Colorado.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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.	Houchin, George	Red Cloud	Pump	Irrig.	.07	15	1	9	Webster	Apr.	5	1940	3131
Republican R.	Howell, Charles	Bloomington	Pump	Irrig.	.75	10	1	16	Franklin	Apr.	15	1940	3134
Republican R.	Reisher, Noah G.	Benkelman	Pump	Irrig.	1.21	30	1	38	Dundy	July	29	1940	3221
Republican R.	Meyer, Ernst	Superior	Pump	Irrig.	.87	34	1	7	Nuckolls	Aug.	26	1940	3240
Republican R.	Amack, Geo.	Red Cloud	Pump	Irrig.	.19	7	1	10	Webster	Aug.	28	1940	3244
Republican R.	Auld, Jessica C.	Palo Alto	Pump	Irrig.	1.36	9	1	11	Webster	Aug.	31	1940	3248
Republican R.	Butler, Floyd R.	Superior	Pump	Irrig.	.59	34	1	7	Nuckolls	Sept.	3	1940	3252
Republican R.	Tietze, Ernest E., et al	Fremont	Pumps	Irrig.	.73	28	4	24	Furnas	Oct.	16	1940	3298
						29	4	24	Furnas	Oct.	16	1940	3298
Republican R.	Bach, W. J.	Riverton	Pump No. 1	Irrig.	.47	3	1	14	Franklin	Jan.	22	1941	3375
Republican R.	Bach, Mrs. Theo.	Riverton	Pump No. 1	Irrig.	.90	3	1	14	Franklin	Feb.	6	1941	3384
Republican R.	Lang, Alfred E.	Indianola	Pump	Irrig.	.87	14	3	27	Red Willow	Feb.	24	1941	3401
Republican R.	McCann, Howard	Edison	Pump	Irrig.	.84	35	4	22	Furnas	May	2	1941	3438
Republican R.	Butler, Floyd R.	Superior	Pump	Irrig.	.03	34	1	7	Nuckolls	May	9	1941	3443
Republican R.	Keifer, Oswin	Bostwick	Keifer Canal No. 1	Irrig.	2.08	21	1	8	Nuckolls	Jan.	27	1942	3547
Republican R.	Arneson, F. L.	Inavale	Valley Grove Canal	Irrig.	.25	5	1	12	Webster	Mar.	11	1942	3558
Republican R.	Olson, Wendell	Orleans	Pump	Irrig.	1.00	36	3	20	Harlan	Aug.	5	1943	3629
Republican R.	Gupton, L. H.	Oxford	Pump	Irrig.	.21	3	20	Harlan	July	20	1944	3744	
Republican R.	Blank, Harry W.	Franklin	Pump	Irrig.	.6	1	14	Franklin	Sept.	18	1944	3766	
Republican R.	North Republican Irrigation District	McCook	Lower Haigler Canal	Irrig.	.21	1	40	Dundy	Jan.	22	1946	3868b*	
Republican R.	North Republican Irrigation District	McCook	Benkelman Canal	Irrig.	.24	1	38	Dundy	Jan.	22	1946	3868e*	
Republican R.	Frenchman-Cambridge Irrigation District	McCook	Meeker Canal	Irrig.	.15	3	31	Hitchcock	Jan.	22	1946	3869b*	
Republican R.	Frenchman-Cambridge Irrigation District	McCook	North Red Willow Canal	Irrig.	.16	3	28	Red Willow	Jan.	22	1946	3869c*	

Republican R.	Frenchman-Cambridge Irrigation District	McCook	South Red Willow Canal	Irrig.	16	3	28	Red Willow	Jan.	22	1946	3869d*	
Republican R.	Frenchman-Cambridge Irrigation District	McCook	Cambridge-Oxford- Orleans Canal	Irrig.	27	4	26	Furnas	Jan.	22	1946	3869e*	
Republican R.	Frenchman-Cambridge Irrigation District	McCook	Meeker Canal	Irrig.	15	3	31	Hitchcock	Apr.	3	1946	3887c*	
Republican R.	Myers, H. Leslie	Superior	Pump	Irrig.	34	1	7	Nuckolls	Sept.	12	1946	3959*	
Republican R., Ravine, Trib. to	Lueking, H. L.	Oxford	Lueking Reservoir	Storage	†234AF	3	3	22	Furnas	Feb.	28	1940	3098
Republican R., Ravine, Trib. to	Paine, Clyde S.	Edison	Paine Reservoir	Storage	†420AF	21	4	22	Furnas	Apr.	18	1940	3138
Republican R., Ravine, Trib. to	Crow, Clark	Oxford	Crow Reservoir	Storage	†99AF	19	3	20	Harlan	Nov.	20	1940	3333
Republican R., Ravine, Trib. to	Broeker, Gezema M.	Arapahoe	Broeker Reservoir	Storage	†122AF	4	3	22	Furnas	Dec.	10	1940	3349
Republican R., Ravine, Trib. to	Gilham, Sarah C.	Red Cloud	Gilham Reservoir	Storage		31	2	10	Webster	Mar.	6	1946	3879
Republican R., Ravine, Trib. to	Haeker, Robert	Orleans	Haeker Reservoir	Storage	†105AF	2	1	19	Harlan	Aug.	30	1946	3950
Republican R., Ravine, Trib. to	Ohmstead, Chris	Guide Rock	Ohmstead Reservoir	Storage		17	1	9	Webster	Aug.	31	1946	3951
Republican R., North Fork	North Republican Irrigation District	McCook	Upper Haigler Canal	Irrig.		13	1	42	Dundy	Jan.	22	1946	3868a*
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	Anderson, Hugh L.	Benkelman	Kara Lake Reservoir	Storage	†50AF	17	1	39	Dundy	Oct.	31	1931	2246
Rock Creek	Game, Forestation and Parks Commission	Lincoln	Rock Creek Lake	Fish	†215AF	6	1	39	Dundy	Feb.	28	1934	2366
Rock Creek	North Republican Irrigation District	McCook	Rock Creek Canal	Irrig.		21	1	39	Dundy	Jan.	22	1946	3869d*

*Denotes application pending.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.		
						S	T	R	County	Mo.	D			Yr.	
Rope Creek	Bortfeld, Fred E.	Orleans	Pump	Irrig.	.32	25	2	19	Harlan	Dec.	19	1940	---	3857	
Sacramento Cr.	Davidson, Martin E.	Holdrege	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	Pump	Irrig.	.94	19	2	20	Harlan	Sept.	9	1926	---	1855	
Sappa Creek	Johnson, Edw. E.	Orleans	Pump	Irrig.	1.09	24	2	20	Harlan	May	23	1934	---	2385	
Sappa Creek (See Beaver Creek)	Beaver-Sappa Public Pow. and Irrig. Dist.	Cambridge	South Sappa Canal	Irrig.		18	1	22	Furnas	Dec.	14	1936	---	2671b*	
Sappa Creek (See Beaver Creek)	Beaver-Sappa Public Pow. and Irrig. Dist.	Cambridge	North Sappa Canal	Irrig.		18	1	22	Furnas	Dec.	14	1936	---	2671b*	
Sappa Creek (See Beaver Creek)	Beaver-Sappa Public Pow. and Irrig. Dist.	Cambridge	Spring Green Lake Reservoir	Storage		19	1	22	Furnas	Dec.	14	1936	---	2672b*	
Sappa Creek	Caffrey, E. F.	Omaha	Pump	Irrig.	.76	22	2	20	Harlan	Aug.	1	1939	---	2945	
Sappa Creek	Lubeck, John C.	Stamford	Pump	Irrig.	.46	23	2	20	Harlan	Aug.	14	1939	---	2951	
Sappa Creek	Collins, Horace	Beaver City	Pump	Irrig.	.25	30	1	23	Furnas	Feb.	17	1940	---	3091	
Sappa Creek	Gerd, Albin, Estate	Stamford	Pump	Irrig.	.13	35	2	21	Furnas	Feb.	26	1940	---	3095	
Sappa Creek	Brown, Floyd T.	Stamford	Pump	Irrig.	.35	9	1	21	Furnas	Mar.	6	1940	---	3109	
Sappa Creek	Smith, Otto	Stamford	Pump	Irrig.	.60	19	2	20	Harlan	May	4	1940	---	3148	
Sappa Creek	Burt, Maude T.	Stamford	Pump	Irrig.	1.22	34	2	21	Furnas	Sept.	21	1940	---	3271	
Sappa Creek	Blickenstaff, Bert D.	Stamford	Pump	Irrig.	1.03	21	2	20	Harlan	Nov.	5	1940	---	3324	
Sappa Creek	Lane, Ross T., et al.	Alma	Pump	Irrig.	.58	25	2	21	Furnas	Feb.	10	1942	---	3550	
Sappa Creek	McCarty, J. A.	Beaver City	Pump	Irrig.	.28	10	1	22	Furnas	May	4	1942	---	3564	
Sappa Creek	Stevenson, Guy	Wilsonville	Pump	Irrig.	.06	36	1	24	Furnas	Dec.	23	1943	---	3667	
Sappa Creek	Dake, Clarence L.	Orleans	Pump	Irrig.	.85	24	2	20	Harlan	July	5	1944	---	3742	
Sappa Creek	Francis, Duane	Stamford	Pump	Irrig.	.55	35	2	21	Furnas	Aug.	23	1945	---	3852	
Sappa Creek	Cox, H. A.	Beaver City	Pump	Irrig.		12	1	22	Furnas	Sept.	11	1946	---	3957	
Sappa Creek, Ravine, Trib. to	Gerd, Clarence	Stamford	Gerd Reservoir	Storage	154A	F	34	2	21	Furnas	Feb.	29	1940	---	3029

Sappa Creek, Ravine, Trib. to	Brown, Floyd T.....	Stamford.....	Brown Reservoir.....	Storage.....	†46AF	4	121	Furnas.....	Apr.	29	1941	3433
Sappa Creek, Ravine, Trib. to	Feese, Edna.....	Hastings.....	Feese Reservoir.....	Storage.....	†17AF	30	220	Harlan.....	Sept.	9	1941	3497
School Creek (See Berger Creek)	Sughroue, Edward.....	Indianola.....	Pump.....	Irrig.....	.32	15	327	Red Willow.....	Aug.	16	1932	2280
# Spring Creek...	Twin Lakes Company...	Benkelman.....	Twin Lakes.....	Resort.....	†7AF	34	223	Dundy.....	Apr.	16	1930	2133
Spring Creek.....	Sindt, Albert.....	Naponee.....	Spring Creek Canal.....	Irrig.....	.27	17	216	Franklin.....	Jan.	14	1939	2906
Spring Creek.....	Brown, Harold.....	Orleans.....	Pump.....	Irrig.....	.45	15	320	Harlan.....	June	9	1943	3617
Spring Creek.....	Nissen, A. H. and W. J.	Oxford.....	Pump.....	Irrig.....	.40	21	320	Harlan.....	Aug.	9	1943	3630
Stinking Water Creek	Kilpatrick Brothers.....	Beatrice.....	Chase County Land and Live Stock Canal	Irrig.....	2.86	10	738	Chase.....	Mar.	10	1894	57
Stinking Water Creek	Crandall and Taylor.....	Imperial.....	McLain Canal.....	Irrig.....	2.50	28	737	Chase.....	Sept.	24	1894	65
Stinking Water Creek	Kilpatrick Brothers.....	Beatrice.....	Chase County Land and Live Stock Canal No. 6	Irrig.....	2.00	13	738	Chase.....	Jan.	28	1895	76
Stinking Water Creek	Kilpatrick Brothers.....	Beatrice.....	Chase County Land and Live Stock Canal No. 5	Irrig.....	1.50	14	723	Chase.....	Jan.	29	1895	77
Stinking Water Creek	Kilpatrick Brothers.....	Beatrice.....	Chase County Land and Live Stock Canal No. 3	Irrig.....	1.71	14	738	Chase.....	Jan.	29	1895	78
Stinking Water Creek	Kilpatrick Brothers.....	Beatrice.....	Chase County Land and Live Stock Canal No. 4	Irrig.....	.91	14	738	Chase.....	June	27	1895	56
Stinking Water Creek	Kilpatrick Brothers.....	Beatrice.....	Chase County Land and Live Stock Canal No. 1	Irrig.....	.70	4	738	Chase.....	June	27	1895	57
Stinking Water Creek	Malone, Gale.....	Palisade.....	Pump.....	Irrig.....	.95	15	534	Hayes.....	Oct.	5	1939	2981
Stinking Water Creek	Malone, Gale.....	Palisade.....	Pump.....	Irrig.....	.36	15	534	Hayes.....	Apr.	15	1940	3126

† Reservoir capacity alleged by applicant.

Spring Creek in Dundy County and Spring Creek in Franklin County are separate streams.

* Denotes application pending, or claim not adjudicated.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R.	County	Mo.	D			Yr.
Stinking Water Creek	Cannady, W. E.	Madrid	Pump	Irrig.		9	5	34	Hayes	Jan.	27	1943	3594
Stinking Water Creek	Scott and Anderson	Holdrege	Pump	Irrig.	1.40	25	5	34	Hayes	Sept.	28	1943	3656
Thompson Creek	Ziegler, J. and O.	Riverton	Pump	Irrig.	.73	27	2	13	Franklin	Jan.	16	1935	2505
Thompson Creek, 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	Pump	Irrig.	2.80	31	4	21	Furnas	Nov.	30	1926	1876
Turkey Creek	Rhynalds, Claude	Oxford	Pump	Irrig.	1.18	5	3	21	Furnas	May	30	1927	1934
Turkey Creek	Wengert, J. H.	Oxford	Pump	Irrig.	.94	4	3	21	Furnas	July	9	1927	1938
Turkey Creek	Blinow, Fred H.	Oxford	Pump	Irrig.	.92	3	3	21	Furnas	Sept.	23	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	Pump	Irrig.	1.90	8	1	16	Franklin	May	27	1927	1933
Turkey Creek	Post, Walter A.	Naponee	Pump	Irrig.	.79	8	1	16	Franklin	Aug.	21	1936	2621
Turkey Creek	Post, Walter A.	Naponee	Pump	Irrig.	1.11	8	1	16	Franklin	Aug.	21	1936	2622
Turkey Creek	Sindt, Karl	Naponee	Pump No. 1	Irrig.	.26	19	2	16	Franklin	Dec.	20	1939	3062
Turkey Creek	Ray, Staque	Denver, Colo.	Pump	Irrig.	.33	4	1	16	Franklin	July	25	1940	3216
Valley Home Cr.	Miller and Anderson	Superior	Lunt Reservoir	Storage	†100AF	28	1	6	Nuckolls	Nov.	19	1930	2176
Van Cleave Res.	Furnas County Commissioners	Beaver City	Furnas Co. Comm. Canal	Stor.-only		7	2	22	Furnas	May	31	1945	3885
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	Storage	†22AF	28	2	15	Franklin	Sept.	28	1935	2559

Vining Creek.....	Betts, Mrs. M. E.....	Franklin.....	James Reservoir.....	Storage.....	†13AF	28	2	15	Franklin.....	June	25	1946	3920
Wasp Creek.....	Osterbuhr, Mrs. E. O.....	Franklin.....	Osterbuhr Canal.....	Irrig.....	.18	28	2	14	Franklin.....	June	28	1940	3192
Worthman Cr., Ravine, Trib. to	Sindt, Wm.....	Riverton.....	Sindt Reservoir.....	Storage.....	†115AF	14	1	14	Franklin.....	Oct.	30	1944	3730

Turkey Creek in Furnas County and Turkey Creek in Franklin County are separate streams.

Stor-only. Land does not have a direct flow appropriation.

† Reservoir capacity alleged by applicant.

* Denotes claim not adjudicated.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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	Likens, Louis D.	Fairbury	Rural Rehabilitation Project No. 1	Irrig.	.34	25	2	2E	Jefferson	Aug.	18	1934	2466	
Blue River, Lit.	Consumers P. P. Dist.	Columbus	Oak Mill Race	Power	16	3	5		Nuckolls				991*	
Blue River, Lit.	Game, Forestation and Parks Commission	Lincoln	Crystal Reservoir	Storage	32AF	27	6	10	Adams	Aug.	17	1912	1219	
Blue River, Lit.	Lyon, Geo., Jr.	Nelson	Lyon 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 P. P. Dist.	Columbus	Meyer Plant	Power	150.00	16	3	5	Nuckolls	July	27	1916	1467	
Blue River, Lit.	Bozarth-Carter	Hebron	Hebron Plant	Power	216.00	9	2	2	Thayer	Mar.	31	1919	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 and Parks Commission	Lincoln	Larkins Canal	Power	1.50	27	6	10	Adams	Nov.	29	1920	1594	
Blue River, Lit.	Hurlburt, Chas. M., Est.	Fairbury	Hurlburt Canal	Irrig.	.20	22	2	2E	Jefferson	Aug.	7	1922	1685	
Blue River, Lit.	Steele, R. B.	Fairbury	Sand-Mining Project	Mfg.	.22	2	2E		Jefferson	Aug.	16	1926	1847*	
Blue River, Lit.	Blocker, A. V.	Roseland	Pump	Irrig.	.08	9	5	11	Adams	Nov.	1	1926	1869	
Blue River, Lit.	Vap, Alois	Ludell, Kan.	Pump	Irrig.	.81	31	5	7	Clay	Dec.	8	1926	1878	
Blue River, Lit.	Gaudreault, I. S.	Hastings	Pump	Irrig.	.39	26	6	10	Adams	Feb.	22	1927	1903	
Blue River, Lit.	Anderson, Felix G.	Ayr	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	
Blue River, Lit.	Bexten, A. Louis	Pauline	Pumps	Irrig.	1.00	25	6	10	Adams	Mar.	8	1927	1908	
Blue River, Lit.	Land Investments, Inc.	Hastings	Pump	Irrig.	.31	6	9							
Blue River, Lit.	City of Fairbury	Fairbury	Fairbury Plant	Mfg.	.80	13	5	11	Adams	Mar.	8	1927	1909	
Blue River, Lit.	Hornberger, Thos.	Ayr	Pump	Irrig.	16.70	15	2	2E	Jefferson	Oct.	22	1927	1963	
Blue River, Lit.	Bergt, Theodore	Davenport	Pump	Irrig.	2.19	14	5	11	Adams	Jan.	24	1928	1978	
Blue River, Lit.	Dutton, K. M. J., Est.	Oak Park, Ill.	Pumps	Irrig.	1.50	22	3	4	Thayer	Apr.	17	1930	2134	
Blue River, Lit.	Schardt, Harry G.	Hebron	Pumps	Irrig.	5.24	29	3	3	Thayer	Aug.	4	1930	2152	
						30	3	3						

Blue River, Lit.	Jones, E. H.	Fairbury	Pump	Irrig.	1.74	26	2	2E	Jefferson	Sept.	4	1930	2165	
Blue River, Lit.	Heinrich, Walter E. and Adolph	Davenport	Pump	Irrig.	2.23	20	3	4	Thayer	Feb.	24	1931	2193	
Blue River, Lit.	Nehrig, Henry H.	Davenport	Pump	Irrig.	5.00	26	3	4	Thayer	Mar.	10	1931	2194	
Blue River, Lit.	Sanford, Harry K.	Ayr	Pump	Irrig.	.28	4	5	10	Adams	Sept.	22	1931	2228	
Blue River, Lit.	Heiler, H. H.	Hastings	Pump	Irrig.	.46	27	6	10	Adams	Sept.	30	1931	2241	
Blue River, Lit.	Weyenberg, John T.	Hastings	Pump	Irrig.	1.20	17	5	8	Clay	Oct.	8	1931	2243	
Blue River, Lit.	Zweifel, Albert, Est.	Fairbury	Pump	Irrig.	.25	9	2	2E	Jefferson	July	25	1932	2277	
Blue River, Lit.	Paus, Geo. H.	Fairfield	Pump	Irrig.	.22	16	5	8	Clay	May	15	1933	2321	
Blue River, Lit.	Peters, Cornelius R., Estate	Angus	Pump	Irrig.	.71	27	4	6	Nuckolls	May	31	1934	2389	
Blue River, Lit.	Scroggins, John L.	Oak	Pump	Irrig.	1.31	1	3	6	Nuckolls	June	2	1934	2394	
Blue River, Lit.	Davis, John H.	Fairfield	Pump	Irrig.	.66	15	5	8	Clay	June	5	1934	2399	
Blue River, Lit.	Stokebrand, Wm.	De Witt	Pump	Irrig.	.84	5	2	1	Thayer	Aug.	1	1934	2451	
Blue River, Lit.	Johnston, Mrs. Hester	Oak	Pump	Irrig.	1.14	8	3	5	Nuckolls	Aug.	13	1934	2460	
Blue River, Lit.	Kasperek, I.	Fairbury	Pump	Irrig.	.54	6	1	3E	Jefferson	Nov.	3	1934	2491	
Blue River, Lit.	Rice, Clarence E.	Odell	Pump	Irrig.	.46	36	2	2E	Jefferson	Feb.	1	1935	2511	
Blue River, Lit.	Rice, C. E.	Odell	Pump	Irrig.	.54	24	3	1E	Jefferson	Feb.	20	1935	2517	
Blue River, Lit.	Lindgren and Bartlett	Edgar	Pumps	Irrig.	.21	19	4	6	Nuckolls	Aug.	7	1935	2553	
Blue River, Lit.	Corliss, Albert N.	Hebron	Pump	Irrig.	.93	9	2	2	Thayer	Jan.	25	1937	2682	
Blue River, Lit.	Hubbell, C. J.	Deweese	Pump No. 1.	Irrig.	.04	32	5	7	Clay	Jan.	30	1937	2689	
Blue River, Lit.	Hill, James R.	Deweese	Pump	Irrig.	.33	32	5	7	Clay	Mar.	26	1937	2723	
Blue River, Lit.	Sherman, Klen R., et al	Pauline	Pump No. 2.	Irrig.	.51	32	6	9	Adams	May	28	1937	2749	
Blue River, Lit.	McKenzie, F. W.	Hebron	Pump	Irrig.	.30	36	3	3	Thayer	Nov.	2	1937	2799	
Blue River, Lit.	Rice, Clarence E.	Odell	Powell Reservoir	Storage	†74	AF	24	3	1E	Jefferson	May	10	1940	3153
Blue River, Lit.	Goble, Jay	Ayr	Pump	Irrig.	.20	26	6	10	Adams	July	16	1940	3203	
Blue River, Lit.	Lehman, Clyde W.	Hardy	Pump	Irrig.	.29	18	4	6	Nuckolls	Aug.	31	1940	3247	
Blue River, Lit.	Cassell, Mrs. Guy B.	Steele City	Pump	Irrig.	.14	13	1	3E	Jefferson	Apr.	16	1941	3428	
Blue River, Lit.	Scroggin, John L., et al	Oak	Pump	Irrig.	.40	15	3	5	Nuckolls	Oct.	22	1941	3522	
Blue River, Lit.	Scroggin, John L., et al	Oak	Pump No. 2.	Irrig.	2.14	7	3	5	Nuckolls	Oct.	27	1941	3524	
Blue River, Lit.	Scroggin, John L., et al	Oak	Pump No. 3.	Irrig.	2.51	17	3	5	Nuckolls	Sept.	1	1942	3585	
Blue River, Lit.	Harrington, Ralph, Est.	Hastings	Pump	Irrig.	.15	4	5	10	Adams	Jan.	15	1944	3673	
Blue River, Lit.	Hinrichs, George	Davenport	Pump	Irrig.	.26	3	4	4	Thayer	Aug.	8	1946	3943*	
Blue River, Lit.	Mefford, Carl	Hastings	Pump	Irrig.	.30	6	9	9	Adams	Sept.	6	1946	3953	

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

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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.	Gartrell, Dr. I. D.	Clay Center.	Pump	Irrig.		34	5	7	Clay	Sept.	21	1946	3966
Crystal Lake Reservoir	Game, Forestation and Parks Commission, et al	Lincoln	Crystal Canal	Irrig.		27	6	10	Adams	Aug.	17	1912	1526
Ground Water	Nisely, Jerome C.	Edgar	Nisely Well	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	†65A	16	5	8	Clay	Mar.	10	1933	2307
Powell Res.	Rice, Clarence E.	Odell	Powell Canal	Stor-only		25	3	1E	Jefferson	May	10	1940	3154
Rose Creek	Wilson, Clyde	Fairbury	Pump	Irrig.	1.01	3	1	2E	Jefferson	July	14	1934	2425
Rose Creek	Rice, Clarence E.	Odell	Pump No. 3	Irrig.	1.00	7	1	3E	Jefferson	May	10	1940	3152
Rose Creek	Lamb, Bryan G.	Hubbell	Lamb Reservoir	Storage	†8A	29	1	1	Thayer	May	15	1942	3568
Rose Creek	Lamb, Bryan G.	Hubbell	Pump	Irrig.	.26	29	1	1	Thayer	Aug.	18	1944	3754
Rose Creek	Lamb, Bryan G.	Hubbell	Pump No. 2	Irrig.	.15	16	1	1	Thayer	Aug.	18	1944	3755
Sandy Cr., Big	Brinegar, M. A.	Alexandria	Pump	Irrig.	.43	6	3	1	Thayer	Apr.	11	1935	2537
Sandy Cr., Big	Joe, Frank	Alexandria	Pump	Irrig.	.18	12	3	1	Thayer	Oct.	29	1945	3857
Sandy Cr., Big, Springs, Trib. to	Game, Forestation and Parks Commission	Lincoln	Jefferson County Recreation Grounds	Resort	†300A	16	3	1E	Jefferson	June	14	1940	3179
Spring Branch	Brown, Vinton F., et al	Hubbell	Pumps	Irrig.	.33	16	1	1	Thayer	Oct.	14	1938	2892
Spring Creek	Alexander, Roy	Deshler	Pump	Irrig.	.51	17	2	3	Thayer	Apr.	9	1941	3426

REPORT OF THE STATE ENGINEER

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Anderson Res.	Anderson, Geo. F.	Stromsburg	Anderson Canal	Supple. I.	A-2862	34	14	2	Polk	Jan.	18	1946	3867	
Bear Creek	Mangus, Jerry T.	Beatrice	Pump	Irrig.	.50	24	4	6	E Gage	Jan.	24	1927	1887	
Bear Creek	State Board of Control.	Lincoln	Pumps	Irrig.	.95	36	4	6	E 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	Pumps	Irrig.	.18	1	10	3	York	Sept.	19	1939	2965	
Beaver Creek	Kirkpatrick, W. L.	York	Kirkpatrick Pump	Irrig.	.34	8	10	2	York	Dec.	6	1939	3036	
Beaver Creek	Axtell, J. Earl	York	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	6	E Gage	Jan.	11	1860	1048	
Blue River, Big	Consumers P. P. Dist.	Columbus	Milford Mills	Power	300.00	2	9	3	E Seward			1866	1044	
Blue River, Big	Consumers P. P. Dist.	Columbus	Blue Springs Plant	Power	450.00	17	2	7	E Gage			1868	1047	
Blue River, Big	Consumers P. P. Dist.	Columbus	Blue Springs Plant	Dredge	D-1047	17	2	7	E Gage	Nov.	7	1922	1692	
Blue River, Big	Consumers P. P. Dist.	Columbus	Blue Springs Plant	Dredge	D-1047	17	2	7	E Gage	Dec.	15	1922	1693	
Blue River, Big	Zwonecheck and Aksamit	Wilber	De Witt Mill	Power	200.00	19	5	5	E Gage	Jan.	1	1875	1046	
Blue River, Big	Consumers P. P. Dist.	Columbus	Holmesville Plant	Power	500.00	29	3	7	E Gage	Jan.	1	1903	1046	
Blue River, Big	Consumers P. P. Dist.	Columbus	Holmesville Plant	Rs. dam	D-1021	29	3	7	E Gage	Apr.		1882	1021	
Blue River, Big	Consumers P. P. Dist.	Columbus	Plant No. 1	Power	200.00	19	9	4	E Seward	May	3	1911	1095	
Blue River, Big	Jacobs, E.	Staplehurst	Jacobs Plant	Power	40.00	26	12	2	E Seward	July	8	1910	1006	
Blue River, Big	Norris Rural P. P. Dist.	Lincoln	Barneston Plant	Power	500.00	13	1	7	E Gage	Nov.	13	1911	1135	
Blue River, Big	Norris Rural P. P. Dist.	Lincoln	Barneston Plant	Rs. dam	A-1262	13	1	7	E Gage	Feb.	18	1913	1262	
										May	27	1920	1585	

* Denotes application pending.

† Reservoir capacity alleged by applicant.

Stor.-only. Land does not have a direct flow appropriation.

Supple. I. Storage water in addition to direct flow.

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

Source	Appropriator or Operator	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	Norris Rural P. P. Dist.	Lincoln	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 P. P. Dist.	Columbus	Plant No. 4	Power	100.00	32	9	4E	Seward	Aug.	14	1916	1463	
Blue River, Big	Consumers P. P. Dist.	Columbus	Shestak Plant	Power	200.00	35	7	4E	Saline	Feb.	6	1918	1506	
Blue River, Big	Consumers P. P. Dist.	Columbus	Shestak Plant	Dredge	A-1506	35	7	4E	Saline	Mar.	30	1925	1761	
Blue River, Big	Consumers P. P. Dist.	Columbus	Plant No. 3	Power	400.00	2	3	6E	Gage	Oct.	7	1922	1690	
Blue River, Big	Johnson, Chas. S. F.	Stromsburg	Pump	Irrig.	1.29	8	13	2	Polk	Mar.	26	1930	2130	
Blue River, Big	Sonderegger Nurseries and Seed House	Beatrice	Pump	Irrig.	.43	3	3	6E	Gage	Aug.	29	1930	2164	
Blue River, Big	Blevins, Mrs. Geo. E.	Shelby	Pump	Irrig.	.57	2	13	1	Polk	May	19	1934	2384	
Blue River, Big	Cekal, Edward J.	Beatrice	Pump	Irrig.	.41	24	3	6E	Gage	July	24	1934	2438	
Blue River, Big	Martz, Jno. E.	Seward	Pump	Irrig.	.64	20	11	3E	Seward	July	24	1934	2440	
Blue River, Big	Quackenbush, A. E.	Beatrice	Pump	Irrig.	.07	3	3	6E	Gage	July	25	1934	2441	
Blue River, Big	Olson, Paul A.	Milford	Pump	Irrig.	.64	22	10	3E	Seward	Aug.	1	1934	2453	
Blue River, Big	Brinkmeyer, Louis C.	Seward	Pump	Irrig.	.58	28	11	3E	Seward	Sept.	5	1934	2470	
Blue River, Big	Jorgenson, L.	Carmel, Calif.	Pump No. 1.	Irrig.	1.59	20	13	2E	Butler	Sept.	11	1934	2473	
Blue River, Big	Jorgenson, L.	Carmel, Calif.	Pump No. 2.	Irrig.	.74	24	13	1E	Butler	Sept.	26	1934	2479	
Blue River, Big	Karpisek, Frank P.	Ulysses	Pump	Irrig.	.61	20	13	2E	Butler	Nov.	20	1934	2495	
Blue River, Big	Weston, Margaret	Beatrice	Pump	Irrig.	1.39	11	4	5E	Gage	Apr.	18	1935	2540	
Blue River, Big	Stokebrand, Edwin	De Witt	Pump	Irrig.	.22	20	5	5E	Gage	Oct.	18	1935	2563	
Blue River, Big	Sonderegger Nurseries and Seed House	Beatrice	Pump	Irrig.	.50	3	3	6E	Gage	Oct.	25	1935	2565	
Blue River, Big	Miller, A. W.	Pickrell	Pump	Irrig.	.15	2	4	5E	Gage	July	29	1936	2601	
Blue River, Big	Morrill, Arthur D., et al	Stromsburg	Pumps	Irrig.	.42	13	13	3	Polk	Aug.	28	1936	2629	
Blue River, Big	Mares, Ed J., et al	Wilber	Pump	Irrig.	.05	14	6	4E	Saline	Sept.	9	1936	2636	

Blue River, Big.	Sheppard, Daisy E.	Shelby	Pump	Irrig.	.93	7	1E	Butler	Nov.	19	1936	2662
Blue River, Big.	Hronik, James.	Wilber	Pump	Irrig.	.70	35	7 4E	Saline	Dec.	26	1936	2677
Blue River, Big.	Buck, C. W.	De Witt	Pump	Irrig.	.49	13	5 4E	Saline	Mar.	27	1937	2725
Blue River, Big.	Rathbun, Henry L.	De Witt	Pump	Irrig.	1.00	18	5 5E	Gage	Apr.	28	1937	2737
Blue River, Big.	Birky, L. W.	Milford	Pump	Irrig.	.34	15	10 3E	Seward	July	7	1937	2759
Blue River, Big.	Imig, Edw. P., et al.	Seward	Pump No. 2	Irrig.	.53	20	11 3E	Seward	July	27	1937	2766
Blue River, Big.	Kruse, Henry H.	Seward	Pump	Irrig.	.65	20	11 3E	Seward	Aug.	24	1937	2776
Blue River, Big.	Novak, Emma B.	Crete	Pump	Irrig.	.33	10	7 4E	Saline	Sept.	16	1937	2788
Blue River, Big.	Gruntorad, Louis E.	Seward	Pump	Irrig.	.97	18	11 2E	Seward	Dec.	20	1937	2816
Blue River, Big.	Dunker, J. H. C., Est.	David City	Pump	Irrig.	.07	14	13 1E	Butler	Jan.	6	1938	2822
Blue River, Big.	Anderson, Geo. F.	Stromsburg	Pump	Irrig.	.99	3	13 2	Polk	Apr.	18	1938	2862
Blue River, Big.	Heumann, Henry	Seward	Pump	Irrig.	.14	34	11 3E	Seward	June	9	1939	2928
Blue River, Big.	Sonderegger Nurseries and Seed House	Beatrice	Pump	Irrig.	.20	3	3 6E	Gage	June	23	1939	2932
Blue River, Big.	Davis, D. D.	David City	Pump	Irrig.	.21	15	13 1E	Butler	Aug.	18	1939	2953
Blue River, Big.	Dunn, Mrs. Alice	De Witt	Pump	Irrig.	.58	12	5 4E	Saline	Sept.	11	1939	2962
Blue River, Big.	Tichy, Robert, Sr.	Wilber	Pump No. 2	Irrig.	.26	14	6 4E	Saline	Sept.	23	1939	2971
Blue River, Big.	Tichy, Robert, Sr.	Wilber	Pump No. 1	Irrig.	.38	35	6 4E	Saline	Sept.	23	1939	2972
Blue River, Big.	Reynolds, Charles	Milford	Pump	Irrig.	1.34	10	10 3E	Seward	Oct.	18	1939	2992
Blue River, Big.	Ramsey, Roland, et al.	Seward	Pump	Irrig.	.68	23	11 3E	Seward	Oct.	26	1939	2999
Blue River, Big.	Keller, William	Crete	Pump	Irrig.	.24	4	8 4E	Saline	Nov.	7	1939	3011
Blue River, Big.	Cooper, R. Matilda	Milford	Pump	Irrig.	.34	13	9 3E	Seward	Nov.	9	1939	3014
Blue River, Big.	Atherton, W. Dee	Beatrice	Pump	Irrig.	.09	7	3 7E	Gage	Apr.	24	1940	3142
Blue River, Big.	Kracke, Ben	De Witt	Pump	Irrig.	1.3	20	5 5E	Gage	June	24	1940	3188
Blue River, Big.	Quackenbush, Wm.	De Witt	Pump	Irrig.	.76	33	5 5E	Gage	July	22	1940	3206
Blue River, Big.	Buss, G. J.	Beatrice	Pump	Irrig.	.24	18	4 6E	Gage	July	22	1940	3207
Blue River, Big.	Schuerman, Mary	De Witt	Pump	Irrig.	.64	12	5 4E	Saline	July	24	1940	3214
Blue River, Big.	Mayland, Mrs. Chas. H.	Staplehurst	Pump No. 1	Irrig.	.47	26	12 2E	Seward	July	30	1940	3222
Blue River, Big.	Janecek, Mrs. Josephine	Wilber	Pumps	Irrig.	.68	10	6 4E	Saline	Aug.	6	1940	3225
Blue River, Big.	Sack, Jacob	Crete	Pump	Irrig.	1.13	9	8 4E	Saline	Aug.	13	1940	3230
Blue River, Big.	Weber, Wm.	Beatrice	Pump	Irrig.	.91	13	4 5E	Gage	Aug.	26	1940	3241
Blue River, Big.	Roehrkasse, Wm.	Seward	Pump	Irrig.	.32	23	11 3E	Seward	Aug.	29	1940	3245
Blue River, Big.	Coffin, Pearle	Shelby	Coffin Reservoir	Storage	†3A	8	13 1	Polk	Sept.	3	1940	3251

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	Apr. No.		
						S	T	R	County	Mo.			D	Yr.
Blue River, Big. (See A-3366)	Anderson, George F.	Stromsburg	Anderson Reservoir	Storage	†13AF	34	14	2	Polk	Jan.	9	1941	3365	
Blue River, Big.	Village of Surprise	Surprise	Surprise Reservoir	Storage		15	13	1	Butler	Oct.	13	1941	3519*	
Blue River, Big.	Boswell and Calvert	Lincoln	Pump	Irrig.	.73	35	10	3E	Seward	Oct.	27	1942	3589	
Blue River, Big.	Wagner, W. H., Estate	Lincoln	Pump	Irrig.	.16	19	4	6E	Gage	May	10	1943	3612	
Blue River, Big.	Rice, C. E.	Odell	Pump	Irrig.	.70	12	1	7E	Gage	July	24	1943	3626	
Blue River, Big. (See A-3365)	Anderson, Geo. F.	Stromsburg	Anderson Reservoir	Storage	†44.4AF	34	14	2	Polk	Jan.	18	1946	3866	
Blue River, Big.	Chaloupka, Leonard	Wilber	Pump	Irrig.	.89	10	6	4E	Saline	June	20	1946	3919	
Blue River, Big, Tributary to	Andrews, W. E.	Beatrice	Pump	Irrig.	.20	10	3	6E	Gage	Apr.	3	1931	2196	
Blue R., Big, W. F.	Consumers P. P. Dist.	Columbus	Plant No. 2	Power	100.00	32	9	3E	Seward	Jan.	3	1912	1153	
Blue R., Big, W. F.	Consumers P. P. Dist.	Columbus	Plant No. 2	Rs. dam	A-1153	32	9	3E	Seward	Aug.	21	1918	1520	
Blue R., Big, W. F.	Consumers P. P. Dist.	Columbus	Plant No. 3	Power	100.00	5	8	4E	Saline	Mar.	13	1913	1265	
Blue R., Big, W. F.	Consumers P. P. Dist.	Columbus	Plant No. 3	Rs. dam	A-1265	5	8	4E	Saline	Aug.	21	1918	1521	
Blue R., Big, W. F.	Consumers P. P. Dist.	Columbus	Plant No. 3	Rs. dam	A-1265	5	8	4E	Saline	Dec.	28	1920	1599	
Blue R., Big, W. F. & School Creek	Garbe, Mrs. Albert	Grafton	Blue Park Dam	Power	66.00	1	8	4	Fillmore	Aug.	4	1917	1494	
Blue R., Big, W. F.	Consumers P. P. Dist.	Columbus	Bow Span Plant	Power	100.00	26	9	2E	Seward	Dec.	17	1920	1595	
Blue R., Big, W. F.	Consumers P. P. Dist.	Columbus	Big Bend Plant	Power	100.00	11	8	3E	Saline	Dec.	17	1920	1596	
Blue R., Big, W. F.	Nelson, Louie E.	Inland	Pump	Irrig.	.48	27	8	8	Clay	Feb.	11	1927	1899	
Blue R., Big, W. F.	Warren, Herbert F.	Trumbull	Pump	Irrig.	.16	13	8	9	Adams	Nov.	26	1927	1971	
Blue R., Big, W. F.	Show, Frank	McCool Jct.	Pump	Irrig.	.42	18	9	2	York	Oct.	19	1928	2048	
Blue R., Big, W. F.	Swanson, S. A.	Hastings	Pump	Irrig.	1.90	4	7	9	Adams	Apr.	4	1929	2076	
Blue R., Big, W. F.	Bradshaw	Muirhead	Muirhead Canal	Irrig.	.93	30	9	5	Hamilton	Sept.	13	1929	2103	
Blue R., Big, W. F.	Show, Frank	McCool Jct.	Pump	Irrig.	.32	18	9	2	York	Mar.	16	1934	2363	
Blue R., Big, W. F.	Schmidt, Otto	Fairmont	Pump	Irrig.	.43	3	8	3	Fillmore	July	14	1934	2426	
Blue R., Big, W. F.	Casteel, Lonie E.	Crete	Pump	Irrig.	1.43	5	8	4E	Saline	July	18	1934	2429	

BUREAU OF IRRIGATION

Blue R., Big, W. F.	Nave, C. D.	Creta	Pump	Irrig.	.39	5	8	4E	Saline	July	18	1934	2430
Blue R., Big, W. F.	Johnson, Arthur F.	Dorchester	Pump	Irrig.	.37	32	9	3E	Seward	July	23	1934	2435
Blue R., Big, W. F.	Mohlman, James A.	Hastings	Pump	Irrig.	.56	25	8	9	Adams	Aug.	9	1934	2458
Blue R., Big, W. F.	Rehor, Clara W.	Beaver	Pump	Irrig.	.41	3	9	1E	Seward	Apr.	30	1935	2543
		Crossing											
Blue R., Big, W. F.	Steffegen, Mrs. Marie	Grafton	Pump	Irrig.	.08	8	8	3	Fillmore	June	15	1936	2581
Blue R., Big, W. F.	Morford, J. C.	Beaver	Pump	Irrig.	.29	18	9	2E	Seward	July	21	1936	2593
		Crossing											
Blue R., Big, W. F.	Gilmore, Oden S.	York	Pump	Irrig.	.43	7	9	1	York	July	27	1936	2600
Blue R., Big, W. F.	Kaliff, R. L.	York	Pumps	Irrig.	1.10	25	9	3	York	Aug.	15	1936	2614
Blue R., Big, W. F.	Semler, Emil F.	Seward	Pump	Irrig.	.25	32	9	3E	Seward	Aug.	27	1936	2626
Blue R., Big, W. F.	Franz, George G.	Henderson	Pump	Irrig.	.12	19	9	4	York	Oct.	24	1936	2649
Blue R., Big, W. F.	Sandy, Dorothy E.	Baxter, Iowa	Pump	Irrig.	.11	15	9	2	York	Nov.	2	1936	2650
Blue R., Big, W. F.	City Trust Company	York	Pump	Irrig.	.71	19	9	2	York	Feb.	6	1937	2695
Blue R., Big, W. F.	Miller, Clifford E.	Omaha	Pump	Irrig.	.97	27	9	4	York	Apr.	17	1937	2732
Blue R., Big, W. F.	Miller, Sam	Dorchester	Pump	Irrig.	.35	3	8	3E	Saline	July	6	1937	2758
Blue R., Big, W. F.	Gard, Alvin J.	Beaver	Pump	Irrig.	.86	1	9	1	York	Aug.	19	1937	2775
		Crossing											
Blue R., Big, W. F.	Deremer, Wm. G.	Beaver	Pump	Irrig.	.37	31	10	1E	Seward	Sept.	10	1937	2783
		Crossing											
Blue R., Big, W. F.	Matzke, Stanley and Simmons, Robt. G.	Seward	Pump	Irrig.	.31	16	9	2E	Seward	Sept.	11	1937	2784
		Lincoln											
Blue R., Big, W. F.	Baller, Albert L.	York	Pump	Irrig.	1.04	7	9	1	York	Nov.	1	1938	2894
Blue R., Big, W. F.	Miller, Clifford	McCool Jct.	Miller Plant	Power	28.00	10	9	2	York	Aug.	31	1939	2955
Blue R., Big, W. F.	Sack, Dean	York	Pump	Irrig.	.99	9	9	1	York	Nov.	1	1939	3003
Blue R., Big, W. F.	Buller, Cornelius P.	Fairmont	Pump	Irrig.	.20	36	9	4	York	Nov.	14	1939	3017
Blue R., Big, W. F.	Broehl, C. A.	Grafton	Pump	Irrig.	.29	35	9	4	York	Dec.	23	1939	3066
Blue R., Big, W. F.	Novak, Joe H.	Fairmont	Pump	Irrig.	.24	2	8	3	Fillmore	Jan.	24	1940	3085
Blue R., Big, W. F.	Bors, Joe, Jr. and McGowan, James A.	McCool Jct.	Pump	Irrig.	.84	36	9	3	York	Apr.	12	1940	3133
		York											
Blue R., Big, W. F.	Phelps, Guy J.	Exeter	Pump	Irrig.	.44	9	9	1	York	May	14	1940	3159
Blue R., Big, W. F.	Steenburg, Donald B.	Aurora	Pump	Irrig.	.18	26	9	5	Hamilton	July	5	1940	3194
Blue R., Big, W. F.	Kubicek, Ralph	Waco	Pump	Irrig.	.37	2	9	1	York	July	15	1940	3199

† Reservoir capacity alleged by applicant.

* Denotes application pending.

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

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Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Mo.			D	Yr.
Blue R., Big, W. F.	Madison, M.	Goehner	Pump	Irrig.	.31	17	9	2E	Seward	Aug.	7	1940	3226	
Blue R., Big, W. F.	Cast, Robert	Beaver Crossing	Pump	Irrig.	.38	17	9	2E	Seward	Aug.	23	1940	3238	
Blue R., Big, W. F.	Farney and Work	Aurora	Pump	Irrig.	.10	33	9	6	Hamilton	Aug.	27	1940	3242	
Blue R., Big, W. F.	Bors, Victor E.	McCool Jct.	Pump	Irrig.	.23	36	9	3	York	Sept.	4	1940	3254	
Blue R., Big, W. F.	Matzke, Stanley and Simmons, Robt. G.	Seward Lincoln	Pump No. 2	Irrig.	.27	16	9	2E	Seward	Sept.	24	1940	3273	
Blue R., Big, W. F.	Morrison, Anna J.	York	Pump	Irrig.	.15	35	9	3	York	Sept.	28	1940	3277	
Blue R., Big, W. F.	O'Connor, P. J., et al	Fairmont	Pump	Irrig.	.10	8	8	3	Fillmore	Oct.	19	1940	3300	
Blue R., Big, W. F.	Lauber, Herbert E.	Geneva	Pump	Irrig.	.66	9	8	3	Fillmore	Apr.	21	1941	3432	
Blue R., Big, W. F.	Cast, Robert	Beaver Crossing	Pump	Irrig.	.39	17	9	2E	Seward	Apr.	30	1941	3436	
Blue R., Big, W. F.	Gocke, H. F.	Waco	Pump	Irrig.	.59	3	9	1	York	Aug.	9	1941	3484	
Blue R., Big, W. F.	Cranston, Harlan	Stockham	Pump	Irrig.	.21	25	9	6	Hamilton	Dec.	4	1942	3590	
Blue R., Big, W. F.	Lauber, Herbert E.	Geneva	Pump	Irrig.	.92	9	8	3	Fillmore	May	1	1943	3610	
Blue R., Big, W. F.	Miller, Sam	Dorchester	Pump	Irrig.	.39	3	8	3E	Saline	Aug.	3	1943	3628	
Blue R., Big, W. F.	Bors, Joe, Jr.	McCool Jct.	Pump	Irrig.	.09	36	9	3	York	Apr.	19	1944	3715	
Blue R., Big, W. F.	Deremcr, Wm. G.	Beaver Crossing	Pump	Irrig.	.06	31	10	1E	Seward	Aug.	9	1944	3749	
Blue R., Big, W. F.	Bergstrand, Harry	Fairmont	Pump	Irrig.	.41	8	8	3	Fillmore	Mar.	21	1945	3816	
Blue R., Big, W. F.	Harvey, Harry E.	Lincoln	Pump	Irrig.	.96	22	9	2E	Seward	May	15	1945	3833	
Blue R., Big, W. F.	Reed, Abraham L.	Omaha	Pump	Irrig.	.21	35	9	4	York	July	23	1945	3847	
Blue R., Big, W. F.	Clark, W. C., Est.	Dorchester	Pump	Irrig.	.35	3	8	3E	Saline	Apr.	17	1946	3893	
Blue R., Big, W. F.	Borchers, Henry, et al	Henderson	Pump	Irrig.		25	9	5	Hamilton	Aug.	7	1946	3942	
Blue R., Big, W. F., Trib. to	Schaare, Hertha	Crete	Pump	Irrig.	.16	10	8	3E	Saline	Sept.	25	1939	2975	

REPORT OF THE STATE ENGINEER

Blue R., Big, S. F.	Smith, Richard A., et al	Geneva	Pump	Irrig.	.08	1	8	4	Fillmore	Oct.	11	1941	3518
Cub Creek	Keuten, Diedrich	Jansen	Pump	Irrig.	.20	8	3	4E	Jefferson	Nov.	4	1940	3322
Cub Creek	Von Riesen, Catherine	Beatrice	Pump	Irrig.	.74	23	4	5E	Gage	Mar.	29	1944	3704
Ground Water	Holm, Chris	Hampton	Holm Well	Irrig.		4	10	5	Hamilton	Dec.	3	1940	3340*
Ground Water	Holm, Chris	Hampton	Holm Well	Irrig.		4	10	5	Hamilton	Feb.	24	1944	3689*
Ground Water	Heinzman, Scott E.	Phillips	Heinzman Well	Irrig.		33	11	8	Hamilton	Feb.	29	1944	3691*
Ground Water	Weber, Paul A.	Phillips	Weber Well	Irrig.		2	10	8	Hamilton	Mar.	2	1944	3692*
Ground Water	McKelvie Brothers Co.	Aurora	McKelvie Brothers Well	Irrig.		31	10	6	Hamilton	Mar.	6	1944	3695*
Ground Water	Eskildsen, Hans M.	Hampton	Eskildsen Well	Irrig.		21	11	5	Hamilton	Mar.	15	1944	3698*
Ground Water	Schumacher, J., Estate	Hampton	Petersen Well	Irrig.		28	11	5	Hamilton	Mar.	15	1944	3699*
Ground Water	Thieszen, Daniel	Henderson	Thieszen Well	Irrig.		35	10	5	Hamilton	Mar.	31	1944	3705*
Ground Water	Bamesberger, Carl G.	Hampton	Bamesberger Well	Irrig.		2	10	5	Hamilton	Apr.	3	1944	3707*
Ground Water	Purdy, Alvin	Phillips	Purdy Well	Irrig.		19	11	7	Hamilton	Apr.	11	1944	3710*
Ground Water	Huenefeld, C. H.	Aurora	Huenefeld Well	Irrig.		25	10	7	Hamilton	Apr.	17	1944	3713*
Ground Water	Byers, Chas. E., et al	Aurora	Byers Well	Irrig.		31	11	6	Hamilton	Apr.	29	1944	3720*
Ground Water	Stuhr, Walter H.	York	Stuhr Well No. 1.	Irrig.		29	12	2	York	Mar.	31	1945	3820*
Ground Water	Hansen, C. C.	Aurora	Hansen Well	Irrig.		15	11	6	Hamilton	Apr.	16	1945	3827*
Ground Water	Miller, Edna M., et al	Dorchester	Miller Well	Irrig.		17	8	3E	Saline	May	7	1945	3830*
Ground Water	Klute, Gerhardt W.	Hampton	Klute Well	Irrig.		27	11	5	Hamilton	July	27	1945	3850*
Ground Water	Daehling, Ernest	Staplehurst	Daehling Well	Irrig.		33	12	2E	Seward	Apr.	4	1946	3888*
Ground Water	Scott, Robert A.	Phillips	Scott Well	Irrig.		28	11	8	Hamilton	May	14	1946	3907*
Indian Cr., Big (See Spring Branch)	Fink, Alvin M.	Wymore	Pump	Irrig.	.10	25	2	6E	Gage	Feb.	23	1935	2518
Lincoln Creek	Thorp and Harris	Thayer	Thayer Mills	Power		25	12	2	York			1053*	
Lincoln Creek	Ritterbush, Fred	Seward	Pumps	Irrig.	.67	33	12	2E	Seward	Nov.	22	1934	2496
Lincoln Creek	Daehling, Ernest	Staplehurst	Pump	Irrig.	.36	33	12	2E	Seward	July	22	1937	2764
Lincoln Creek	fmig, Edw. P., et al	Seward	Pump No. 1	Irrig.	.31	20	11	3E	Seward	July	27	1937	2765

*Denotes application pending, or claim not adjudicated.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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	Nelson, Lee M.	Rochester, Minnesota	Pumps	Irrig.	.34	13	11	2E	Seward	Aug.	18	1937	2773
					.32	24	11	2E	Seward	Aug.	18	1937	2773
Lincoln Creek	Curry, J. F.	Seward	Pump	Irrig.	.94	19	11	3E	Seward	Apr.	12	1938	2861
Lincoln Creek	Kruse, Herman F., et al	Seward	Pump	Irrig.	.81	19	11	3E	Seward	Sept.	12	1938	2833
Lincoln Creek	Lindstrom, Annie B., et al	Waco	Pump	Irrig.	.36	21	12	1	York	Nov.	8	1939	3013
Lincoln Creek	Zieme, Wm.	Utica	Pump	Irrig.	.26	31	12	1E	Seward	Dec.	1	1939	3034
Lincoln Creek	Jones, Mrs. Dorothy	Seward	Pump	Irrig.	.28	13	11	2E	Seward	Dec.	11	1939	3045
Lincoln Creek	Schneebeck, Mrs. Sophia	Seward	Pump	Irrig.	.46	24	11	2E	Seward	Dec.	18	1939	3056
Lincoln Creek	Curry, J. F.	Seward	Pump	Irrig.	1.15	19	11	3E	Seward	Feb.	28	1940	3097
Lincoln Creek	Mayland, Mrs. Chas. H.	Staplehurst	Pump No. 2	Irrig.	.36	11	11	2E	Seward	July	30	1940	3223
Lincoln Creek	Parker, Cora Belle	Utica	Pump	Irrig.	.35	34	12	2	York	Sept.	16	1940	3266
Lincoln Creek	Steenburg, Donald B.	Aurora	Pumps	Irrig.	.34	2	10	6	Hamilton	Sept.	27	1940	3276
Lincoln Creek	Grosshans, Andrew	York	Pump	Irrig.	.28	14	11	3	York	Oct.	21	1940	3303
Lincoln Creek	Schneebeck, Mrs. Sophia	Seward	Pump	Irrig.	.37	24	11	2E	Seward	Oct.	21	1940	3304
Lincoln Creek	Hurlbut, M. A.	York	Pump	Irrig.	.56	19	11	2	York	Aug.	5	1941	3481
Lincoln Creek	Edgerton, Frank E.	Aurora	Pump	Irrig.	.68	30	11	5	Hamilton	Sept.	9	1943	3644
Lincoln Creek	Frank, Geo. C.	York	Pump	Irrig.	.31	35	12	2	York	Feb.	19	1946	3874
School Creek	Trautman, Henry, et al	Sutton	Pump	Irrig.	.16	17	8	4	Fillmore	Apr.	19	1940	3141
School Creek	Fitzgerald, Tom	Grafton	Pump	Irrig.	.05	20	8	4	Fillmore	June	3	1942	3572
Spring Branch (See Indian Creek)	Fink, Alvin M.	Wymore	Pump	Irrig.	.07	25	2	6E	Gage	Feb.	23	1935	2513
Swan Creek	Schmidtt, Frederick	De Witt	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	Pump	Irrig.	1.23	4	7	1E	Saline	May	3	1934	2376
Turkey Creek	Divoky, Rudolph	Friend	Pump	Irrig.	1.13	34	8	1E	Saline	May	25	1934	2386
Turkey Creek	Dilley, Edward A., Est.	Friend	Pump	Irrig.	2.11	33	8	2E	Saline	June	30	1934	2414
Turkey Creek	Belka, John	Dorchester	Pump	Irrig.	.58	4	7	3E	Saline	July	13	1934	2424
Turkey Creek	Engel, H. H.	Friend	Pump	Irrig.	.73	8	7	1E	Saline	July	19	1934	2432
Turkey Creek	Hasenohr, Fred	De Witt	Pump	Irrig.	.33	24	5	4E	Saline	May	3	1935	2546
Turkey Creek	Stokebrand, Edwin	De Witt	Pump	Irrig.	.49	29	5	5E	Gage	Oct.	18	1935	2562
Turkey Creek	Ebke, Henry	De Witt	Pump	Irrig.	.40	24	5	4E	Saline	Oct.	16	1936	2645
Turkey Creek	Hamouz, Lew	Milligan	Pump	Irrig.	.04	35	7	1	Fillmore	Nov.	3	1936	2651
Turkey Creek	Yokel, J. C.	Friend	Pump	Irrig.	.96	17	7	1E	Saline	Mar.	24	1938	2853
Turkey Creek	Barney, John E.	Friend	Pump	Irrig.	.30	32	8	2E	Saline	Sept.	9	1939	2961
Turkey Creek	Eret, Adolph	Dorchester	Pump	Irrig.	.41	34	8	2E	Saline	July	23	1940	3209
Turkey Creek	Damkroger, Henry W.	De Witt	Pumps	Irrig.	.46	29	5	5E	Gage	Aug.	20	1940	3235
Turkey Creek	Waldo, Mrs. Lizzie	De Witt	Pumps	Irrig.	.53	24	5	4E	Saline	Aug.	27	1940	3243
									19	5	5E		
Turkey Creek	Drake, D. E.	Friend	Pump	Irrig.	.61	32	8	2E	Saline	Sept.	24	1940	3274
Turkey Creek	Vossler, Mrs. Esther A.	Friend	Pump	Irrig.	.09	36	8	1E	Saline	Oct.	9	1940	3288
Turkey Creek	Dvorak, John	Wilber	Pump	Irrig.	.11	23	6	4E	Saline	Dec.	7	1940	3344
Turkey Creek	Svejda, Vaclav	Crete	Pump	Irrig.	.04	23	7	3E	Saline	July	28	1941	3473
Turkey Creek	Semrad, James	Crete	Pump	Irrig.	.16	14	7	3E	Saline	Aug.	4	1941	3479
Turkey Creek	Arnold, Lillie D.	Dorchester	Pump	Irrig.	.23	35	8	2E	Saline	May	14	1942	3566
Turkey Creek	Southwick, P. O.	Friend	Pump	Irrig.	.28	2	7	1E	Saline	Feb.	2	1946	3872
Turkey Creek	Sloan, William M.	Lincoln	Pump	Irrig.		20	7	2	Fillmore	Sept.	21	1946	3967

*Denotes claim not adjudicated.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Mo.			D|Yr.	
Bennett Res.	Rodman, Walter M.	Kimball	Bennett Canal	Supple. I...	A-691	22	15	55	Kimball	Oct.	2|1902	---	691	
Bennett Res.	Rodman, Walter M.	Kimball	Bennett Canal	Stor-only		22	15	55	Kimball	Jan.	13|1928	---	1975	
Flood Water	Fifield, C. M.	Kimball	Fifield Canal	Irrig.		.57	22	15	56	Kimball	Apr.	27|1911	---	1091
Ground Water (Lodgepole Cr.)	McIntosh, J. L. and Martin, Paul L.	Sidney	McIntosh-Martin Pump	Irrig.		1.23	35	14	50	Cheyenne	Nov.	22|1922	---	1095
Ground Water	S. A. Foster Lumber Co.	Lincoln	Foster Wells	Irrig.		.66	8	13	48	Cheyenne	Apr.	29|1931	---	2200
Ground Water	Rodman, Roland V.	Denver, Colo.	Rodman Well No. 1	Irrig.		28	15	51	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|1933	---	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	Kimball	May	27|1940	---	3167*	
						35	15	54	Kimball	May	27|1940	---	3167*	
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 Well	Irrig.		4	13	50	Cheyenne	Jan.	26|1942	---	3546*	
Lodgepole Creek	Stahla, Henry, et al	Kimball	Bickel Canal	Irrig.		.30	30	15	55	Kimball	Dec.	31|1876	347	---
Lodgepole Creek	Alfred Forsling Est., Inc.	Kimball	Owasco Canal	Irrig.		1.20	29	15	55	Kimball	Dec.	31|1876	347R	---
Lodgepole Creek	Gunderson, A., Estate	Potter	Gunderson Canal	Irrig.		1.43	1	14	52	Cheyenne	June	1|1879	305	---
Lodgepole Creek	Fuller, Mrs. Jessie L.	Sidney	Runge Canal No. 1	Irrig.		1.71	20	14	50	Cheyenne	Apr.	15|1880	339	---
Lodgepole Creek	Fuller, Mrs. Jessie L.	Sidney	Runge Canal No. 2	Irrig.		.50	20	14	50	Cheyenne	Apr.	15|1882	338	---

Lodgepole Creek	Carlson, Mrs. Christina	Potter	Anderson Canal No. 1	Irrig.	2.50	8	14	51	Cheyenne	June	30	1882	373	—
Lodgepole Creek	Rodman, Walter M.	Kimball	Circle Arrow Canal	Irrig.	3.71	30	15	54	Kimball	July	1	1882	346	—
Lodgepole Creek	Fuller, Clark H., et al.	Sidney	Urbach Canal	Irrig.	.86	15	14	51	Cheyenne	Sept.	1	1882	308	—
Lodgepole Creek	Booth, Esther, Estate	Sunol	Booth Canal	Irrig.	4.29	29	14	47	Cheyenne	May	51	1883	309	—
													310	—
Lodgepole Creek	McAuliffe, John F.	Chappell	McAuliffe Canal	Irrig.	2.29	21	13	45	Deuel	Dec.	31	1884	814	—
Lodgepole Creek	Ferguson, John H.	Kimball	Kinney Canal No. 2	Irrig.	2.71	33	15	56	Kimball	Dec.	31	1884	348	—
Lodgepole Creek	Libby, Mary A., Est.	Lodgepole	Libby Canal	Irrig.	2.00	36	14	47	Cheyenne	Dec.	31	1884	312	—
Lodgepole Creek	Dickinson, Florence Pearl	Lodgepole	Dickinson Canal	Irrig.	1.14	26	14	47	Cheyenne	Jan.	1	1885	969	—
Lodgepole Creek	Ruttner, Edward A.	Lodgepole	Howard Canal	Irrig.	.86	31	14	47	Cheyenne	Apr.	10	1885	336	—
Lodgepole Creek	Krueger, Wm. F., et al	Sidney	Krueger Canal No. 3	Irrig.	1.14	32	14	48	Cheyenne	May	1	1885	323	—
Lodgepole Creek	Wolf, Mrs. H. D.	Chappell	Wolf Canal	Irrig.	1.00	18	13	45	Deuel	Dec.	31	1885	813	—
Lodgepole Creek	Rodman, Walter M.	Kimball	McIntosh Canal	Irrig.	3.31	23	15	55	Kimball	Apr.	16	1886	351	—
Lodgepole Creek	Krueger, Wm. F., et al	Sidney	Krueger Canal No. 2	Irrig.	2.29	32	14	48	Cheyenne	Oct.	10	1886	324	—
Lodgepole Creek	Beyer, Frank	Sidney	Borquist Canal	Irrig.	.71	34	14	49	Cheyenne	Apr.	30	1887	300	—
Lodgepole Creek	Beyer, Frank	Sidney	Borquist Canal	Irrig.	1.29	34	14	49	Cheyenne	Apr.	30	1887	301	—
Lodgepole Creek	Dickinson, Friend	Sunol	McLaughlin Canal	Irrig.	1.00	25	14	48	Cheyenne	May	1	1887	966	—
Lodgepole Creek	George, J. Harvey	Sidney	Mitchell Canal	Irrig.	.86	8	14	51	Cheyenne	Sept.	1	1887	304	—
Lodgepole Creek	Barstow and Roche	Sidney	Tobin Canal	Irrig.	.83	28	14	47	Cheyenne	July	31	1888	330	—
Lodgepole Creek	Barstow and Roche	Sidney	Tobin Canal	Irrig.	.50	28	14	47	Cheyenne	July	31	1888	330R	—
Lodgepole Creek	Barstow and Roche	Sidney	Tobin Canal	Irrig.	.96	28	14	47	Cheyenne	July	31	1888	330R	—
Lodgepole Creek	Peetz, John	Sidney	Bordwell Canal	Irrig.	1.43	35	14	49	Cheyenne	Aug.	1	1888	303	—
Lodgepole Creek	Wearin, Wm. H.	Carleton	Premier Canal	Irrig.	2.48	3	14	58	Kimball	Apr.	11	1889	340	—
Lodgepole Creek	Peetz, John	Sidney	Bordwell Canal	Irrig.	.86	35	14	49	Cheyenne	Apr.	27	1889	302	—
Lodgepole Creek	Farmer, Marion	Kimball	Atkins-Polly Canal	Irrig.	.79	30	15	55	Kimball	May	6	1889	342	—
Lodgepole Creek	Wearin, Wm. H.	Carleton	Independent Canal	Irrig.	3.14	7	14	58	Kimball	May	6	1889	343	—
Lodgepole Creek	Atkins, D. K.	Kimball	Atkins-Polly Canal	Irrig.	.43	30	15	55	Kimball	May	6	1889	344	—
Lodgepole Creek	Ferguson, John H.	Kimball	Kinney Canal	Irrig.	2.00	31	15	56	Kimball	May	14	1889	345	—
Lodgepole Creek	Haberstroh, W. A.	Omaha	Young Canal	Irrig.	.50	33	15	57	Kimball	May	28	1889	349	—
Lodgepole Creek	Linn, Kenneth	Kimball	Ruttner (Old) Canal	Irrig.	.81	31	15	56	Kimball	June	4	1889	350	—
Lodgepole Creek	Linn, Kenneth	Kimball	Ruttner (New) Canal	Irrig.	.33	36	15	57	Kimball	June	4	1889	350R	—
Lodgepole Creek	Oberfelder, Irving T.	Detroit, Mich.	Oberfelder Canal	Irrig.	.43	31	14	46	Cheyenne	June	10	1889	333	—

Supple. I. Denotes storage water in addition to direct flow.
 Stor-only. Land does not have a direct flow appropriation.
 * Denotes application pending.
 "R" Denotes relocation.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Mo.			D	Yr.
Lodgepole Creek	Mayborn, Thos. W.	Chappell	Bullock Canal	Irrig.	1.43	3	13	46	Deuel	June	25	1889	296	—
Lodgepole Creek	Carlson, Myron F.	Chappell	Persinger Canal	Irrig.	4.57	33	14	46	Deuel	June	25	1889	297	—
Lodgepole Creek	Krueger, Wm. F., et al	Sidney	Krueger Canal No. 1	Irrig.	3.00	29	14	48	Cheyenne	June	26	1889	325	—
Lodgepole Creek	Atkins, Vernon, et al	Kimball	Brady Canal	Irrig.	.71	28	15	54	Kimball	Aug.	16	1889	352	—
Lodgepole Creek	Gross, Chas. C.	Pine Bluff, Wyoming	Hoover Canal	Irrig.	1.43	12	14	59	Kimball	Sept.	4	1889	353	—
Lodgepole Creek	Equitable Life Ins. Co.	Des Moines, Iowa	Ickes Canal	Irrig.	2.50	28	14	50	Cheyenne	Mar.	25	1891	329	—
Lodgepole Creek	Egging, Francis H.	Potter	Adams Canal	Irrig.	1.43	3	14	52	Cheyenne	July	1	1891	371	—
Lodgepole Creek	Garrard, Robert, et al	Kimball	Hurley-Lilly-Polly Canal	Irrig.	2.57	26	15	56	Kimball	Oct.	1	1891	354	—
Lodgepole Creek	Thorstensen, Nels	Potter	Christensen Canal	Irrig.	.57	7	14	51	Cheyenne	Apr.	15	1893	366	—
Lodgepole Creek	Thorstensen, Nels	Potter	Christensen Canal	Irrig.	.43	7	14	51	Cheyenne	Apr.	15	1893	367	—
Lodgepole Creek	Van Aelstyn, Ed	Sidney	Trognitz Canal	Irrig.	1.00	36	14	50	Cheyenne	June	1	1893	365	—
Lodgepole Creek	Oberfelder, Irving T.	Detroit, Mich.	Oberfelder Canal	Irrig.	2.00	31	14	46	Cheyenne	Dec.	30	1893	306	—
Lodgepole Creek	Borgmann, Henry F.	Lodgepole	Barrett Canal	Irrig.		32	14	46	Cheyenne				334*	—
Lodgepole Creek	Krueger, Wm. F., et al	Sidney	Krueger Canal	Irrig.	1.00	29	14	48	Cheyenne	May	1	1894	968	—
Lodgepole Creek	Lyngholm, Hannah	Sidney	Lyngholm Canal	Irrig.	.36	14	14	51	Cheyenne	Nov.	1	1894	337	—
Lodgepole Creek	Dickinson, Geo. W., et al	Lodgepole	Dickinson Canal	Irrig.	2.29	33	14	47	Cheyenne	May	10	1896	967	—
Lodgepole Creek	Carlson, Myron F.	Chappell	Bullock Canal	Irrig.	.57	4	13	46	Deuel	Feb.	16	1898	—	437
Lodgepole Creek	Alfred Forsling Est., Inc.	Kimball	Maltese Cross Canal	Irrig.	.21	36	15	57	Kimball	May	16	1898	—	454
Lodgepole Creek	Wearin, Wm. H.	Carleton	Bushnell Canal	Irrig.	3.00	2	14	58	Kimball	Apr.	15	1899	—	504
Lodgepole Creek	Wiegand, Lyle H.	Chappell	Wiegand Canal	Irrig.	2.00	17	13	45	Deuel	May	31	1900	—	563
Lodgepole Creek	Brown, G. B.	Chappell	Neuman Canals 1-2	Irrig.	1.89	36	13	45	Deuel	June	12	1900	—	565
Lodgepole Creek	Peterson, H. C.	Chappell	Wertz Canal	Irrig.	2.86	12	13	46	Deuel	Feb.	14	1901	—	600
Lodgepole Creek	Neuman, Guy C.	Chappell	Neuman Canal	Irrig.	1.29	26	13	45	Deuel	Apr.	17	1901	—	611
Lodgepole Creek	Williams, Albert	Chappell	Johnson Canal	Irrig.	2.01	23	13	45	Deuel	Apr.	17	1901	—	612

BUREAU OF IRRIGATION

Lodgepole Creek (See A-1974)	Rodman, Walter M.	Kimball	Bennett Reservoir	Storage	†700AF	22	15	55	Kimball	Mar.	13	1902	657
Lodgepole Creek	Rabe, George H.	Chappell	Naslund Canal	Irrig.	.90	1	12	45	Deuel	Apr.	16	1902	661
Lodgepole Creek	Rodman, Walter M.	Kimball	Bennett Canal	Irrig.	1.22	22	15	55	Kimball	Oct.	2	1902	691
Lodgepole Creek	Forsling, Alfred	Kimball	Forsling Canal	Irrig.	1.50	34	15	57	Kimball	Apr.	24	1903	703
Lodgepole Creek	Quinn, Harold	Casper, Wyo.	Kinney-Forsling Canal	Irrig.	1.07	33	15	56	Kimball	July	25	1903	718
Lodgepole Creek	Quinn, Harold	Casper, Wyo.	Ruttner-Kinney Canal	Irrig.	.75	31	15	56	Kimball	July	25	1903	718R
Lodgepole Creek	Stahla, Henry	Kimball	Bickel Canal	Irrig.	.93	30	15	55	Kimball	Aug.	3	1903	719
Lodgepole Creek	Fuller, Clark H., et al	Sidney	Pomeroy Canal No. 1	Irrig.	.57	15	14	51	Cheyenne	Aug.	20	1903	723
Lodgepole Creek	Atkins, D. K.	Kimball	Faden Canal	Irrig.	.14	30	15	55	Kimball	Sept.	9	1903	724
Lodgepole Creek	Rodman, Walter M.	Kimball	Owasco Canal	Irrig.	9.84	29	15	55	Kimball	Sept.	12	1903	725
Lodgepole Creek	Linn, Kenneth	Kimball	Ruttner (New) Canal	Irrig.	.51	36	15	57	Kimball	Sept.	16	1903	727
Lodgepole Creek	Rodman, Walter M. and Uhl, David	Kimball	McIntosh Canal	Irrig.	1.75	23	15	55	Kimball	Dec.	15	1903	734
Lodgepole Creek	Clark, Donald	Chappell	Smith Canal	Irrig.	3.86	12	12	45	Deuel	Aug.	18	1906	850
Lodgepole Creek	Soderquist, Peter, Est.	Chappell	Ralton System	Irrig.	2.59	12	12	45	Deuel	Jan.	4	1907	847
Lodgepole Creek	Quinn, Harold	Casper, Wyo.	Ruttner (Yoder) Canal	Irrig.	2.71	36	15	57	Kimball	Apr.	9	1907	857
Lodgepole Creek	Walker, I. S., Estate	Kimball	Ruttner (New) Canal	Irrig.	.63	36	15	57	Kimball	Sept.	16	1907	869
Lodgepole Creek	Gross, Chas. C.	Pine Bluff, Wyoming	Tracy Canal	Irrig.	.50	12	14	59	Kimball	Sept.	21	1907	870
Lodgepole Creek	Soderquist, Peter, Est.	Chappell	Ralton Canal	Irrig.	12.40	36	13	45	Deuel	Dec.	4	1907	882
Lodgepole Creek	Kimball Irrig. District	Kimball	Oliver Reservoir	Storage	†20,000AF	36	15	57	Kimball	Apr.	15	1908	897
Lodgepole Creek	Kimball Irrig. District	Kimball	Kimball Canal	Irrig.		36	15	57	Kimball	Apr.	15	1908	897
Lodgepole Creek	Atkins, D. K.	Kimball	Atkins-Polly Canal	Irrig.	.11	30	15	55	Kimball	Apr.	15	1908	897R
Lodgepole Creek	Wilds, Turner	Chappell	Wilds Canal	Irrig.	.57	11	12	46	Deuel	June	2	1908	904
Lodgepole Creek	Ruttner, Joseph B.	Sunol	Ruttner Canal	Irrig.	.57	30	14	47	Cheyenne	June	25	1908	906
Lodgepole Creek	Rodman, Walter M.	Kimball	Bennett Canal No. 3	Irrig.	1.00	29	15	54	Kimball	Feb.	17	1909	934
Lodgepole Creek	Maginnis, P.	Kimball	Maginnis Pond	Ice	†500AF	26	15	56	Kimball	Sept.	19	1911	1127
Lodgepole Creek	La Selle, Vernice C.	Chappell	Soderquist Canal	Irrig.	2.00	36	13	45	Deuel	Oct.	22	1912	1237
Lodgepole Creek	Heming, Howard C.	Chappell	Wiegand Canal No. 3	Irrig.	1.21	16	13	45	Deuel	Sept.	10	1913	1322
Lodgepole Creek	Heming, Howard C.	Chappell	Wiegand Canal No. 2	Irrig.	.43	16	13	45	Deuel	Sept.	10	1913	1323
Lodgepole Creek	La Selle, Vernice C.	Chappell	Soderquist Canal	Irrig.	2.33	36	13	45	Deuel	June	29	1915	1420
Lodgepole Creek	Neuman, A. G.	Chappell	Neumann Canal	Irrig.	1.03	26	13	45	Deuel	Jan.	5	1916	1445

*Denotes claim not adjudicated.
 †Reservoir capacity alleged by applicant.
 "R" Denotes relocation.

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

Source	Appropriator or Operator	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 Creek	Bentley, Bertha M.	Sidney	Bentley Reservoir	Dom.	†50AF	34	14	50	Cheyenne	Feb.	14	1917	—	1478
Lodgepole Creek	Sudman, Mrs. Minnie.	Chappell	Sudman Canal	Irrig.	.79	22	13	45	Deuel	Apr.	5	1917	—	1483
Lodgepole Creek	McAuliffe, Beulah	Omaha	McAuliffe Canal	Irrig.	1.77	21	13	45	Deuel	Oct.	6	1919	—	1559
Lodgepole Creek	Ruttner, Joseph B.	Sunol	Howard-Ruttner Canal	Irrig.	.20	31	14	47	Cheyenne	Mar.	7	1922	—	1645
Lodgepole Creek	Patrowsky, L. H.	Sidney	Stuht Canal	Irrig.	.40	32	14	49	Cheyenne	Apr.	26	1922	—	1659
Lodgepole Creek	Schulte, Grace	Sidney	Bluhm Canal	Irrig.	1.00	36	14	48	Cheyenne	May	24	1926	—	1811
Lodgepole Creek	Stahla, Phillip	Kimball	Kinney Canal	Irrig.	.20	31	15	56	Kimball	July	14	1926	—	1823
Lodgepole Creek	Wearin, Wm. H.	Carleton	Wearin Canal	Irrig.	1.50	8	14	58	Kimball	Sept.	28	1926	—	1864
Lodgepole Creek	Rodman, Walter M.	Kimball	Bennett Reservoir	Storage	†262AF	22	15	55	Kimball	Jan.	13	1928	—	1974
(See A-657)														
Lodgepole Creek	Peterson, Geo. H.	Chappell	Peterson Canal	Irrig.	.66	26	13	45	Deuel	Apr.	17	1928	—	2006
Lodgepole Creek	McLernon, Mrs. Emma	Sidney	McLernon Canal	Irrig.	.24	31	14	49	Cheyenne	Sept.	1	1928	—	2027
Lodgepole Creek	Pantenburg, Wm. F.	Sidney	Pantenburg Canal	Irrig.	1.00	34	14	49	Cheyenne	Nov.	15	1929	—	2113
Lodgepole Creek	Thorstensen, Nels	Potter	Pump	Irrig.	.29	7	14	51	Cheyenne	Mar.	10	1936	—	2569
Lodgepole Creek	Anderson, Harry	Sidney	Pump	Irrig.	.20	10	14	51	Cheyenne	Feb.	14	1938	—	2839
Lodgepole Creek	Peetz, John	Sidney	Pump	Irrig.	.20	35	14	49	Cheyenne	Feb.	21	1939	—	2909
Lodgepole Creek	Radcliffe, C. S.	Sidney	Pumps	Irrig.	.41	31	14	49	Cheyenne	Dec.	21	1939	—	3064
							6	13	49					
Lodgepole Creek	Fuller, Mrs. Jessie L.	Sidney	Pump	Irrig.	.33	20	14	50	Cheyenne	June	25	1940	—	3191
Lodgepole Creek	Fuller, Mrs. Jessie L.	Sidney	Runge Canal No. 1	Irrig.	.48	20	14	50	Cheyenne	Jan.	8	1941	—	3363
Lodgepole Creek	Fuller, Mrs. Jessie L.	Sidney	Pump	Irrig.	.64	20	14	50	Cheyenne	Jan.	8	1941	—	3363R
Lodgepole Creek	Jones, Chas. L., Est.	Hastings	Jones Canal	Irrig.	1.80	36	14	49	Cheyenne	Feb.	14	1941	—	3392
Lodgepole Creek	Fuller, Clark H.	Sidney	Pump	Irrig.	.71	15	14	51	Cheyenne	Apr.	5	1941	—	3425
Lodgepole Creek	George, J. Harvey	Sidney	George Canal	Irrig.	.71	7	14	51	Cheyenne	Oct.	27	1941	—	3525
Lodgepole Creek	George, J. Harvey	Sidney	Mitchell Canal	Irrig.	.29	8	14	51	Cheyenne	Oct.	27	1941	—	3526
Lodgepole Creek	McHatton, Howard L.	Chappell	Pump	Irrig.	1.27	7	13	45	Deuel	Mar.	12	1942	—	3560
Lodgepole Creek	Barstow and Roche	Sidney	Barstow-Roche Pump	Irrig.	.19	28	14	47	Cheyenne	Apr.	10	1945	—	3825

Oliver Reservoir	Kimball Irrig. Dist.	Kimball	Kimball Canal	Supple. I.	A-897	36	15	57	Kimball	Apr.	15	1908	—	897
Springs	Oberfelder, Irving T.	Detroit, Mich.	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.

Supple. I. Denotes storage water in addition to direct flow.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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 R., N. F.	C. B. & Q. R. R. Co.	Lincoln	Table Rock Pipe Line	Dom.	1.00	33	3	12E	Pawnee	Aug.	8	1922	1687
Nemaha R., N. F.	Estes, E. B.	Tecumseh	Pumps	Irrig.	1.43	19	5	11E	Johnson	Aug.	15	1930	2159
Nemaha R., N. F.	Goracke, Roy C.	Tecumseh	Pumps	Irrig.	4.20	13	5	10E	Johnson	May	4	1934	2377
Nemaha R., N. F.	Goracke, Raymond A.	Tecumseh	Pumps	Irrig.	.54	14	5	10E	Johnson	July	16	1934	2428
Nemaha R., N. F.	Goracke, Joe	St. Mary	Pumps	Irrig.	1.12	14	5	10E	Johnson	Sept.	26	1934	2478
Nemaha R., N. F.	City of Humboldt	Humboldt	Humboldt Lake	Resort	25AF	10	2	13E	Richardson	June	20	1935	2551
Nemaha R., N. F.	City of Tecumseh	Tecumseh	City Supply	Dom.	2.30	33	5	11E	Johnson	Sept.	5	1936	2634
Nemaha R., N. F.	Elk Cr. Recreation Club	Elk Creek	Elk Lake Reservoir	Fish		25	4	11E	Johnson	Apr.	26	1938	2864
Nemaha R., N. F.	Binder, W. R.	Table Rock	Pump	Irrig.	1.54	33	3	12E	Pawnee	Jan.	24	1940	3086
Nemaha R., N. F.	Heuke, Herman	Table Rock	Pump	Irrig.	.62	20	3	12E	Pawnee	Aug.	6	1941	3482
Nemaha R., N. F.	Binder, W. R.	Table Rock	Pump	Irrig.	1.73	33	3	12E	Pawnee	Aug.	15	1941	3487
Nemaha R., N. F.	Binder, W. R.	Table Rock	Pump	Irrig.	.19	33	3	12E	Pawnee	Sept.	25	1941	3511
Nemaha R., N. F.	Huston, H. H.	Salem	Huston Pump	Irrig.		3	1	15	Richardson	June	29	1946	3921
Nemaha R., Lit.	Clarke, J. E.	Brock	Pumps	Irrig.	1.23	25	6	13E	Nemaha	Nov.	20	1937	2806
Nemaha R., Lit.	Missouri Pacific Railway Corp.	St. Louis, Mo.	Mo. Pac. Water Supply (Auburn)	Dom.	.74	31	6	14E	Nemaha	Nov.	20	1937	2806
Nemaha R., Lit.	Stevenson, Julien R.	Nebraska City	Pump	Irrig.	3.00	15	5	14E	Nemaha	May	11	1938	2873
Rock Creek	Stevenson, Julien R.	Nebraska City	Pump	Irrig.	.70	30	7	14E	Otoe	Dec.	5	1936	2668
Walnut Creek	Kimmel, R. P.	Nebraska City	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	Aug.	5	1909	355

Weeping Water Creek	University of Nebraska	Lincoln	Pump	Irrig.	.57	35	10	13E	Cass	Nov.	27	1936	2664
Weeping Water Creek	Department of Roads and Irrigation	Lincoln	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	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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	Pump	Irrig.	2.95	7	14	20	Custer	May	17	1932	—	2271
Barnum Creek	Sheldon, Charles H.	Columbus	Pump No. 1	Irrig.	.13	31	17	1E	Platte	Nov.	4	1939	—	3007
Barnum Creek	Mueller, Paul	Columbus	Pump	Irrig.	.06	36	17	1	Platte	Jan.	27	1940	—	3087
Barnum Creek	Wagner, August	Columbus	Pump	Irrig.	1.08	32	17	1E	Platte	Oct.	10	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 P. P. Dist.	Columbus	Albion Plant	Power	67.00	26	20	6	Boone	Oct.	3	1901	—	639
Beaver Creek	Consumers P. P. Dist.	Columbus	St. Edward Plant	Power	130.00	27	19	5	Boone	Feb.	11	1911	—	1068
Beaver Creek	Consumers P. P. Dist.	Columbus	Albion Plant	Power	70.00	26	20	6	Boone	Feb.	20	1917	—	1480
Beaver Creek	Umberger, Arthur	Genoa	Pump	Irrig.	.99	10	17	4	Nance	July	8	1933	—	2329
Beaver Creek	Peterson, Homer S.	St. Edward	Pump	Irrig.	.64	18	18	4	Platte	Sept.	10	1934	—	2471
Beaver Creek	Peterson, Henry M.	St. Edward	Pump	Irrig.	.63	2	18	5	Boone	Aug.	7	1935	—	2554
Beaver Creek	Self, Irene	Omaha	Pump	Irrig.	.38	20	19	5	Boone	June	19	1936	—	2582
Beaver Creek	Battles, S. T.	Genoa	Pump	Irrig.	.19	14	17	4	Nance	Oct.	21	1936	—	2647
Beaver Creek	Metz, Urban	Petersburg	Pump	Irrig.	.50	10	21	7	Boone	Dec.	1	1936	—	2665
Beaver Creek	Delarm, Ara V.	Albion	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	Pump	Irrig.	.71	1	20	7	Boone	Sept.	1	1937	—	2779
Beaver Creek	Qualsett, Olaf	Petersburg	Pump	Irrig.	.29	30	22	7	Boone	Nov.	16	1937	—	2803
Beaver Creek	Watson, W. B.	Albion	Pump	Irrig.	.44	16	19	5	Boone	Dec.	2	1937	—	2811
Beaver Creek	Kent-Burke Company	Genoa	Genoa Ranch Canal	Irrig.	.29	24	17	4	Nance	Dec.	6	1937	—	2812
Beaver Creek	Olson, Mrs. Frank	Genoa	Pump	Irrig.	.47	15	17	4	Nance	Feb.	8	1938	—	2835
Beaver Creek	Mansfield, F. E.	Albion	Pumps	Irrig.	.38	36	20	6	Boone	Feb.	21	1938	—	2840
					.72	31	20	5	Boone	Feb.	21	1938	—	2840
Beaver Creek	Harris, Thomas	St. Edward	Pump	Irrig.	.39	27	19	5	Boone	Mar.	8	1938	—	2843
Beaver Creek	Gillespie, H. H.	Boone	Pump	Irrig.	.59	8	19	5	Boone	Mar.	15	1938	—	2846

BUREAU OF IRRIGATION

Beaver Creek	Hunter, Elga B.	Albion	Pump	Irrig.	.52	10	21	7 Boone	Mar.	24	1938	2856
Beaver Creek	Battles, Newell H.	Genoa	Pump	Irrig.	.69	14	17	4 Nance	Oct.	27	1938	2893
Beaver Creek	Ohlson, C. L.	Petersburg	Pump	Irrig.	1.39	4	21	7 Boone	May	25	1939	2926
Beaver Creek	Stretter, S. W.	Petersburg	Pump	Irrig.	.13	32	22	7 Boone	Aug.	14	1939	2950
Beaver Creek	Blough, L. N.	Lincoln	Pump	Irrig.	.35	10	21	7 Boone	Sept.	21	1939	2969
Beaver Creek	Woodworth, Mark A.	Albion	Pump	Irrig.	.41	16	20	6 Boone	Feb.	27	1940	3096
Beaver Creek	Shaffer, C. J.	St. Edward	Pump	Irrig.	.25	2	18	5 Boone	Apr.	10	1940	3132
Beaver Creek	Blough, L. N.	Lincoln	Pump	Irrig.	.04	10	21	7 Boone	Apr.	18	1940	3140
Beaver Creek	Hall, Edward C.	St. Edward	Pump No. 1	Irrig.	.66	12	18	5 Boone	Aug.	17	1940	3234
Beaver Creek	Carter, Chas. E., Est.	Overton	Pump	Irrig.	.37	34	19	5 Boone	Apr.	21	1941	3430
Beaver Creek	Brown, C. H., Jr.	Albion	Pump	Irrig.	1.02	17	20	6 Boone	Sept.	3	1941	3491
Beaver Creek	Choat, Clarence	St. Edward	Pump	Irrig.	.60	28	19	5 Boone	Feb.	24	1942	3554
Beaver Creek	Evans, Chas.	Boone	Pump	Irrig.	.50	21	19	5 Boone	Apr.	13	1943	3606
Beaver Creek	Rumstick, Mrs. Leona	Albion	Pump	Irrig.	.50	26	20	6 Boone	Sept.	13	1943	3649
Beaver Creek	Self, Irene	Omaha	Pump	Irrig.	.52	20	19	5 Boone	Oct.	25	1943	3661
Beaver Creek	Gray, Raymond E.	Albion	Pump	Irrig.	.87	7	20	6 Boone	Dec.	20	1943	3666
Beaver Creek	Jasa, Frank, Sr.	St. Edward	Pump	Irrig.	.66	21	19	5 Boone	Feb.	7	1944	3681
Beaver Creek	Carstenson, Lawrence P.	Columbus	Pump	Irrig.		13	17	4 Nance	Mar.	31	1944	3706*
Beaver Creek	Nielsen, E. M.	Columbus	Pump	Irrig.		14	17	4 Nance	Apr.	28	1944	3719*
Beaver Creek	Harris, F. C.	Monroe	Pump	Irrig.	.64	9	19	5 Boone	Sept.	6	1944	3763*
Beaver Creek	Sallach, Roy E.	Albion	Pump	Irrig.	.69	35	21	7 Boone	Feb.	1	1945	3805
Beaver Creek	Dannelly, Everett	Genoa	Pump	Irrig.	.36	10	17	4 Nance	June	23	1945	3845
Beaver Creek	Miller, A. D.	Albion	Pump	Irrig.		8	20	6 Boone	July	31	1946	3936
Bogus Creek	Fisher, Fred	St. Edward	Pump	Irrig.	1.02	11	18	5 Boone	May	11	1937	2741
Bogus Creek	Hall, Edward C.	St. Edward	Pump No. 2	Irrig.	.11	12	18	5 Boone	Sept.	5	1940	3255
Calamus River	Calamus Irrig. District	Harrop	Calamus Canal	Irrig.	121.18	5	24	20 Loup	Oct.	31	1925	1785
Calamus River	Calamus Irrig. District	Harrop	Calamus Reservoir	Storage	†650AF	5	24	20 Loup	June	8	1926	1816
Calamus River	Calamus Irrig. District	Harrop	Calamus Canal	Irrig.	4.86	5	24	20 Loup	Jan.	12	1927	1833
Calamus River	Philipps, J. C., et al	Burwell	Pump	Irrig.	.53	25	25	21 Brown	June	13	1932	2273
Calamus River	Hesselgesser, Glen	Burwell	Pump	Irrig.	.34	9	22	17 Loup	Oct.	28	1941	3527

†See appropriations under Mud (Beaver) Creek.

* Denotes application pending.

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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 P. P. Dist.	Columbus	Van Akeren Plant	Power	290.00	5	18	7	Boone	May	1 1881	1049	—
Cedar River (See A-1686)	Consumers P. P. Dist.	Columbus	Fullerton Plant	Power	200.00	11	16	6	Nance	Sept.	9 1901	—	636
Cedar River	Consumers P. P. Dist.	Columbus	Ericson Plant	Power	175.00	25	21	12	Wheeler	May	24 1915	—	1415
Cedar River	Consumers P. P. Dist.	Columbus	Ericson Plant	Rs. Dam	A-1415	25	21	12	Wheeler	May	17 1929	—	2081
Cedar River (See A-636)	Consumers P. P. Dist.	Columbus	Fullerton Plant	Power	250.00	11	16	6	Nance	Aug.	8 1922	—	1686
Cedar River	Consumers P. P. Dist.	Columbus	Fullerton Plant	Rs. Dam	A-636	11	16	6	Nance	Jan.	27 1925	—	1758
					A-1686								
Cedar River	Christensen, Chas.	Fullerton	Pump	Irrig.	2.37	30	17	6	Nance	Sept.	29 1931	—	2240
Cedar River	Maxwell, David Edw.	Columbus	Pumps	Irrig.	4.01	23	19	8	Boone	Feb.	14 1934	—	2364
						24	19	8	Boone	Feb.	14 1934	—	2364
Cedar River	Haggerty, John C.	Spalding	Pump	Irrig.	.30	34	20	9	Greeley	May	31 1934	—	2390
Cedar River	Haggerty, John C.	Spalding	Pump	Irrig.	.76	34	20	9	Greeley	July	20 1936	—	2592
Cedar River	Kinnier, Susan, et al	Spalding	Pump	Irrig.	.57	28	20	9	Greeley	Aug.	17 1936	—	2617
Cedar River	Dobson, W. H., et al	Cedar Rapids	Pump	Irrig.	1.11	25	19	8	Boone	Feb.	24 1937	—	2702
Cedar River	Dobson, W. H.	Cedar Rapids	Pump	Irrig.	.98	23	19	18	Boone	Feb.	24 1937	—	2702R
Cedar River	Wise, Rudolph	Houston, Texas	Pump	Irrig.	.65	17	19	8	Boone	Nov.	22 1937	—	2807
Cedar River	Batenhorst, Mrs. Anna	Cedar Rapids	Pump	Irrig.	2.00	15	18	7	Boone	Dec.	29 1937	—	2819
Cedar River	Warren, Viola L.	New York	Pump	Irrig.	.30	9	18	7	Boone	Jan.	25 1938	—	2830
Cedar River	Scott, W. J.	Cedar Rapids	Pump	Irrig.	.79	9	18	7	Boone	Jan.	25 1938	—	2830R
Cedar River	Homan, John M.	Cedar Rapids	Pump	Irrig.	.81	9	18	7	Boone	Feb.	7 1938	—	2834
Cedar River	Scott, Leonard A.	Belgrade	Pump	Irrig.	.89	1	17	7	Nance	Oct.	4 1938	—	2887
Cedar River	Noble, Leah E.	Lincoln	Pump	Irrig.	.49	32	19	7	Boone	Nov.	19 1938	—	2895
Cedar River	Cedar Valley Public Pow. and Irrig. Dist.	Cedar Rapids	Cedar Valley Canal	Irrig.		5	20	10	Greeley	Apr.	24 1939	—	2916a*
Cedar River	Cedar Valley Public Pow. and Irrig. Dist.	Cedar Rapids	Cedar Valley Canal	Irrig.		5	20	16	Greeley	Apr.	24 1939	—	2916b*

Cedar River	Cedar Valley Public Pow. and Irrig. Dist.	Cedar Rapids	Cedar Valley Canal	Irrig.	22	19	8	Boone	Apr.	24	1939	2216c*	
Cedar River	Cedar Valley Public Pow. and Irrig. Dist.	Cedar Rapids	Cedar Valley Res.	Storage	4	20	11	Greeley	May	11	1939	2921*	
Cedar River	Hodges, Herbert and Herbert F.	Fullerton	Pump	Irrig.	.23	31	17	6	Nance	Sept.	30	1939	2979
Cedar River	Vanderheiden, Louis L.	Cedar Rapids	Pump	Irrig.	.41	5	18	7	Boone	Oct.	20	1939	2993
Cedar River	Lowery, J. B.	Burwell	Pump	Irrig.	.29	21	24	14	Garfield	Nov.	22	1939	3027
Cedar River	Palmer, George	Fullerton	Pump	Irrig.	.15	33	17	6	Nance	Dec.	15	1939	3051
Cedar River	McCart, Martha Y., et al	Coffeyville, Kansas	Pumps	Irrig.	.53	29	17	6	Nance	Jan.	8	1940	3071
						33	17	6	Nance	Jan.	8	1940	3071
Cedar River	Foland, Ona B.	Anaheim, Cal.	Pump	Irrig.	.51	28	18	7	Boone	Aug.	17	1940	3233
Cedar River	Swerczek, Walter	Cedar Rapids	Pump	Irrig.	.91	31	19	7	Boone	Sept.	9	1940	3257
Cedar River	Miller, Jacob, et al	Primrose	Pump	Irrig.	1.51	17	19	8	Boone	Sept.	12	1940	3264
Cedar River	DeWulf, Gus	Cedar Rapids	Pump	Irrig.	.26	15	18	7	Boone	Oct.	24	1940	3309
Cedar River	Homan, Mat	Cedar Rapids	Pump	Irrig.	.20	31	19	7	Boone	Nov.	15	1940	3330
Cedar River	McKinney, Brayton F.	Spalding	Pump No. 1	Irrig.	.50	30	19	7	Boone	Feb.	14	1941	3390
Cedar River	Davis, William D.	Primrose	Pump	Irrig.	.69	25	19	8	Boone	Sept.	10	1941	3499
Cedar River	Homan, John M.	Cedar Rapids	Pump	Irrig.	.08	9	18	7	Boone	Mar.	11	1942	3559
Cedar River	Diessner, Magnus A.	Primrose	Pump	Irrig.	.58	1	19	9	Greeley	Sept.	16	1943	3650
Cedar River	Thompson, D. C.	Spalding	Pump	Irrig.	.59	34	20	9	Greeley	Sept.	22	1943	3654
Cedar River	Paalman, Arend J.	Cedar Rapids	Pump	Irrig.	.44	22	18	7	Boone	Oct.	20	1943	3660
Cedar River	Grosse, Armin A.	Utica	Pump	Irrig.	.58	25	19	8	Boone	Nov.	18	1943	3662
Cedar River	Campbell, H. V.	Belgrade	Pump	Irrig.	.49	35	18	7	Nance	Feb.	7	1944	3682
Cedar River	Burnside, Mrs. Fannie	Belgrade	Pump	Irrig.	.58	22	18	7	Boone	Feb.	10	1944	3685
Cedar River	Zabka, Chas.	Belgrade	Pump	Irrig.	.24	35	18	7	Nance	Feb.	15	1944	3686
Cedar River	Walker, Fred G.	Cedar Rapids	Pump	Irrig.			5	7	Boone	June	22	1944	3736
Cedar River	Casper, Jennie E.	Belgrade	Pump	Irrig.	.22	25	19	8	Boone	July	31	1944	3747
Cedar River	Dobson, W. H.	Cedar Rapids	Pump	Irrig.	.46	23	19	8	Boone	Aug.	16	1944	3752
Cedar River	McKinney, Brayton F.	Spalding	Pump	Irrig.	.09	30	19	7	Boone	Feb.	6	1945	3807
Cedar River	Ewing, Fred E.	Cedar Rapids	Pump	Irrig.	.80	30	19	7	Boone	Feb.	19	1945	3810
Clear Creek	Sherbeck, Albert I., Estate	Westerville	Pumps	Irrig.	4.13	5	16	17	Custer	Feb.	7	1927	1894
						4	16	17	Custer	Feb.	7	1927	1894

*Denotes application pending.
 "R" Denotes relocation.

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

Source	Appropriator or Operator	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.
Clear Creek	Dean, Paul H.	Broken Bow	Pump	Irrig.	2.43	36	16	17	Custer	Oct.	18	1927	—	1962
Clear Creek	Lowery, Maurice T.	Mason City	Pump	Irrig.	1.11	1	15	17	Custer	Aug.	22	1928	—	2026
Clear Creek	Dean, Paul H.	Broken Bow	Pump	Irrig.	2.00	22	16	17	Custer	Oct.	9	1928	—	2040
Clear Creek	Banker, Louis, Jr.	Kanawha, Ia.	Pump	Irrig.	.13	36	14	16	Sherman	Mar.	30	1934	—	2370
Clear Creek	Vansant and Scott	Ansley	Pump	Irrig.	.96	27	17	18	Custer	Dec.	15	1938	—	2900
Clear Creek	Heapy, Albert	Litchfield	Pump	Irrig.	.15	10	14	16	Sherman	Nov.	2	1939	—	3004
Clear Creek	Casteel, A.	Ansley	Pump	Irrig.	.93	1	16	18	Custer	Dec.	12	1939	—	3049
Clear Creek	Heapy, Albert	Litchfield	Pump No. 2	Irrig.	.17	10	14	16	Sherman	Jan.	9	1941	—	3364
Clear Creek	Kohls, L. J.	Litchfield	Pump	Irrig.	.13	4	14	16	Sherman	May	3	1945	—	3829
Clear Creek	Cherry, John J.	Litchfield	Pump	Irrig.	.18	33	15	16	Sherman	Sept.	28	1945	—	3855
Clear Creek	Kusek, Vincent	Loup City	Pump	Irrig.		17	15	16	Sherman	June	15	1946	—	3916
Clear Creek, Ravine Trib. to # Clear Creek	Welsh, W. M.	Lincoln	Welsh Reservoir	Storage	†28AF	36	17	18	Custer	May	2	1941	—	3437
	Glaser, Louis N.	Spalding	Pump	Irrig.	.99	31	21	10	Wheeler	June	7	1943	—	3616
Coble Res.	Coble, W. C.	Whitman	High Line Canal	Supple. I.	A-2525	20	28	35	Cherry	Oct.	10	1934	—	2574
Cold Spring Cr.	Ballweg, Michael	Spalding	Pump	Irrig.	.84	11	20	10	Greeley	Mar.	14	1940	—	3118
Cold Spring Cr.	Glaser, Joseph	Spalding	Pump	Irrig.	.85	14	20	10	Greeley	Sept.	11	1942	—	3586
Columbus Drain Ditch	Luchsinger, Ernst	Columbus	Pump	Irrig.	1.23	9	17	1E	Platte	May	24	1940	—	3165
Columbus Drain Ditch	Segelke, Bess	Columbus	Pump	Irrig.	.54	8	17	1E	Platte	Mar.	5	1941	—	3408
Cotton Creek	Olsen, James	Farwell	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	—

BUREAU OF IRRIGATION

Dane Creek	Koupal, Frank	Ord	Koupal Canal	Irrig.	.14	20	19	14	Valley	July	5	1912	1207
Dane Creek	Ulrich, Ernest	Ord	Pump	Irrig.		21	19	14	Valley	June	13	1946	3915
Davis Creek	Christensen, Martin	Solvang, Cal.	Pump	Irrig.	.25	7	16	12	Howard	Aug.	4	1937	2769
Deer Creek	Eighmy, Mervin R.	Lincoln	Pump	Irrig.	1.00	8	13	19	Custer	Mar.	7	1946	3881
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	Pump	Irrig.	.41	23	17	4E	Butler	Sept.	23	1941	3509
Dutchman Creek (See Spg. Br.)													
Elm Creek	Stewart, Wayne E.	Ord	Pump	Irrig.	1.63	25	19	14	Valley	Sept.	30	1929	2107
Elm Creek	Rutar, Joe, Jr.	Ord	Pump	Irrig.	.16	24	19	14	Valley	June	12	1943	3619
Elm Creek	Rutar, Stanley	Ord	Pump	Irrig.	.31	25	19	14	Valley	Dec.	21	1944	3789
Fish Creek	Bolesen, Chris	Cotesfield	Pumps	Irrig.	.15	1	16	12	Howard	Dec.	19	1940	3355
						6	16	11	Howard	Dec.	19	1940	3355
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
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.	Omaha	Prudential Well	Irrig.		21	18	2E	Colfax	July	25	1941	3468*
Ground Water	The Prudential Ins. Co.	Omaha	Prudential Well	Irrig.		6	15	18	Custer	July	25	1941	3469*

† Reservoir capacity alleged by applicant.

Clear Creek in Wheeler County is a different stream than Clear Creek in Sherman and Custer Counties.

Supple. I. Denotes storage water in addition to direct flow.

* Denotes application pending.

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

Source	Appropriator or Operator	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.	Omaha	Prudential 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*	
Ground Water	Craft, Burt	North Loup	Craft Pump	Irrig.		6	17	12	Greeley	Jan.	11	1943	3593*	
Ground Water	Tomek, Phillip A.	David City	Tomek Well	Irrig.		12	16	2	Butler	Apr.	9	1943	3605*	
Ground Water	Patterson, Kenneth O.	Primrose	Patterson Well	Irrig.		15	19	8	Boone	Oct.	7	1943	3657*	
Ground Water	Patterson, Catherine	Primrose	Patterson Well	Irrig.		4	19	8	Boone	Oct.	7	1943	3658*	
Ground Water	Benham, Emma L.	Albion	Benham Well	Irrig.		31	19	7	Boone	Oct.	15	1943	3659*	
Ground Water	Rinder, H. A.	Columbus	Rinder Well	Irrig.		19	19	2	Platte	Feb.	16	1944	3697*	
Ground Water	Bryan, Laurence M.	St. Edward	Bryan Well	Irrig.		28	19	5	Boone	Feb.	16	1944	3688*	
Ground Water	Nielsen, E. M.	Columbus	Nielsen Well	Irrig.		33	17	1	Platte	May	12	1944	3726*	
Ground Water	Choat, Elmer	St. Edward	E. Choat Well	Irrig.		16	19	5	Boone	Sept.	7	1944	3764*	
Ground Water	Choat, M. L.	St. Edward	Choat Well	Irrig.		4	19	5	Boone	Sept.	9	1944	3765*	
Ground Water	Choat, Clarence	St. Edward	Choat Well	Irrig.		28	19	5	Boone	Jan.	31	1945	3804*	
Hawthorne Creek	Hughes, Ralph	Arcadia	Pump	Irrig.	.37	26	17	16	Valley	Jan.	8	1946	3862	
Homan Creek	Homan, Matt	Cedar Rapids	Pump	Irrig.	1.40	31	19	7	Boone	Jan.	6	1938	2820	
Lake Creek	Toman, Joseph C.	St. Paul	Toman Lake	Resort	†15AF	36	15	10	Howard	Nov.	11	1936	2658	
Lee Creek	Lewin, Inez F.	Arcadia	Lewin Reservoir	Storage	†49AF	19	17	16	Valley	June	7	1946	3913	
Lillian Creek	Davis, Frank J.	Broken Bow	Pump	Irrig.	4.90	1	19	20	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.	2.36	1	17	3	Platte	June	12	1894	289	
Looking Glass Creek	Christman, Minnie	Monroe	Pump	Irrig.	.94	5	17	3	Platte	July	26	1941	3472	

Loseke Creek	Klug, Arthur and Emil	Columbus	Pump	Irrig.	.27	13	18	1E	Platte	Nov.	2	1939	3005
Lost Creek (Warm Slough)	Kolouch, Fred	Schuyler	Pump	Irrig.	1.30	28	17	3E	Colfax	Oct.	12	1928	2041
Lost Creek (Slough)	Ballon, James	Schuyler	Ballon Lake	Resort	†14A	29	17	3E	Colfax	June	11	1934	2406
Lost Creek	Ballon, James	Schuyler	Pump	Irrig.	.91	29	17	3E	Colfax	Aug.	28	1936	2628
Lost Creek	City of Schuyler	Schuyler	Community Park Lake	Resort	†15A	21	17	3E	Colfax	May	15	1937	2742
Lost Creek	Reisch, Mary	Springfield, Illinois	Pump	Irrig.	.51	21	17	2E	Colfax	Jan.	7	1938	2824
Lost Creek	Oehlich, Herman, et al	Columbus	Pump	Irrig.	.76	20	17	2E	Colfax	Nov.	15	1939	3018
Lost Creek	Siefken, John H.	Columbus	Pump	Irrig.	.25	30	17	2E	Colfax	Dec.	15	1939	3054
Lost Creek	Hellbusch, Herman	Columbus	Pump	Irrig.	.57	18	17	1E	Platte	Dec.	18	1939	3059
Lost Creek	Shuster, Leonard	Schuyler	Pump	Irrig.	1.66	23	17	3E	Colfax	Sept.	17	1941	3507
Lost Creek	Oberg, George A.	Schuyler	Pump	Irrig.		21	17	2E	Colfax	May	5	1944	3722
Lost Creek	Sheldon, Blanche	Columbus	Pump	Irrig.	.69	11	17	1	Platte	May	9	1944	3724
Lost Creek	Burley, Lowell	Columbus	Pump	Irrig.		30	17	2E	Colfax	May	22	1946	3910
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	Increase Head	A-2287	6	16	4	Nance	Apr.	4	1936	2573
Loup River	Forbes, J. A.	Palmer	Pump	Irrig.	.16	18	15	8	Nance	Oct.	18	1939	2989
Loup River	Sheldon, Charles H.	Columbus	Pump No. 2	Irrig.	.15	25	17	1	Platte	Nov.	4	1939	3008
Loup River	Carter, Kathryn	Columbus	Columbus-Genoa Power Canal	Irrig.	.70	6	16	4	Nance	Feb.	23	1940	3093
Loup River	Forbes, J. A.	Palmer	Pump	Irrig.	.57	18	15	8	Nance	June	4	1940	3171
Loup River	Santin and Vaughn	Fullerton	Pump	Irrig.	2.30	6	15	6	Nance	Aug.	8	1940	3227
Loup River	Paulsen, G. W.	Palmer	Pump	Irrig.	.29	12	15	9	Howard	May	7	1941	3440
Loup River	Swanson, J. S.	St. Paul	Pump	Irrig.	1.59	32	14	10	Howard	Nov.	22	1941	3533

*Denotes application pending.

†Reservoir capacity alleged by applicant.

**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.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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	Schubert, Max Franz	Palmer	Pump	Irrig.	.16	7	15	8	Merrick	Jan.	8	1942	3543	
Loup River	Twin Valley Irrigation Association	St. Paul	St. Paul Reservoir	Storage		9	15	9	Howard	June	28	1944	3740*	
Loup River, Slough, Trib. to	Hunter, Helen S.	Columbus	Pump	Irrig.	.29	15	17	1	Platte	June	22	1944	3735	
Loup R., Middle (See A-1224)	Consumers P. P. Dist.	Columbus	Lundy Power Plant	Power	200.00	9	19	19	Custer	Aug.	1	1886	1024	—
Loup R., Middle	Muhlbach, Fred	Mullen	Mullen Power Plant	Power	124.00	6	24	32	Hooker	Mar.	12	1912	1185	
Loup R., Middle	St. Paul Elec. Light Works	St. Paul	St. Paul Plant	Power	2000.00	3	14	10	Howard	Aug.	12	1912	1216	
Loup R., Middle (See D-1024)	Consumers P. P. Dist.	Columbus	Lundy Power Pant	Power	400.00	9	19	19	Custer	Sept.	16	1912	1224	
Loup R., Middle	U. S. of America	Halsey	Bessey Nursery Canal	Irrig.	1.00	3	22	26	Thomas	Sept.	16	1912	1226	
Loup R., Middle	Holmes, Ted W., et al.	Milburn	Loup Valley Canal	Irrig.	.86	36	20	21	Custer	May	31	1913	1294	
Loup R., Middle	Consumers P. P. Dist.	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 Plant	Power		35	18	17	Custer	Apr.	4	1927	1918*	
Loup R., Middle	Knapp, Harry R.	Broken Bow	Pump	Irrig.	5.49	32	15	14	Sherman	July	18	1927	1943	
Loup R., Middle	Klausen, Paul, Estate	Rockville	Klausen Canal	Irrig.	2.17	36	14	14	Sherman	Aug.	14	1929	2095	
Loup R., Middle	Kowalski, Peter J.	Loup City	John Canal	Irrig.	.59	18	15	14	Sherman	Sept.	18	1929	2105	
Loup R., Middle	Obermiller, John H.	Farwell	Pump	Irrig.	.97	28	13	12	Howard	May	7	1930	2139	
Loup R., Middle	Haesler, John	Loup City	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.	26.33	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	Pump	Irrig.	1.36	36	20	21	Custer	July	8 1933	2330
Loup R., Middle	Leininger, John P.	Loup City	Pump	Irrig.	.93	12	15	15	Sherman	June	2 1934	2395
Loup R., Middle	McMillan, Thos. Wright, et al	Broken Bow	Rankin Canal	Irrig.	14.59	4	21	23	Blaine	Sept.	22 1934	2477
Loup R., Middle	McMillan, Thos. Wright, et al	Broken Bow	McMillan 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	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.	Pump	Irrig.	1.28	35	18	17	Custer	Oct.	23 1939	2995
Loup R., Middle	Game, Forestation and 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	Storage	†1334AF	15	21	22	Blaine	Mar.	6 1940	3105
Loup R., Middle (Winnegar Canyon)	Sargent Public Irrig. District	Sargent	Winnegar Reservoir	Storage	†1530AF	15	21	22	Blaine	Mar.	6 1940	3106
Loup R., Middle	Carter, A. Birschard	Lincoln	Doris Lake Canal	Irrig.	1.23	9	19	19	Custer	June	25 1940	3190
Loup R., Middle	Ogle, Arthur C.	Loup City	Pump	Irrig.	.31	4	14	14	Sherman	Sept.	3 1940	3250
Loup R., Middle	Fisher, Hattie	Ravenna	Pump	Irrig.	.36	25	13	13	Sherman	Oct.	24 1940	3307
Loup R., Middle	Hedglin, E. L., Estate	Eddyville	Pump	Irrig.	.28	27	13	12	Howard	Dec.	2 1940	3338
Loup R., Middle	Bals, Herbert H.	Loup City	Pump	Irrig.	.42	16	14	14	Sherman	Jan.	15 1941	3368
Loup R., Middle	Lemburg, W. H.	Boelus	Pump	Irrig.	.49	29	13	11	Howard	Jan.	8 1942	3542
Loup R., Middle	Hadenfeldt, William	Dannebrog	Pump	Irrig.	.19	23	13	11	Howard	June	10 1942	3575

* Denotes application pending.

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“R” Denotes relocation.

*Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	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	Leonard, Jess Calvin, Estate	Oklahoma City Oklahoma	Pump	Irrig.	.09	10	19	18	Custer	Jan.	8	1944	3669
Loup R., Middle	Ohme, Otto F.	Mitchell	Pump	Irrig.	2.19	1	17	17	Custer	Mar.	27	1944	3703
Loup R., Middle	Seeber, Henry T.	Boelus	Pump	Irrig.	.40	29	13	12	Howard	Apr.	4	1944	3708
Loup R., Middle	Twin Valley Irrig. Ass'n	St. Paul	Fullerton South Canal	Irrig.		36	15	10	Howard	June	28	1944	3739*
Loup R., Middle	Hunkins, Ivan	Comstock	Pump	Irrig.		23	18	17	Custer	Feb.	6	1945	3806*
Loup R., Middle	Dainton, F. Archie	Sargent	Pump	Irrig.	.50	10	19	19	Custer	Aug.	5	1946	3939
Loup R., Middle	Smedra, Ignac	Rockville	Pump	Irrig.		16	14	14	Sherman	Sept.	30	1946	3971*
Loup R., Middle	White, Allen	St. Paul	White Reservoir	Storage	†35AF	5	14	10	Howard	Oct.	29	1940	3313
Loup R., Middle	Ash, Silas	Comstock	Pump	Irrig.	.34	13	19	18	Custer	Dec.	11	1939	3044
Loup R., Middle	Erikson, G. Iver	Comstock	Pump	Irrig.	.73	15	18	17	Custer	Apr.	17	1944	3714
Loup R., North	Naab, J. Peter	Burwell	Pump	Irrig.	1.40	28	21	17	Loup	Aug.	3	1929	2091
Loup R., North	Anderson Brothers Irrig. Company	Hastings	Pump	Irrig.	5.17	7	15	9	Howard	Apr.	5	1930	2131
Loup R., North	Smith, Evet A., et al.	Ord	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	19	Loup	Aug.	8	1930	2155R
Loup R., North	Stewart, Wm. J.	Ord	Pump	Irrig.	.54	9	19	14	Valley	Aug.	11	1930	2158
Loup R., North	Blomquist, O. V.	Walla Walla, Washington	Pump	Irrig.	.83	16	15	10	Howard	Nov.	26	1930	2178
Loup R., North	Sailing, Ira L.	Cushing	Pump	Irrig.	.86	7	15	9	Howard	Jan.	14	1931	2187
Loup R., North	Cox, R. K.	Purdum	Pumps	Irrig.	4.87	9	24	25	Blaine	Feb.	25	1932	2255
Loup R., North	Newton Irrig. Dist.	Moulton	Newton Canal	Irrig.	19.28	35	23	21	Blaine	Feb.	25	1932	2255
Loup R., North				Irrig.		18	1932	21	Blaine	Mar.	18	1932	2263

BUREAU OF IRRIGATION

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.	61.85	14	21	16	Garfield	Mar.	28	1933	2312**	
Loup R., North	McOstrich, Darrel B.	Ord	Pump	Irrig.	.32	30	19	13	Valley	Mar.	28	1933	2312**R	
Loup R., North	Tetschner, Frank	Burwell	Pump	Irrig.	.21	14	21	16	Garfield	May	24	1933	2323	
Loup R., North	City of Ord	Ord	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	2417	
Loup R., North	Bales, Henry A.	Burwell	Pump	Irrig.	.65	11	21	16	Garfield	July	14	1934	2427	
Loup R., North	Ford, Chas. F.	Taylor	Pump	Irrig.	.74	20	21	18	Loup	Aug.	6	1934	2455	
Loup R., North	Wake, Thos. H.	Seward	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	Coble, W. C.	Whitman	Coble Canal	Irrig.	.48	20	23	35	Cherry	Oct.	10	1934	2485	
Loup R., North	Coble, W. C.	Whitman	Coble Reservoir	Storage	†41A	F	20	28	35	Cherry	Oct.	10	1934	2486
Loup R., North	Miller, Clinton J.	Ord	Krebs Canal	Irrig.	1.75	27	17	12	Greeley	Feb.	26	1935	2520	
Loup R., North	Coble, W. C.	Whitman	High Line Canal	Irrig.	1.32	20	23	35	Cherry	Mar.	12	1935	2525	
Loup R., North	Ferguson, Robert W.	Brewster	Pump	Irrig.	1.32	36	23	21	Blaine	Sept.	8	1936	2635	
Loup R., North	Wells and Kilpatrick	Cotesfield	Pump	Irrig.	.12	12	16	12	Howard	Nov.	14	1936	2660	
Loup R., North	Rusho, Robert	Taylor	Pump	Irrig.	1.11	33	22	19	Loup	Apr.	8	1937	2729	
Loup R., North	Pemberton, Jas. H., Est.	Palmer	Pump	Irrig.	.46	2	16	12	Howard	Sept.	27	1937	2790	
Loup R., North	Blomquist, O. V.	Walla Walla, Washington	Pump	Irrig.	.11	16	15	10	Howard	Nov.	27	1937	2808	
Loup R., North	Van Diest, A. C.	Taylor	Newton Canal	Irrig.	2.22	35	23	21	Blaine	Apr.	26	1938	2863	
Loup R., North	Almeria Public Power and Irrig. Dist.	Almeria	Almeria Canal	Irrig.	13.65	10	22	20	Loup	Apr.	29	1938	2868	
Loup R., North	Cole, W. B., et al.	Taylor	Almeria Canal	Irrig.	6.46	10	22	20	Loup	Apr.	30	1938	2869	
Loup R., North	Van Diest, A. C.	Taylor	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	Pump	Irrig.	.70	22	17	12	Greeley	Nov.	29	1939	3032	

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† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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	Lakin, Glenn C.	Burwell	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	Pump	Irrig.	.22	30	19	13	Valley	June	4	1940	3177
Loup R., North	North Loup River	Ord	Taylor-Ord Canal	Irrig.		13	21	19	Loup	July	25	1940	3215a*
	Public Power and Irrig. District		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	Pump	Irrig.	.25	17	15	10	Howard	Sept.	1	1942	3584
Loup R., North	Koelling, Mrs. Lydia P.	Ord	Ord-North Loup Canal	Irrig.	.47	22	19	14	Valley	Jan.	12	1944	3672
Loup R., North	Meyers, Charles	Burwell	Burwell-Sumpter Canal	Irrig.		14	21	16	Garfield	Mar.	9	1944	3697*
Loup R., North	Thomas, Vernon M.	North Loup	Pump	Irrig.	.29	19	18	12	Greeley	June	13	1944	3730
Loup R., North	Twin Valley Irrig. Ass'n	St. Paul	Scotia-St. Paul Canal	Irrig.		27	19	13	Valley	June	28	1944	3738a*
Loup R., North	Twin Valley Irrig. Ass'n	St. Paul	Fullerton North Canal	Irrig.		13	15	11	Howard	June	28	1944	3738b*
Loup R., North	Cook, W. J.	North Loup	Pump	Irrig.	.18	30	18	12	Greeley	Aug.	28	1944	3759
Loup R., North	Radke, Adam I.	Big Springs	Pump	Irrig.	.45	23	20	15	Valley	Sept.	23	1944	3768
Loup R., North	Farrell, L. R.	Scotia	Pump	Irrig.	.17	16	17	12	Greeley	Sept.	26	1944	3769
Loup R., North	Iwanski, James	Ord	Burwell-Sumter Canal	Irrig.	.63	14	21	16	Garfield	Oct.	4	1944	3772
Loup R., North	Penas, J. W.	Burwell	Pump No. 1	Irrig.	.34	19	21	16	Garfield	Nov.	8	1944	3783
Loup R., North	Cook, W. J.	North Loup	Pump	Irrig.	.55	30	18	12	Greeley	Dec.	8	1944	3786
Loup R., North	Scott, Roy M.	Sargent	Pump	Irrig.	.69	13	21	19	Loup	Apr.	5	1945	3821
Loup R., North	Warford, John	Ord	Burwell-Sumter Canal	Irrig.	.31	14	21	16	Garfield	Apr.	28	1945	3828
Loup R., North	Carson, Kit J.	Ord	Burwell-Sumter Canal	Irrig.	.30	14	21	16	Garfield	May	9	1945	3831
Loup R., North	Noll, Clayton D.	Ord	Pump	Irrig.	.66	9	19	14	Valley	June	7	1945	3838
Loup R., North	Noll, Clayton D.	Ord	Taylor-Ord Canal	Irrig.	.12	13	21	19	Loup	June	7	1945	3839
Loup R., North	Rogers, Wilbur A.	Ord	Taylor-Ord Canal	Irrig.	.47	13	21	19	Loup	July	10	1945	3846
Loup R., North	Stewart, Earnest B.	Ord	Taylor-Ord Canal	Irrig.		13	21	19	Loup	Apr.	15	1946	3892
Loup R., North	Brown, Bashie	Denver, Colo.	Pump	Irrig.		22	20	15	Valley	May	10	1946	3906
Loup R., North	Keown, Clyde	Scotia	Keown Pump	Irrig.		16	17	12	Greeley	July	29	1946	3934
Loup R., North	Mead, Mrs. Hildred	St. Paul	Pump	Irrig.		14	15	10	Howard	Sept.	11	1946	3956

Loup R., North, Tributary to	Kent, Lulu	Burwell	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	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	Pump	Irrig.	.57	5	12	13	Buffalo	June	7	1934	2400
Loup R., South	Wall, R. V.	Logan	Pump	Irrig.	.32	35	18	26	Logan	June	18	1934	2410
Loup R., South	May, Jesse S.	Callaway	Pump	Irrig.	.75	15	15	22	Custer	Apr.	8	1937	2730
Loup R., South	Turley, F. E.	Arnold	Pump	Irrig.	.32	6	16	24	Custer	May	7	1937	2740
Loup R., South	Pressey, H. E. Est.	Oconto	Pump No. 2	Irrig.	.19	10	14	21	Custer	Feb.	28	1938	2841
Loup R., South	Smith, Lizzie B.	Long Beach	Pump	Irrig.	.77	16	15	22	Custer	Nov.	22	1939	3029
Loup R., South	Horn, Mrs. Chas. R.	Broken Bow	Pump	Irrig.	1.23	32	15	21	Custer	Feb.	7	1940	3089
Loup R., South	Van Cleave, R. Harlen	Callaway	Pump	Irrig.	1.23	7	15	22	Custer	May	10	1940	3151
Loup R., South	Prudential Ins. Co.	Omaha	Pump	Irrig.	.45	10	14	21	Custer	June	21	1940	3186
Loup R., South	Glendy, Carl	Oconto	Pump	Irrig.	.66	13	14	21	Custer	July	6	1940	3195
Loup R., South	Hunter, Robert A.	Pleasanton	Pump	Irrig.	4.07	2	11	16	Buffalo	July	16	1940	3202
Loup R., South	Devine, Frank	Oconto	Pump	Irrig.	2.61	17	14	20	Custer	July	23	1940	3208
Loup R., South	Glendy, Leonard O.	Oconto	Pump	Irrig.	.25	13	14	21	Custer	July	26	1940	3218
Loup R., South	Popp, John	Mason City	Pump	Irrig.	.26	23	13	19	Custer	July	29	1940	3220
Loup R., South	Myers, Morris E.	Eddyville	Pump	Irrig.	.93	20	14	20	Custer	Aug.	14	1940	3231
Loup R., South	Lea, Joe W.	Pleasanton	Pump	Irrig.	.08	35	12	16	Buffalo	Oct.	7	1940	3282
Loup R., South	Glendy, Carl	Oconto	Pump	Irrig.	.27	13	14	21	Custer	Oct.	11	1940	3290
Loup R., South	Weaver, W. L.	Oconto	Pump	Irrig.	.30	24	15	22	Custer	Nov.	19	1940	3332
Loup R., South	Arrasmith, Wm. J.	Grand Island	Pump	Irrig.		5	12	13	Buffalo	Jan.	22	1941	3376*
Loup R., South	Michelson, James A.	Grand Island	Pump	Irrig.	1.69	35	13	12	Howard	Mar.	31	1943	3603
Loup R., South	Eggleston, Lige L.	Oconto	Pump	Irrig.	.55	14	14	21	Custer	Sept.	1	1943	3637

* Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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., South	Christensen, Julia A.	Brush, Colo.	Pump	Irrig.		14	15	22	Custer	Oct.	30	1945	3858	
Loup R., South	Arrasmith, W. J.	Grand Island	Pump	Irrig.			5	12	18	Buffalo	Apr.	29	1946	3898
Loup R., South, Springs, Trib. to	State Game and Parks Commission	Lincoln	Ravenna State Lake	Resort	†80AF	9	12	14	Buffalo	Sept.	15	1939	2964	
Messenger Creek	Bartz, Paul	North Loup	Pump	Irrig.	.24	26	19	13	Valley	Dec.	20	1934	2501	
Miller Reservoir	Federal Land Bank	Omaha	Miller Canal	Irrig.		35	14	11	Howard	Jan.	20	1934	2476	
Mira Creek	McClellen, C. W.	North Loup	Mira Reservoir	Storage	†14AF	26	18	13	Valley	Mar.	8	1912	1182	
Mira Creek	Hutchins, W. T.	North Loup	Hutchins Dam	Irrig.	.03	26	18	13	Valley	Apr.	18	1916	1453	
Mira Creek	Barber, Christa A.	North Loup	Pump	Irrig.	.46	31	18	12	Greeley	Jan.	4	1945	3791	
Mira Res.	McClellen, C. W.	North Loup	Pump	Irrig.		26	18	13	Valley	Mar.	8	1912	1239	
Morris Res.	Morris, E. O.	Ansley	Morris Canal	Irrig.		9	15	18	Custer	Feb.	18	1941	3395	
Mortensen Res.	Travelers Ins. Co.	Omaha	Mortensen Canal	Irrig.		21	14	11	Howard	Aug.	31	1931	2251	
Mud (Beaver) Cr.	Ravenna Mills	Ravenna	Ravenna Mills	Power		8	12	14	Buffalo				1037*	
Mud (Beaver) Cr.	Benson, C. W.	Litchfield	Litchfield Mills	Power		33	14	16	Sherman				999*	
Mud (Beaver) Cr.	Mason City Roller Mill and Light Plant	Mason City	Mason City Mill and Light Plant	Power		31	15	17	Custer				1042*	
Mud (Beaver) Cr.	Penn, Chas.	Broken Bow	Penn Canal	Irrig.	.50	33	17	20	Custer	Aug.	14	1894	215	
Mud (Beaver) Cr.	C. B. & Q. R. R. Co.	Lincoln	Ravenna Pipe Line	Dom.	1.00	8	12	14	Buffalo	July	26	1919	1550	
Mud (Beaver) Cr.	Grammer, Mrs. Sarah F.	Kearney	Pump	Irrig.	1.21	13	14	17	Custer	Aug.	20	1926	1848	
Mud (Beaver) Cr.	Skochdopole, Ernest	Ravenna	Pump	Irrig.	2.10	1	12	15	Buffalo	Nov.	8	1926	1871	
Mud (Beaver) Cr.	Wilson, Otis N.	Litchfield	Pump	Irrig.	.51	14	14	17	Custer	Dec.	10	1926	1879	
Mud (Beaver) Cr.	Vansant, J. A.	Broken Bow	Pump	Irrig.	.27	33	17	20	Custer	Dec.	13	1926	1880	
Mud (Beaver) Cr.	Sorensen, U.	Berwyn	Pump	Irrig.	1.00	21	16	19	Custer	Jan.	14	1927	1884	

Mud (Beaver) Cr.	Willoughby, C. D.	Mason City	Pump	Irrig.	1.10	34	15	17	Custer	Feb.	8	1927	1896
Mud (Beaver) Cr.	Yanda, Geo. J.	Ravenna	Pumps	Irrig.	.90	8	12	14	Buffalo	Apr.	4	1927	1920
						9	12	14	Buffalo	Apr.	4	1927	1920
Mud (Beaver) Cr.	Duke, R. H., et al	Mason City	Pump	Irrig.	2.41	31	15	17	Custer	Nov.	10	1928	2051
Mud (Beaver) Cr.	Hammond, Wm. E.	Broken Bow	Pump	Irrig.	.47	18	16	19	Custer	Jan.	3	1929	2059
Mud (Beaver) Cr.	Tracy, R. N.	Mason City	Pump	Irrig.	.13	32	15	17	Custer	Apr.	23	1929	2079
Mud (Beaver) Cr.	Slote, E. A.	Litchfield	Pump	Irrig.	.64	33	14	16	Sherman	May	31	1934	2391
Mud (Beaver) Cr.	Haller, H. F.	Litchfield	Pump	Irrig.	.71	19	14	16	Sherman	July	13	1934	2423
Mud (Beaver) Cr.	Lang, J. R.	Litchfield	Pump	Irrig.	1.25	13	14	17	Custer	July	27	1934	2445
Mud (Beaver) Cr.	Dietrich, Catherine, et al	Ravenna	Pump	Irrig.	1.26	4	12	15	Buffalo	Aug.	16	1934	2464
Mud (Beaver) Cr.	Perry, John J.	Sweetwater	Pump	Irrig.	.47	3	12	15	Buffalo	Aug.	21	1936	2620
Mud (Beaver) Cr.	Amsberry, Rollie	Mason City	Pump	Irrig.	.22	22	15	18	Custer	Jan.	26	1937	2684
Mud (Beaver) Cr.	Amsberry, Emma	Mason City	Pump	Irrig.	.56	23	15	18	Custer	Sept.	18	1937	2789
Mud (Beaver) Cr.	Hall, John	Ansley	Pump	Irrig.	.54	15	15	18	Custer	Oct.	1	1937	2792
Mud (Beaver) Cr.	Lang, C. E.	Litchfield	Pump	Irrig.	1.15	19	14	16	Sherman	Oct.	4	1937	2793
Mud (Beaver) Cr.	Luther, Violet V.	Mason City	Pump	Irrig.	.39	25	15	18	Custer	Oct.	4	1937	2794
Mud (Beaver) Cr.	Banning, Roy J.	Mason City	Pump	Irrig.	.40	33	15	17	Custer	Nov.	5	1937	2800
Mud (Beaver) Cr.	West, Lyman and Schumacher, Mrs. Theo.	Mason City Lincoln	Pump	Irrig.	.84	23	15	18	Custer	Nov.	16	1937	2802
Mud (Beaver) Cr.	Sherbeck, Melvin H.	Ansley	Pump	Irrig.	.43	5	15	18	Custer	Sept.	14	1938	2884
Mud (Beaver) Cr.	Glass, C. O.	Omaha	Pump	Irrig.	.51	1	13	16	Sherman	Sept.	25	1939	2973
Mud (Beaver) Cr.	Williams, Earl	Ansley	Pump	Irrig.	.46	31	16	18	Custer	Nov.	10	1939	3015
Mud (Beaver) Cr.	Feldman, Fred	Litchfield	Pump	Irrig.	.17	33	14	16	Sherman	Nov.	22	1939	3025
Mud (Beaver) Cr.	Cooper-Sharpless	Los Angeles	Pump	Irrig.	.54	15	15	18	Custer	Feb.	9	1940	3090
Mud (Beaver) Cr.	Nelson, Charley A.	Litchfield	Pump	Irrig.	.23	11	14	17	Custer	Mar.	1	1940	3100
Mud (Beaver) Cr.	Cooper, Bob C. and Anderson, John A.	Omaha Litchfield	Pump	Irrig.	.53	28	14	16	Sherman	Mar.	12	1940	3115
Mud (Beaver) Cr.	Mortensen, Pearl L.	Ravenna	Pump	Irrig.	.21	34	13	15	Sherman	Mar.	15	1940	3119
Mud (Beaver) Cr.	Fisher, James H., Est.	Ravenna	Pump	Irrig.	.67	34	13	15	Sherman	Apr.	1	1940	3128
Mud (Beaver) Cr.	Moody, Cleon M.	Ansley	Pump	Irrig.	.40	5	15	18	Custer	May	13	1940	3157
Mud (Beaver) Cr.	Chamberlin, W. C.	Mason City	Pump	Irrig.	.52	32	15	17	Custer	July	15	1940	3200
Mud (Beaver) Cr.	Zinnel, Ella	Sweetwater	Pump	Irrig.	.37	2	12	15	Buffalo	July	16	1940	3201
Mud (Beaver) Cr.	Schulz, Martin	Ravenna	Pumps	Irrig.	1.02	7	12	14	Buffalo	July	18	1940	3205
						12	12	15	Buffalo	July	18	1940	3205

†Reservoir capacity alleged by applicant.

*Denotes claim not adjudicated.

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

Source	Appropriator or Operator	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) Cr.	Talbot, V. C.	Broken Bow	Pump No. 2	Irrig.	.18	17	16	19	Custer	July	24	1940	—	3210
Mud (Beaver) Cr.	Beranek, Louis	St. Michael	Pump	Irrig.	.09	8	12	14	Buffalo	July	24	1940	—	3213
Mud (Beaver) Cr.	Jungles, Peter R.	Ravenna	Pump	Irrig.	.85	12	12	15	Buffalo	Aug.	10	1940	—	3229
Mud (Beaver) Cr.	Morris, E. O.	Ansley	Pump	Irrig.	.87	9	15	18	Custer	Aug.	15	1940	—	3232
Mud (Beaver) Cr.	Nelsen, Chris	Berwyn	Pump	Irrig.	1.15	36	16	19	Custer	Sept.	3	1940	—	3249
Mud (Beaver) Cr.	Niedt, Senate	Broken Bow	Pump	Irrig.		17	16	19	Custer	Sept.	10	1940	—	3259
Mud (Beaver) Cr.	Givens, Charles	Litchfield	Pump	Irrig.	.40	35	14	16	Sherman	Jan.	2	1941	—	3361
Mud (Beaver) Cr.	McFadden, Clyde	Litchfield	Pump	Irrig.	.44	12	13	16	Sherman	Jan.	15	1941	—	3369
Mud (Beaver) Cr.	Church, Mrs. Irene	Denver, Colo.	Pump	Irrig.	.22	27	13	15	Sherman	Jan.	18	1941	—	3370
Mud (Beaver) Cr.	Talbot, V. C.	Broken Bow	Pump No. 3	Irrig.		17	16	19	Custer	Jan.	22	1941	—	3374
Mud (Beaver) Cr.	Farmers Mutual Ins. Co.	Lincoln	Pump	Irrig.	.49	2	14	17	Custer	Feb.	3	1941	—	3381
Mud (Beaver) Cr.	Zinnel, Herbert O., et al	Sweetwater	Pump	Irrig.	.36	2	12	15	Buffalo	Feb.	13	1941	—	3389
Mud (Beaver) Cr.	Muhlbach, Nora	Ravenna	Pump	Irrig.	.37	12	12	15	Buffalo	Mar.	3	1941	—	3407
Mud (Beaver) Cr.	City of Ravenna	Ravenna	Pump	Irrig.	.02	8	12	14	Buffalo	Mar.	17	1941	—	3415
Mud (Beaver) Cr.	Grand Lodge Sons of Herman	Columbus	Pump	Irrig.	.25	1	12	15	Buffalo	June	19	1941	—	3454
Mud (Beaver) Cr.	Stevens, Howard B.	Broken Bow	Pump	Irrig.	.44	35	16	19	Custer	Aug.	5	1941	—	3480
Mud (Beaver) Cr.	McNeil, Mary J.	Loup City	Pumps	Irrig.	.68	29	13	15	Sherman	Sept.	8	1941	—	3494
Mud (Beaver) Cr.	Sielafl, F. R.	Ravenna	Pump	Irrig.	.50	7	12	14	Buffalo	Feb.	16	1942	—	3552
Mud (Beaver) Cr.	Minshull, Rhea L.	Kearney	Pump	Irrig.	.13	1	13	16	Sherman	July	16	1943	—	3625
Mud (Beaver) Cr.	Petrik, James	Ansley	Pump	Irrig.	.56	16	15	18	Custer	Jan.	8	1944	—	3670
Mud (Beaver) Cr.	McFadden, Russell	Burwell	Pump	Irrig.	.23	35	14	16	Sherman	Jan.	31	1944	—	3677
Mud (Beaver) Cr.	Frye, John, Estate	Sweetwater	Pump	Irrig.	.54	2	12	15	Buffalo	Mar.	8	1944	—	3696
Mud (Beaver) Cr.	Nilsen, T. Miller	Hazard	Pump	Irrig.	.23	32	13	15	Sherman	May	1	1944	—	3721
Mud (Beaver) Cr.	Nilsen, T. Miller	Hazard	Pump	Irrig.	.15	13	13	16	Sherman	May	8	1944	—	3723
Mud (Beaver) Cr.	Reinertson, Richard A.	Sweetwater	Pump	Irrig.	.60	4	12	15	Buffalo	July	10	1944	—	3743
Mud (Beaver) Cr.	Larsen, L. M.	Hazard	Pump	Irrig.	.38	33	13	15	Sherman	Aug.	11	1944	—	3750
Mud (Beaver) Cr.	Larsen, Mary	Hazard	Pump	Irrig.	.76	28	13	15	Sherman	Aug.	11	1944	—	3751
Mud (Beaver) Cr.	Kramer, John	Mason City	Pump	Irrig.	.52	30	15	17	Custer	Aug.	23	1944	—	3757

Mud (Beaver) Cr.	Cooper-Sharpless	Los Angeles	Pump	Irrig.	.10	15	15	18	Custer	Oct.	26	1944	3778
Mud (Beaver) Cr.	McFadden, Russell	Burwell	Pump	Irrig.	.17	34	14	16	Sherman	Jan.	29	1945	3801
Mud (Beaver) Cr.	Nilsen, T. Miller	Sweetwater	Pump	Irrig.	.58	33	13	15	Sherman	Mar.	24	1945	3817
Mud (Beaver) Cr.	Aden, John F.	Hazard	Pump	Irrig.	.12	29	13	15	Sherman	Mar.	11	1946	3882
Mud (Beaver) Cr.	Capellen, Floyd H.	Hazard	Pump	Irrig.		13	13	16	Sherman	Mar.	11	1946	3883
Mud (Beaver) Cr.	McKeon, M. F.	Sweetwater	Pump	Irrig.	.90	3	12	15	Buffalo	Apr.	20	1946	3895
Mud (Beaver) Cr.	Wagner, F. F.	Burwell	Pump	Irrig.		34	15	1	Custer	June	5	1946	3912
Mud (Beaver) Cr.	Foster, Doane C.	Berwyn	Pump	Irrig.		22	16	19	Custer	July	23	1946	3930
Ravine, Trib. to	Morris, E. O.	Ansley	Morris Reservoir	Storage	†18AF	9	15	18	Custer	Feb.	18	1941	3394
Munson Creek	Lassen, Niels P.	Elba	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	Pump	Irrig.	.53	30	14	11	Howard	Mar.	5	1930	2126
Oak Creek	Village of Dannebrog	Dannebrog	Dannebrog Lake	Fish	†58AF	2	13	11	Howard	Nov.	29	1937	2809
Oak Creek	Krogh, Peter	Omaha	Pump	Irrig.	.25	30	14	11	Howard	Sept.	26	1939	2976
Oak Creek	Lamb, Hertha J.	Farwell	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
Oconee Drain	Gerrard, Mary L.	Columbus	Pump	Irrig.	1.37	3	17	2	Platte	Nov.	7	1944	3781
Oconee Drain	Gerhold, A. N.	Columbus	Pump	Irrig.	.93	3	17	2	Platte	Mar.	8	1945	3813
Otter Creek, Ravine, Trib. to	Judy, Roy B.	Miller	Judy Reservoir	Storage	†45AF	18	12	18	Buffalo	Apr.	17	1941	3429
Platte River	Fremont Canal and Power Company	Fremont	Fremont Canal	Irrig. and Power	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 R., Trib. to	Klosterman, H. F.	David City	Klosterman Canal	Irrig.	.43	9	16	2E	Butler	Oct.	9	1939	2982
Qualsett Creek	Qualsett, Olaf	Petersburg	Pump	Irrig.	.26	30	22	7	Boone	Apr.	19	1937	2733
Sand Creek	Johnson, Floyd S.	Callaway	Pump	Irrig.	.24	10	15	23	Custer	Feb.	21	1916	1447
Sand Creek	Brega, R. E.	Callaway	Pump	Irrig.	.12	11	15	23	Custer	Feb.	25	1946	3875

†Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Sand Creek, Ravine, Trib. to.	Eaton, R. A.	Pleasanton	Eaton Reservoir	Storage	129AF	5	11	15	Buffalo	Oct.	13	1944	---	3776
Shady Lake	Smith, Adam	Columbus	Pump	Irrig.	1.66	15	17	1	Platte	Feb.	2	1939	---	2907
Shell Creek	Schmitt, Bros.	Columbus	Schmitt Canal	Irrig.	2.29	19	18	1E	Platte	Dec.	17	1894	292a	---
Shell Creek	Schmitt, Bros.	Columbus	Schmitt Canal	Power	30.50	19	18	1E	Platte	Dec.	17	1894	292b	---
Shell Creek	Gottberg, Jacob	Columbus	Gottberg Canal	Irrig.	1.00	24	18	1	Platte	June	6	1895	---	2
Shell Creek	Arndt, Edward	Platte Center	Pump	Irrig.	2.21	24	18	2	Platte	July	31	1936	---	2603
Shell Creek	Herde, Phillip	Schuyler	Pump	Irrig.	.39	34	18	3E	Colfax	Sept.	28	1936	---	2642
Shell Creek	Wolfe, John H.	Schuyler	Pump	Irrig.	.46	28	18	3E	Colfax	Aug.	9	1937	---	2771
Shell Creek	Herde, Phillip	Schuyler	Pump	Irrig.	.25	34	18	3E	Colfax	Sept.	10	1937	---	2782
Shell Creek	Maher, Catherine M.	New York	Pump	Irrig.	2.36	30	18	1	Platte	Sept.	14	1937	---	2787
Shell Creek	Kavan, Emil L.	Schuyler	Pump	Irrig.	.48	29	18	3E	Colfax	Nov.	1	1937	---	2798
Shell Creek	Marohn, Herman, et al.	Schuyler	Pump	Irrig.	.64	23	18	2E	Colfax	Dec.	10	1937	---	2814
Shell Creek	Kluck, Rose	Richland	Pump	Irrig.	.48	13	18	2	Platte	Dec.	18	1937	---	2815
Shell Creek	Bailey, John C.	Schuyler	Pump	Irrig.	1.69	1	17	3E	Colfax	May	6	1938	---	2871
Shell Creek	Krivohlavek, John F.	Schuyler	Pump	Irrig.	1.10	35	18	3E	Colfax	Apr.	29	1939	---	2918
Shell Creek	Bailey, T. O.	Schuyler	Pump	Irrig.	.69	12	17	3E	Colfax	May	19	1939	---	2923
Shell Creek	Bott, Fred	Schuyler	Pump	Irrig.	1.06	22	18	2E	Colfax	May	24	1939	---	2925
Shell Creek	Hughes, Frank M., Est.	Schuyler	Pump	Irrig.	1.99	1	17	3E	Colfax	June	17	1939	---	2929
Shell Creek	Schmid, Adam	Columbus	Pump	Irrig.	1.09	19	18	2E	Colfax	July	28	1939	---	2941
Shell Creek	Klug, Arthur and Emil	Columbus	Pump	Irrig.	.26	24	18	1E	Platte	July	29	1939	---	2943
Shell Creek	De Bower, Garrett A.	Schuyler	Pump	Irrig.	.44	30	18	3E	Colfax	July	31	1939	---	2944
Shell Creek	Lusche, G. W.	Columbus	Pumps	Irrig.	.51	14	18	1E	Platte	Oct.	26	1939	---	2997
Shell Creek	Heibel, Julius	Columbus	Pump	Irrig.	.37	22	18	1E	Platte	Nov.	6	1939	---	3009
Shell Creek	Pose, Frank	Columbus	Pump No. 2	Irrig.	.41	22	18	1E	Platte	Nov.	21	1939	---	3023
Shell Creek	Gossman, Charles A.	Platte Center	Pump	Irrig.	.47	19	18	1	Platte	Nov.	22	1939	---	3028

Shell Creek	Heibel, Carl	Columbus	Pump	Irrig.	.21	24	18	1E	Platte	Dec.	1	1939	3035
Shell Creek	Mastny, Anton, Sr.	Schuyler	Pump	Irrig.	.90	35	18	3E	Colfax	Jan.	20	1940	3080
Shell Creek	Krivohavek, John F.	Schuyler	Pump	Irrig.	.10	35	18	3E	Colfax	Mar.	31	1941	3420
Shell Creek	Horejsi, Milo.	Schuyler	Pump	Irrig.	.50	9	17	4E	Colfax	Apr.	2	1941	3424
Shell Creek	Lightner, Louis	Columbus	Pump	Irrig.	.48	14	18	2	Platte	Sept.	9	1941	3496
Shell Creek	Haidley, Charles	Schuyler	Pump	Irrig.	.23	8	17	4E	Colfax	Dec.	24	1941	3541
Shell Creek	Luckey, Emil F.	Columbus	Pump	Irrig.	.36	23	18	1E	Platte	Apr.	6	1942	3561
Shell Creek	Maxwell, David E.	Columbus	Pump	Irrig.	.96	29	18	1	Platte	Mar.	17	1943	3599
Skull Creek	Dawson, H. H.	Linwood	Pump	Irrig.	1.18	26	17	4E	Butler	Nov.	20	1939	3022
Spring Branch	Milldale Farm and Live Stock Improvement 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	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	Pump	Irrig.	.26	32	16	9	Howard	Oct.	23	1940	3306
Spring Creek	Anderson, Clayton	Cushing	Pump	Irrig.	.18	30	16	9	Howard	Mar.	27	1944	3702
Spring Creek	Wagner, Chas. J.	Cushing	Pump	Irrig.	.21	7	16	9	Howard	Aug.	21	1944	3756
Spring Creek	Wagner, C. J.	Cushing	Pump No. 2	Irrig.	.27	18	16	9	Howard	Sept.	19	1944	3767
# Spring Creek	Hanson, Earl	Ord	Pump	Irrig.	.25	27	19	13	Valley	May	15	1944	3728
Timber Creek	Hoffman, F. A.	Belgrade	Pump	Irrig.		21	17	7	Nance	Dec.	9	1940	3346
Timber Creek, Ravine, Trib. to	Robinson, Wm. A.	Cedar Rapids	Robinson Reservoir	Storage	†40.5AF	33	18	8	Boone	July	30	1946	3935
Tucker Creek	Pressey, H. E., Estate	Oconto	Maples Canal	Irrig.	.97	9	14	21	Custer	Sept.	13	1934	2475
Turkey Creek	Travelers Ins. Co.	Omaha	Mortensen Reservoir	Storage	†6.25AF	21	14	11	Howard	Aug.	31	1931	2232
Turkey Creek	Federal Land Bank	Omaha	Miller Reservoir	Storage	†30AF	35	14	11	Howard	Jan.	20	1934	2356
Turkey Creek	McKoski, Joe	Dannebrog	Pump	Irrig.	.24	20	14	11	Howard	Aug.	26	1937	2778

† Reservoir capacity alleged by applicant.

Spring Creek in Howard County and Spring Creek in Valley County are separate streams.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Turtle Creek	Rutar, Joseph	Elyria	Rutar Canal	Irrig.	.72	27	20	15	Valley	May	5	1943	—	3611
Victoria Creek	Myers, Perry, Estate	Anselmo	Victoria Canal No. 1	Irrig.	.71	1	19	21	Custer	Mar.	17	1894	210	—
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	Milburn	Laughran-Bell Canal	Irrig.	.31	3	19	21	Custer	Sept.	22	1894	217	—
Victoria Creek	Myers, Perry, Estate	Anselmo	Victoria Canal No. 1	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
Victoria Creek	McGraw, Chas.	Broken Bow	McGraw Canal	Irrig.		6	19	20	Custer	Aug.	12	1926	—	1845
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	Pump	Irrig.	.80	6	19	20	Custer	June	4	1934	—	2398
Wagner Creek	Leui, Joseph	Comstock	Pump	Irrig.	.82	3	18	17	Custer	July	18	1939	—	2985
Wallace Creek	Farrell, L. R.	Scotia	Pump	Irrig.	.56	16	17	12	Greeley	Sept.	26	1944	—	3770
Wallace Creek	Honnold, C. L.	Tuttle, Okla.	Pump	Irrig.	.65	9	17	12	Greeley	Nov.	20	1944	—	3785
Welsh Reservoir	Welsh, W. M.	Lincoln	Welsh Canal	Irrig.		36	17	18	Custer	May	2	1941	—	3624
Wiggle Creek	May, J. H.	Callaway	Pump	Irrig.	.30	3	15	23	Custer	Oct.	17	1928	—	2045
Woten Creek	Johnson, Emil	Rockville	Pump	Irrig.	.49	6	13	13	Sherman	Oct.	14	1940	—	3293

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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-Tomhagen	Battle Creek	Battle Creek Mills	Power	10.67	36	24	3	Madison	Nov.	12	1898	---	484
Battle Creek	Hohenstein-Tomhagen	Battle Creek	Battle Creek Mills	Power	20.00	36	24	3	Madison	Apr.	20	1906	---	818
Battle Creek	Lucht, Mary	Battle Creek	Pump	Irrig.	.59	12	23	3	Madison	Oct.	20	1939	---	2994
Battle Creek	Bierman, Herbert	Battle Creek	Pump	Irrig.	.64	14	23	3	Madison	Nov.	4	1939	---	3006
Battle Creek	Eyl, Carl	Battle Creek	Pump	Irrig.	.46	12	23	3	Madison	Nov.	8	1939	---	3012
Battle Creek	Lewis, Emma S.	McLean, Va.	Pump	Irrig.	.54	12	23	3	Madison	Nov.	22	1939	---	3028
Battle Creek	Bierman, Erich	Battle Creek	Pump	Irrig.	.32	12	23	3	Madison	Dec.	11	1939	---	3042
Buffalo Creek	Lewis, Sylvester	Meadow Grove	Pump	Irrig.	.79	23	24	4	Madison	Nov.	9	1936	---	2655
Buffalo Creek	Lewis, Sylvester	Meadow Grove	Pump	Irrig.	.48	23	24	4	Madison	Oct.	26	1939	---	3000
Camp Creek	Pinney, E. R.	Lincoln	Pump	Irrig.	.50	25	11	8E	Lancaster	Nov.	22	1939	---	3024
Cedar Creek	Carlson, C. A.	Elgin	Pump	Irrig.	.15	3	23	6	Antelope	Mar.	17	1937	---	2716
Cedar Creek	Johnson Brothers	Oakdale	Pump	Irrig.	.41	11	24	6	Antelope	Oct.	10	1938	---	2891
Cedar Creek	Ofe Brothers	Oakdale	Pump	Irrig.	.09	1	24	6	Antelope	Dec.	27	1938	---	2904
Cedar Creek	Cram, V. S.	Oakdale	Pump	Irrig.	.04	12	24	6	Antelope	Mar.	1	1939	---	2911
Cedar Creek	Michaelson, Florence	Battle Creek	Pump	Irrig.	.23	10	23	6	Antelope	Oct.	16	1939	---	2987
Cedar Creek	Mills, G. O.	Tilden	Pump	Irrig.	.18	3	23	6	Antelope	Oct.	18	1939	---	2991
Cedar Creek	Hunter, G. W.	Oakdale	Pump	Irrig.	.86	12	24	6	Antelope	May	25	1940	---	3166
Cedar Creek	Clemensen, George	Oakdale	Pump	Irrig.	.06	15	24	6	Antelope	Oct.	14	1940	---	3295
Cedar Creek	Dworak, Mary	Oakdale	Pump	Irrig.		1	24	6	Antelope	May	9	1946	---	3904
Childs Reservoir	Childs, F. A.	Oakdale	Childs Canal	Irrig.		3	24	5	Antelope	Mar.	4	1940	---	3125
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

† Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in			Location of Diversion or Dam			Date of Priority		Doc. No.	App. No
					Sec.-ft.	S	T	R	County	Mo.	D	Yr.		
Clearwater Cr.	Thiele, Carl J.	Clearwater	Pump	Irrig.	.46	26	25	9	Holt	Dec.	12	1939	---	3048
Clearwater Cr.	McDonald, Charles W.	Ewing	Pump	Irrig.	.29	33	25	9	Holt	Dec.	18	1939	---	3065
Clearwater Cr.	Schrunk, Mabel E.	Atkinson	Pump	Irrig.	.39	14	24	10	Wheeler	Sept.	25	1940	---	3275
Clearwater Cr.	Angus, Earl	Clearwater	Pump	Irrig.	.40	6	25	7	Antelope	Mar.	4	1944	---	3694
Dee Creek	Hilt, Peter, Jr.	Waverly	Pump	Irrig.	1.72	7	11	9E	Cass	June	12	1933	---	2326
Deer Creek	DeLay, J. J.	Norfolk	Pump	Irrig.	1.54	30	24	3	Madison	Apr.	11	1944	---	3711
Dog Town Cr.	Beckman, John	Wayne	Pump	Irrig.	.63	6	26	4E	Wayne	Aug.	15	1936	---	2613
Dry Creek	Haas, Mitchel	Pierce	Pump	Irrig.		16	26	2	Pierce	Aug.	15	1946	---	3944
Dry Gully	Scott, R. D.	Lincoln	Scott Reservoir	Storage	†72AF	22	12	5E	Lancaster	Dec.	7	1936	---	2669
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	---
Elkhorn River	Davis, Jos.	O'Neill	Davis Canal	Irrig.	1.43	31	29	11	Holt	Feb.	8	1894	260	---
Elkhorn River	Carlson, Thos.	O'Neill	Carlson Canal No. 1	Irrig.	1.00	32	29	11	Holt	Feb.	8	1894	261	---
Elkhorn River	Carlson, Thos.	O'Neill	Carlson 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.	Omaha	Pump	Irrig.	.79	10	25	7	Antelope	July	5	1934	---	2416
Elkhorn River	Heitzman, Herman	West Point	Pump	Irrig.	.31	21	22	6E	Cuming	Mar.	16	1935	---	2528
Elkhorn River	McGuire, F. V.	Wisner	Pump	Irrig.	1.21	32	24	4E	Cuming	Aug.	14	1936	---	2612
Elkhorn River	Collins, John M.	West Point	Pump	Irrig.	.39	22	22	6E	Cuming	Aug.	31	1936	---	2630

BUREAU OF IRRIGATION

Elkhorn River	Dwyer, Geo. F.	Waterloo	Pump	Irrig.	.08	10	15	10E	Douglas	Sept.	22	1936	2641
Elkhorn River	J. C. Robinson Real Estate Co.	Waterloo	Pump	Irrig.	1.10	3	15	10E	Douglas	Nov.	5	1936	2653
Elkhorn River	Torbert, F. B., Estate	Norfolk	Pump	Irrig.	.09	36	24	2	Madison	Dec.	21	1936	2674
Elkhorn River	Rozmarin, Joseph R.	Stanton	Pump	Irrig.	.05	13	23	2E	Stanton	Mar.	1	1937	2704
Elkhorn River	Brink, Orris	Oakdale	Pump	Irrig.	.82	8	24	5	Antelope	June	4	1937	2750
Elkhorn River	Feldhahn, Albert	Norfolk	Pump	Irrig.	.69	6	23	1E	Stanton	July	30	1937	2767
Elkhorn River	Steward, J. B.	Tilden	Pump	Irrig.	.69	15	24	4	Madison	Mar.	18	1938	2850
Elkhorn River	Sunderland, John E.	Omaha	Pump	Irrig.	1.86	34	15	10E	Douglas	Apr.	4	1938	2860
Elkhorn River	Bauermeister, C. H.	Battle Creek	Pump	Irrig.	.88	30	24	2	Madison	Sept.	28	1939	2977
Elkhorn River	Flesner and Unkel	Battle Creek	Pump	Irrig.	3.14	29	24	2	Madison	Oct.	11	1939	2983
Elkhorn River	O'Brien, James, et al.	Tilden	Pump	Irrig.	.76	4	24	5	Antelope	Oct.	18	1939	2990
Elkhorn River	Freiberg, Harry	Stanton	Pump	Irrig.	.56	8	23	3E	Stanton	Nov.	10	1939	3016
Elkhorn River	Boldt, William, Jr.	Stanton	Pump	Irrig.	.27	29	23	2E	Stanton	Dec.	13	1939	3050
Elkhorn River	Eggers, Elman	Tilden	Pump	Irrig.	.64	11	24	5	Antelope	Dec.	19	1939	3061
Elkhorn River	Zimmerer, Joe	Humphrey	Pump No. 1.	Irrig.	.40	17	23	3E	Stanton	Jan.	2	1940	3069
Elkhorn River	Martensen, Peter	Oakdale	Pump	Irrig.	.42	8	24	5	Antelope	Jan.	9	1940	3073
Elkhorn River	Childs, F. A.	Oakdale	Pump	Irrig.	.21	3	24	5	Antelope	Mar.	4	1940	3102
Elkhorn River	Idlewild Farm Co.	Fremont	Pumps	Irrig.	.81	29	18	9E	Dodge- Washington	May	10	1940	3155
Elkhorn River	Emerson, R. A.	Oakdale	Pump	Irrig.	.09	1	24	6	Antelope	Feb.	14	1941	3391
Elkhorn River	Wittwer, Joe	Tilden	Pump	Irrig.	.38	3	24	5	Antelope	Mar.	5	1941	3409
Elkhorn River	Werner, Fred C.	Meadow Grove	Pump	Irrig.	1.10	24	24	4	Madison	Nov.	18	1941	3532
Elkhorn River, Springs, Trib. to	Childs, F. A.	Oakdale	Childs Reservoir	Storage	†102AF	3	24	5	Antelope	Mar.	4	1940	3101
Elkhorn R., N. F.	Norfolk Cereal Flour Mills	Norfolk	Norfolk Cereal and Flour Mill	Power	100.00	23	24	1	Madison	Mar.	1	1870	996
Elkhorn R., N. F.	Shurtleff, R. J.	Norfolk	Pump	Irrig.	1.03	15	24	1	Madison	June	15	1929	2085
Elkhorn R., N. F.	Werner, Paul	Norfolk	Pump	Irrig.	.42	10	24	1	Madison	Aug.	17	1933	2343
Elkhorn R., N. F.	Hagel, Robert A.	Norfolk	Pump	Irrig.	.50	15	24	1	Madison	Sept.	12	1934	2474
Elkhorn R., N. F.	Bathke, Robert	Norfolk	Pump	Irrig.	.02	22	24	1	Madison	Apr.	4	1935	2533
Elkhorn R., N. F.	Shurtleff, R. J.	Norfolk	Pump	Irrig.	.53	15	24	1	Madison	May	2	1936	2577
Elkhorn R., N. F. and Dry Cr.	Chilvers, C. H.	Pierce	Pumps	Irrig.	5.91	9	26	2	Pierce	July	14	1936	2588
						10	26	2	Pierce	July	14	1936	2588
						15	26	2	Pierce	July	14	1936	2588

†Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.
						S	T	R	County	Mo.			D Yr.
Elkhorn R., N. F.	Werner, John	Norfolk	Pump	Irrig.	.56	26	24	1	Madison	July	24 1936	2597
Elkhorn R., N. F.	Koiterman, Erwin	Pierce	Pump	Irrig.	1.89	15	26	2	Pierce	July	30 1936	2602
Elkhorn R., N. F.	Koehler, Walter	Osmond	Pump	Irrig.	.71	19	27	2	Pierce	Aug.	13 1936	2611
Elkhorn R., N. F.	Doughty, L. H.	Norfolk	Pump	Irrig.	.24	26	24	1	Madison	Nov.	18 1936	2661
Elkhorn R., N. F.	Kirchmann, Christian C.	Pierce	Pump	Irrig.	.01	26	26	2	Pierce	Dec.	11 1936	2670
Elkhorn R., N. F.	Kluender, Bertha and Riggart, Mrs. M.	Norfolk	Pump	Irrig.	.21	22	24	1	Madison	May	25 1937	2747
Elkhorn R., N. F.	Richter, Herman	Norfolk	Pump	Irrig.	.43	36	24	1	Madison	Apr.	27 1938	2865
Elkhorn R., N. F.	Eberly, E. F.	Norfolk	Pumps	Irrig.	.15	26	24	1	Madison	May	26 1938	2875
Elkhorn R., N. F.	Eberly, E. F.	Norfolk	Pump	Irrig.	.29	26	24	1	Madison	May	26 1938	2875R
Elkhorn R., N. F.	Hecker, Ida D.,	San Diego	Pump	Irrig.	1.05	28	25	1	Pierce	Nov.	20 1939	3021
Elkhorn R., N. F.	Meierhenry, Fred	Norfolk	Pump	Irrig.	.18	33	25	1	Pierce	Dec.	11 1939	3043
Elkhorn R., N. F.	Brown, Willard H.	Norfolk	Pump	Irrig.	1.25	36	24	1	Madison	Mar.	8 1940	3110
Elkhorn R., N. F.	Baksa, Joseph	Norfolk	Pump	Irrig.	.22	26	24	1	Madison	Mar.	18 1940	3121
Elkhorn R., N. F.	Cook, Ethel Toll	Norfolk	Pump	Irrig.	.08	26	24	1	Madison	Feb.	19 1941	3398
Elkhorn R., N. F.	Otto, Alfred	Pierce	Pump	Irrig.		26	26	2	Pierce	Aug.	3 1946	3937
Elkhorn R., N. F.	Massman, Frank G.	Pierce	Pump	Irrig.		8	26	2	Pierce	Aug.	7 1946	3941
Elkhorn R., N. F.	Eichelberger, W. O.	Norfolk	Pump	Irrig.		33	25	1	Pierce	Aug.	15 1946	3945
Elkhorn R., N. F.	Otto, Alfred	Pierce	Pump	Irrig.		9	26	2	Pierce	Aug.	20 1946	3946
Elkhorn R., N. F.	Magdanz, Donald F., et al	Pierce	Pump	Irrig.		32	27	2	Pierce	Sept.	11 1946	3958
Elkhorn R., N. F.	Wolf, David	Pierce	Pump	Irrig.		23	26	2	Pierce	Sept.	14 1946	3961
Elkhorn R., S. F.	Rothleuter, Albert	Ewing	Flour Mills	Power	33.00	3	26	9	Holt	Aug.	21 1898	464
Giles Creek	Young, Russell	Tilden	Pump	Irrig.	.62	13	24	5	Antelope	Nov.	24 1936	2663
Ground Water	Reynolds, B. W.	Fremont	Reynolds Well	Irrig.		3	17	SE	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*	
Holt Creek	Schermerhorn, F. D.	Omaha	Schermerhorn Canal	Irrig.	1.89	5	23	13	Holt	May	9	1941	3441
Knebel-Pofahl Lake	Knebel, Ernest H.	Norfolk	Pump	Irrig.	.27	2	23	1	Madison	Nov.	20	1939	3020
Knebel-Pofahl Lake	Knebel, Sophia	Norfolk	Pump	Irrig.	.35	2	23	1	Madison	Feb.	17	1940	3092
Logan Creek (Oakland Dr.)	Johnson, Harry G.	Oakland	Pump	Irrig.	1.71	35	22	8E	Burt	Feb.	20	1931	2192
Logan Creek (Oakland Dr.)	Johnson, J. A.	Oakland	Pump	Irrig.	.92	36	22	8E	Burt	Sept.	10	1931	2236
Logan Creek	Havekost, Bernard	Hooper	Pump	Irrig.	.37	33	20	8E	Dodge	July	10	1936	2536
Logan Creek	Meyer, Sophie H., Est.	Hooper	Pump	Irrig.	1.41	16	20	8E	Dodge	July	24	1936	2595
Logan Creek	Schole, George H.	Hooper	Pump	Irrig.	.38	32	20	8E	Dodge	July	24	1936	2596
Logan Creek	Uehling, Orville T.	Uehling	Pump	Irrig.	.26	3	20	8E	Dodge	July	25	1936	2598
Logan Creek	Meyer, Wm. J.	Bancroft	Pump	Irrig.	1.33	26	24	7E	Cuming	July	27	1936	2599
Logan Creek (Oakland Dr.)	Kuhlman-Von Essen	Oakland	Pump	Irrig.	.70	14	21	8E	Burt	Aug.	1	1936	2604
Logan Creek	Hoergmeyer, Otto	Hooper	Pump	Irrig.	.69	33	20	8E	Dodge	Aug.	17	1936	2615
Logan Creek	Golder, J. S.	Oakland	Pump	Irrig.	.14	3	20	8E	Dodge	Aug.	26	1936	2624
Logan Creek (Pender Dr.)	Novak, Victor	Pender	Pump	Irrig.	.78	36	25	6E	Thurston	Sept.	2	1936	2632
Logan Creek	Havekost, William	Hooper	Pump	Irrig.	.43	29	20	8E	Dodge	Nov.	12	1936	2659
Logan Creek (Bancroft Dr.)	Ronnenkamp, William	Bancroft	Pump	Irrig.	.26	26	24	7E	Cuming	Dec.	26	1936	2675
Logan Creek	Hall, D.	Wayne	Pump	Irrig.	.08	13	26	3E	Wayne	Jan.	28	1937	2688
Logan Creek	Lincoln Joint Stock Land Bank	Lincoln	Pump	Irrig.	.95	9	24	7E	Cuming	Feb.	12	1937	2697
Logan Creek (Pender Dr.)	Burmester, H. H.	Pender	Pump	Irrig.		16	25	6E	Thurston	Mar.	2	1937	2707
Logan Creek	Jordan and Moodie	Bancroft	Pump	Irrig.	1.42	22	24	7E	Cuming	Mar.	9	1937	2712
Logan Creek	Von Essen, Mrs. Marie	Oakland	Pump	Irrig.	.26	3	20	8E	Dodge	Mar.	13	1937	2714
Logan Creek	Ross, Albert T.	Bancroft	Pump	Irrig.	.76	15	24	7E	Cuming	May	4	1937	2739

"R" Denotes relocation.

* Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Logan Creek (Lyons Dr.)	Roscoe, Irving G.	Lyons	Pump	Irrig.	1.04	23	23	8E	Burt	Oct.	5	1937	2795
Logan Creek (Bancroft Dr.)	Hughes, Helen M.	Gretna	Pump	Irrig.	.64	32	24	8E	Thurston	July	28	1939	2942
Logan Creek (Bancroft Dr.)	Samson, Kenneth	Bancroft	Pump	Irrig.	.35	23	24	7E	Cuming	Aug.	4	1939	2947
Logan Creek (Lyons Dr.)	White, H. S.	Lyons	Pump	Irrig.	.97	2	23	8E	Burt	Sept.	6	1939	2959
Logan Creek (Bancroft Dr.)	Kratochvil, Vaclav	Bancroft	Pump	Irrig.	1.73	22	24	7E	Cuming	Sept.	12	1939	2963
Logan Creek (Pender Dr.)	Hilker, John	Pender	Pumps	Irrig.	.66	5	25	7E	Cuming	Sept.	20	1939	2966
Logan Creek (Pender Dr.)	Branham, Ruth E.	Omaha	Pump	Irrig.	.49	22	25	6E	Thurston	Dec.	18	1939	3057
Logan Creek (Pender Dr.)	John Hancock Mutual Life Insurance Co.	Sioux City, Ia.	Pump	Irrig.	.96	22	25	6E	Thurston	Jan.	8	1940	3072
Logan Creek (Logan Dr.)	Bradford, Richard	Winnebago	Pump	Irrig.	.49	25	26	5E	Thurston	Apr.	15	1940	3135
Logan Creek (Logan Dr.)	Collins, Helen	Wakefield	Pump	Irrig.	.20	36	27	4E	Dixon	Apr.	18	1940	3139
Logan Creek (Logan Dr.)	Mason, Wm.	Laurel	Pump	Irrig.	.71	3	28	3E	Cedar	June	17	1940	3181
Logan Creek	Preston, Keith	Lyons	Pump	Irrig.		11	22	8E	Burt	July	15	1946	3927
Logan Creek	Uehling, Kenneth C.	Lyons	Pump	Irrig.		11	22	8E	Burt	July	17	1946	3928
Logan Creek	Henningsen, Harvey C.	Allen	Pump	Irrig.		2	27	4E	Dixon	Sept.	7	1946	3954
Logan Creek	Nelson, L. R.	Fremont	Pump	Irrig.		10	20	8E	Dodge	Sept.	17	1946	3963
Maple Creek	Luther, Howard J.	Nickerson	Pump	Irrig.	2.72	10	18	8E	Dodge	Dec.	19	1934	2500

Maple Cr., East	Kovarik, Joseph F.	Howells	Pump	Irrig.	.36	10	19	4E	Colfax	Aug.	7	1939	2949
Maple Cr., East	Svoboda, Milo	Dodge	Pump	Irrig.	.96	15	19	4E	Colfax	Aug.	16	1939	2952
Maple Creek, Middle Fork	Janecek, James	Schuyler	Pump	Irrig.	.26	13	19	3E	Colfax	Jan.	18	1940	3077
Middle Creek	Malone, Robert	Lincoln	Ice Plant	Ice	10.00	30	10	6E	Lancaster	Dec.	26	1907	883
Middle Creek	Ivers, Claude B.	Lincoln	Pump	Irrig.	.26	28	10	6E	Lancaster	Jan.	7	1938	2823
Middle Creek	Lilly, Richard J.	Lincoln	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	Pump	Irrig.	.45	8	10	6E	Lancaster	Feb.	6	1929	2069
Oak Creek	Hanich, Edward	Lincoln	Pump	Irrig.	.15	8	10	6E	Lancaster	Nov.	21	1929	2115
Oak Creek	Clark, Arthur	Lincoln	Pump	Irrig.	.14	17	10	6E	Lancaster	Apr.	11	1930	2132
Oak Creek	Cheney, L. H.	McCook	Pump	Irrig.	.66	8	10	6E	Lancaster	Sept.	22	1931	2239
Oak Creek	Witmer, J. L.	Lincoln	Pump	Irrig.	.04	15	10	6E	Lancaster	Feb.	8	1933	2301
Oak Creek	Burcham, W. F.	Lincoln	Pump	Irrig.	1.73	20	11	6E	Lancaster	July	13	1934	2422
Oak Creek	Bennett, John R.	Lincoln	Pump	Irrig.	1.49	29	11	6E	Lancaster	Sept.	14	1936	2639
Pebble Creek	Dahl, Howard C.	Scribner	Pump	Irrig.	.46	6	19	7E	Dodge	July	17	1936	2589
Pebble Creek	Vakiner Brothers	West Point	Pumps	Irrig.	1.63	34	20	5E	Dodge	Sept.	9	1936	2637
Pebble Creek	Gordon, George S.	Scribner	Pump	Irrig.	.18	35	20	6E	Dodge	Dec.	8	1939	3039
Pebble Creek	Dahl, Howard C.	Scribner	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	Farmlee and Rawis	Plattsmouth	Plattsmouth Plant	Power	2000.00	32	13	13E	Cass	Sept.	4	1914	1379
Rawhide Creek	Cowles, S. C.	Waterloo	Pump	Irrig.	.46	17	16	10E	Douglas	Aug.	7	1936	2606
Rawhide Creek	Hollingsworth, R. E.	Omaha	Pump	Irrig.	.43	16	16	10E	Douglas	June	9	1937	2751
Rock Creek	Stark, Chris	Ceresco	Pump	Irrig.	1.08	31	13	7E	Saunders	Aug.	6	1931	2225
Rock Creek	Jeffrey, Louis	Waverly	Pump	Irrig.	.46	34	12	8E	Lancaster	May	12	1934	2382
Rock Creek	Armstrong and Landon	Greenwood	Pump	Irrig.	1.24	35	12	8E	Lancaster	Sept.	2	1939	2956
Rock Creek	Jeffrey, James and Louis	Waverly	Pump	Irrig.	.20	35	12	8E	Lancaster	Sept.	29	1939	2978
Rock Creek	Van Landingham, Claude	Lincoln	Pump	Irrig.	.50	25	13	6E	Saunders	Nov.	27	1939	3031

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

Source	Appropriator or Operator	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.
Ryans Creek	Elkhorn River Drainage District	Fremont	Cutoff "H" Ditch	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	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 Duck Pond	Resort		32	11	7E	Lancaster	July	29	1926	—	1837
Salt Creek	Splain, William F.	Lincoln	Pump	Irrig.	.11	25	9	6E	Lancaster	June	18	1934	—	2412
Salt Creek	Cropsey, Harry T.	Lincoln	Pump	Irrig.	.72	26	9	6E	Lancaster	Dec.	8	1939	—	3040
Salt Creek	Cropsey, Harry T.	Lincoln	Pump	Irrig.	.33	26	9	6E	Lancaster	May	24	1940	—	3164
Sand Creek	Hudec, Joe	Wahoo	Wanahoo Park Lake	Fish.	†12AF	3	14	7E	Saunders	July	25	1934	—	2442
Sand Creek	Dolezal, Edward	Wahoo	Dolezal Lake	Fish.	†2.25AF	22	15	7E	Saunders	Aug.	1	1934	—	2452
Scott Reservoir	Scott, R. D.	Lincoln	Pump	Irrig.		22	12	5E	Lancaster	Dec.	7	1936	—	2762
Silver Creek	Game, Forestation and Parks Commission	Lincoln	Armour & Co. Res.	Ice	10.00	7	13	9E	Saunders	Oct.	18	1897	—	415
Silver Creek	Hanke, Herman	Palmer	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	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	Pump	Irrig.	.65	25	22	2	Madison	Aug.	19	1936	—	2619
Taylor Creek	Robertson, J. D.	Madison	Pump	Irrig.	.75	30	22	1	Madison	Oct.	30	1939	—	3002
Taylor Creek	Leu, George	Madison	Pump	Irrig.	.26	25	22	2	Madison	Oct.	31	1940	—	3516
Taylor Creek	Leu, George	Madison	Pump	Irrig.	.39	26	22	2	Madison	Sept.	18	1943	—	3653

Union and Taylor Creeks	Brechler and Neeley	Madison	Union Valley Roller Mills	Power	32	22	1	Madison			998*			
Union Creek	Krueger, Helen R., Est.	Madison	Pump	Irrig.	.43	24	21	2	Madison	May	9	1934	2379	
Union Creek	Steckelberg, Carl Frederic	Lincoln	Pump	Irrig.	2.33	31	22	1E	Stanton	Aug.	13	1934	2461	
Union Creek	Omaha National Bank	Omaha	Pump	Irrig.	.85	31	23	2E	Stanton	May	22	1936	2580	
Union Creek	Christian Bros.	Madison	Pump	Irrig.	1.68	32	22	1	Madison	Nov.	4	1936	2652	
Union Creek	Mastny, Frank	Stanton	Pump	Irrig.	1.45	1	22	1E	Stanton	Nov.	9	1936	2656	
Union Creek	Jacobsen, Chas. H.	Madison	Pump	Irrig.	.43	13	21	2	Madison	Mar.	20	1937	2720	
Union Creek	Long, Fred and Sons	Madison	Pump	Irrig.	.72	29	22	1E	Stanton	July	15	1937	2761	
Union Creek	Luxa, Longin	Stanton	Pump	Irrig.	1.02	1	22	1E	Stanton	Aug.	29	1939	2954	
Union Creek	Price, Willet J.	Wisner	Pump	Irrig.	.33	21	22	1E	Stanton	Sept.	8	1939	2960	
Union Creek	Martin and Purdy	Madison	Pump	Irrig.	.43	1	21	1	Madison	Oct.	26	1939	2998	
Union Creek	Maurer, John F.	Madison	Pump	Irrig.	.39	35	21	2	Madison	Dec.	19	1939	3062	
Union Creek	Martin, J. E., et al	Madison	Pump	Irrig.	.07	1	21	1	Madison	May	2	1940	3146	
Wahoo Creek	Wahoo Hunting Club	Lincoln	Ayr Lake	Resort	†160A	F	28	13	9E	Saunders	Dec.	30	1930	2184
Wahoo Creek	Treptow, Herman	Ithaca	Pumps	Irrig.	1.43	20	14	8E	Saunders	July	25	1934	2444	
						29	14	8E	Saunders	July	25	1934	2444	
Wahoo Creek	Ludvik, Antonie	Wahoo	Pump	Irrig.	.96	29	14	8E	Saunders	Aug.	15	1934	2463	
Wahoo Creek	Lank, Joe L.	Wahoo	Pump	Irrig.	.64	8	14	7E	Saunders	May	6	1940	3150	
Walz Lake	Walz, Dorothy C.	Battle Creek	Pump	Irrig.	.17	22	24	3	Madison	Mar.	3	1937	2708	
Willow Creek	Hetrick, Geo. J.	Pierce	Pump	Irrig.	.06	26	26	4	Pierce	May	18	1937	2743	
Willow Creek	Synovec, Fred	Pierce	Pump	Irrig.	.64	32	26	3	Pierce	June	19	1939	2931	
Willow Creek	Askey, H. A.	Lincoln	Pump	Irrig.		21	26	4	Pierce	July	24	1942	3461*	
Willow Creek	Vinson, Alfred A.	Pierce	Vinson Reservoir	Storage		33	26	3	Pierce	Sept	19	1946	3964	
Willow Creek	Hetrick, George	Pierce	Hetrick Reservoir	Storage		26	26	4	Pierce	Sept.	21	1946	3965	
Willow Creek	Kruntorad, James	Pierce	Kruntorad Reservoir	Storage		3	25	3	Pierce	Sept.	23	1946	3968	
Zimmerer-Kuehn Lake	Zimmerer, Joe	Humphrey	Pump No. 2	Irrig.	.48	17	23	3E	Stanton	Jan.	16	1940	3076	

†Reservoir capacity alleged by applicant.

*Denotes application pending, or claim not adjudicated.

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

Source	Appropriator or Operator	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	
Anderson Res.	Anderson, Otto	Hay Springs	Anderson Canal	Stor.-only		2	29	47	Dawes	Oct.	16	1940	3396	
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	Pump	Irrig.	.12	30	33	41	Sheridan	May	22	1933	2322	
Antelope Creek	Green, M. E.	Gordon	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 Bros. Realty Co.	Lincoln	Woods Brothers Canal	Irrig.	11.78	29	34	35	Cherry	Sept.	21	1928	2035	
Bear Creek	Cole, D. Jason	Merriman	Cole Dams	Irrig.	8.19	13	34	37	Cherry	Feb.	24	1932	2254	
						14	34	37	Cherry	Feb.	24	1932	2254	
						7	34	36	Cherry	Feb.	24	1932	2254	
						8	34	36	Cherry	Feb.	24	1932	2254	
						10	34	36	Cherry	Feb.	24	1932	2254	
Bear Creek	Bates, Harold S.	Merriman	Bates Dams	Irrig.	6.50	8	34	37	Cherry	July	12	1932	2276	
						7	34	37	Cherry	July	12	1932	2276	
						12	34	38	Cherry	July	12	1932	2276	
Bear Creek	Bowring, Mrs. Arthur	Merriman	Bar 99 Ranch Canal	Irrig.	.43	15	34	37	Cherry	Aug.	31	1932	2282R	
Bear Creek	Bowring, Mrs. Arthur	Merriman	Bar 99 Ranch Canal	Irrig.	.37	16	34	37	Cherry	Aug.	31	1932	2282R	
Bear Creek	Bowring, Mrs. 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	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	—
Beeman Creek	Rickman, A. L.	Springview	Beeman Canal	Irrig.	.30	23	32	20	Cherry	July	25	1895	613	—
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
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.	Ravenscraft, Olin	Kennedy	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	Pump	Irrig.	1.15	14	30	22	Brown	Jan.	29	1942	—	3549
Box Butte Cr.	Sandoz, Wm.	Marsland	Billya Canal	Irrig.	.21	29	29	45	Sheridan	Jan.	13	1900	—	533
Brush Creek	Nebraska Townsite Co.	Perry	Brush Creek Plant	Power	15.00	28	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	Storage	†30AF	17	34	19	Keya Paha	Feb.	24	1941	—	3400
Burton Creek, Springs, Trib. to	Baker, Jno. D.	Burton	Pheasant Roost Lake	Fish	†12AF	5	34	19	Keya Paha	May	15	1940	—	3160
Canyon, Trib. to	Gilmore, Emery	So. Omaha	Gilmore Canal	Irrig.	14.29	36	30	54	Sioux	July	5	1907	—	863

Stor-only. Land does not have a direct flow appropriation.
 # Bear Creek in Keya Paha County is a different stream than Bear Creek in Cherry County.
 *R" Denotes relocation.
 * Denotes application pending.
 † Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Cedar Creek	McNamee, Leonard P.	Johnstown	Cedar Creek Canal	Irrig.	.43	4	30	24	Brown	Sept.	28	1910	—	1027
Coffee Lake, et al	Coffey Lake Drainage District	Valentine	Coffey Lake Ditch	Drain.		33	39	38	Cherry	Nov.	22	1923	—	1729
Coon Creek (See Laughing Water Cr.)	Leonard, J. R.	Bassett	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-Lichte 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.	Storage	†15AF	16	27	54	Sioux	Apr.	1	1936	—	2572
Coyote Springs Reservoir	Watson, Claude R.	Mitchell	Coyote Springs Canal	Stor-only		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	23	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

BUREAU OF IRRIGATION

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	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	—
Elk Creek	Lamb Brothers	Riverview	Lamb Canal	Irrig.	.01	6	31	19	Rock	Feb.	3	1934	—	2359
Elk Creek	Lamb Brothers	Riverview	Lamb Rower Plant	Power	3.00	6	31	19	Rock	Feb.	3	1934	—	2360
Elk Creek	Koenig, Joe	Riverview	Pine Grove Lake	Fish	†1AF	8	31	19	Rock	Apr.	30	1934	—	2375
Fairfield Creek	Kuhre, Wm. M.	Johnstown	Kuhre Plant	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 and Parks Commission	Lincoln	Hackberry Lake	Fish	†5000AF	7	30	29	Cherry	Oct.	18	1932	—	2289
Gordon Creek	Fawn Lake Ranch Co.	Rushville	Gordon Valley Res.	Storage	†95AF	3	28	39	Cherry	July	27	1940	—	3219
Gordon Creek	Young, Phylander H.	Simeon	Young Lake	Resort		24	32	29	Cherry	Sept.	9	1940	—	3258
Gordon Valley Reservoir	Fawn Lake Ranch Co.	Rushville	Gordon Valley Canal	Stor-only		3	28	39	Cherry	July	27	1940	—	3427
Hay Creek	Johnson, K. T., Estate	Cody	Johnson Canal	Irrig.	.50	19	35	31	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 and Phillips	Hay Springs	Barnes-Phillips Res.	Storage	†12AF	8	31	46	Sheridan	Apr.	15	1935	—	2539
Hay Springs Cr.	Game, Forestation and Parks Commission	Lincoln	Walgren Lake	Fish	†1280AF	29	31	45	Sheridan	May	20	1935	—	2549
Hay Springs Cr., North Branch	State Game and Parks Commission	Lincoln	Walgren Lake	Supple. S.	A-2549	19	31	45	Sheridan	Dec.	15	1939	—	3053

†Reservoir capacity alleged by applicant.

* Denotes application pending.

Stor-only. Land does not have a direct flow appropriation.

Supple. S.. Denotes additional storage water.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.		
						S	T	R	County	Mo.	D			Yr.	
Heckel Creek	Metzger, Paul	Merriman	Metzger Project No. 1	Irrig.	.71	26	35	38	Cherry	Mar.	21	1938	—	2351	
Heckel Creek	Metzger, Paul	Merriman	Metzger Project No. 2	Irrig.	.14	23	35	38	Cherry	Mar.	21	1938	—	2352	
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 Head Cr., Trib. to	Conger, C. K.	Norden	Conger Canal	Irrig.	.10	5	33	24	Keya Paha	Sept.	16	1895	—	153	
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 and Parks Commission	Lincoln	Shell Lake	Fish	†800	A	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 River	Yocum, J. C.	Butte	Yocum Canal	Irrig.	1.14	23	34	15	Boyd	Sept.	7	1894	573	—	
Keyapaha River	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	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 P. P. Dist.	Columbus	Long Pine Plant	Power	48.00	30	30	20	Brown	Apr.	2	1909	—	941
Long Pine Cr.	Ainsworth Outdoor Club	Ainsworth	Ainsworth Reservoir	Storage		19	29	20	Brown	Sept.	9	1946	—	3855
Long Pine Cr., Trib. to	Grant, C. G.	Long Pine	Grant Canal	Irrig.	.14	4	31	20	Rock	Jan.	1	1885	400	—
Louse Creek	Lansberry, Mrs. Frankie	Red Bird	Lansberry Canal	Irrig.	.50	12	32	10	Holt	Sept.	18	1930	—	2166
Middle Cr., E. B.	McGuire, M. W.	Norden	McGuire Canal	Irrig.	.71	32	33	23	Keya Paha	June	1	1884	606	—
Middle Cr., W. B.	Allen, M. M.	Norden	Allen Canal	Irrig.	.50	29	32	23	Keya Paha	June	1	1891	616	—
Middle Cr., W. B.	Allen, M. M.	Norden	Allen Canal	Irrig.	1.00	29	33	23	Keya Paha	May	2	1904	—	753
Mile Board Lake	Bd. of Co. Commissioners	Valentine	Mile Board Ditch	Drain.		5	34	35	Cherry	Sept.	17	1924	—	1750
Minnechaduz Cr.	Consumers P. P. Dist.	Columbus	Pierce Milling Plant	Power	35.00	30	34	27	Cherry	Sept.	12	1896	—	359
Minnechaduz Cr.	City of Valentine	Valentine	Valentine Plant	Power	40.00	29	34	27	Cherry	Apr.	16	1913	—	1279
Minnechaduz Cr.	Village of Crookston	Crookston	Community Lake	Resort	†27AF	7	34	29	Cherry	Dec.	13	1935	—	2568
Minnechaduz Cr.	Game, Forestation and Parks Commission	Lincoln	Valentine Lake	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	23	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	56	Sioux	May	31	1891	980	—
Niobrara River	Ellicott, Don H., et al.	Harrison	Bigelow-Seymour Canal	Irrig.	2.40	19	31	57	Sioux	June	8	1891	510	—

†Reservoir capacity alleged by applicant.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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	Skavdahl, Oscar, et al.	Harrison	Harris-Neece Canal	Irrig.	8.57	8	28	55	Sioux	July	11892	517	
Niobrara River	Furman, H. G., Jr.	Marsland	Pioneer Canal	Power.	10.00	31	29	50	Dawes	Aug.	1893	442b	
Niobrara River	Roll Mill Company	Marsland	Roll Mill	Power.	35.00	5	28	51	Box Butte	Sept.	101893	970	
Niobrara River	Green, Frank J., Est.	Boulder, Colo.	Meridian Canal	Irrig.	.57	25	29	50	Dawes	Jan.	101894	459	
Niobrara River	Taylor, Geo. L., Est.	Nonpariel	Enterprise Canal	Irrig.	5.71	27	29	50	Dawes	Jan.	271894	461	
Niobrara River	Furman, Anson L. and Willis B.	Marsland	Furman Canal	Irrig.	3.64	29	29	50	Dawes	Feb.	21894	462	
Niobrara River	Hughes, John	Marsland	Hughes Canal	Irrig.	.30	1	28	52	Box Butte	Apr.	151894	937b	
Niobrara River	Warneke, Henry	Harrison	Johnson Canal	Irrig.	2.09	35	31	57	Sioux	May	11894	511	
Niobrara River	McMannis, J. T., et al	Hemingford	McMannis-Neeland Canal	Irrig.	.86	29	29	49	Dawes	June	151894	463	
Niobrara River	McCully, S. J.	Carnes	McCully Canal	Irrig.	8.57	25	32	20	Keya Paha	Aug.	71894	583	
Niobrara River	Fienken, Chas.	Dustin	Fienken Canal	Irrig.	1.00	12	33	16	Boyd	Oct.	11894	575	
Niobrara River	Wilson, J. A.	Springview	Wilson Canal	Irrig.	5.71	18	32	21	Keya Paha	Oct.	181894	591	
Niobrara River	Iodence, W. M.	Hemingford	Lichte Canal	Irrig.	1.43	27	29	48	Dawes	Jan.	241895	479	
Niobrara River	Warneke, Hannah	Omaha	Warneke Canal	Irrig.	1.57	27	31	57	Sioux	Feb.	131895	505	
Niobrara River	Cook, J. H.	Agate	McGinley-Stover Upper Canal	Irrig.	2.86	23	29	56	Sioux	Feb.	251895	521	
Niobrara River	Harris, Frank	Marsland	LaBelle Canal	Irrig.	2.00	6	28	54	Sioux	Mar.	121895	518	
Niobrara River	Furman, H. G.	Marsland	Snow Canal	Irrig.	2.86	35	29	51	Dawes	Mar.	261895	485	
Niobrara River	Hughes, John	Marsland	Excelsior Canal	Irrig.	2.86	10	28	52	Box Butte	May	151895	568	
Niobrara River	Mann, John E.	Harrison	Bourett Canal	Irrig.	2.00	33	30	56	Sioux	June	81895		4
Niobrara River	Bourett, John S.	Harrison	Bourett South Canal	Irrig.	1.16	29	30	56	Sioux	June	101895		5
Niobrara River	Harris, Frank	Marsland	LaBelle Canal	Irrig.	3.14	6	28	54	Sioux	July	31895		60
Niobrara River	Todd, Claude E.	Marsland	Moore Canal	Irrig.	5.71	9	28	53	Sioux	July	221895		88
Niobrara River	Hunter, Jas. A.	Alliance	Meridian Canal	Irrig.	5.14	25	29	50	Dawes	Aug.	141895		469
Niobrara River	Sandoz, George	Gordon	Mettlen Canal	Irrig.	4.90	4	28	54	Sioux	Apr.	271896		292
Niobrara River	Neeland, Sarah J.	Hemingford	McMannis-Neeland Canal	Irrig.	1.07	29	29	49	Dawes	Apr.	91896		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, James H.	Hemingford	Montague Canal	Irrig.	.43	27 29	48	Dawes	Sept.	27 1900	575
Niobrara River	Montague, 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 P. P. Dist.	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, Ia.	Nebr. Pwr. Co. Plant	Power	900.00	34 32	7	Knox	Sept.	24 1909	961
Niobrara River	Kirk, E. L.	Sioux City, Ia.	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	Irrig.	.75	33 30	56	Sioux	Jan.	23 1911	1067
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	Sparks, Henrietta	Lincoln	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	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., et al.	Marsland	Mettlen Canal	Irrig.	.75	4 28	54	Sioux	Dec.	18 1912	1248
Niobrara River	Davison, F. B., et al.	Marsland	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 (See A-3574)	Consumers P. P. Dist.	Columbus	Northern Nebr. Plant No. 1	Power	1450.00	30 33	11	Boyd-Holt	Oct.	30 1923	1725
Niobrara River	Consumers P. P. Dist.	Columbus	Northern Nebr. Plant No. 1	Rs. Dam	A-1725	30 33	11	Boyd-Holt	Aug.	20 1925	1777
Niobrara River	Consumers P. P. Dist.	Columbus	Northern Nebr. 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	2158*
Niobrara River	Sandoz, Geo. E.	Gordon	Mettlen Canal	Irrig.	1.14	4 28	54	Sioux	Oct.	13 1931	2244

* Denotes application pending.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in	Location of			Date of		Doc. No.	App. No.	
						Diversion or Dam			Priority				
						Sec.-ft.	S	T	R	County			Mo.	D	Yr.
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	Irrig.	1.92	10	28	52	Box Butte	Mar.	28	1932	2264
Niobrara River	Montague, Elizabeth and Michael P.	Hemingford	Montague Canal	Irrig.	1.76	28	29	48	Dawes	Mar.	31	1932	2266
Niobrara River	Harris, Frank, et al	Marsland	Harris-Neece Canal	Irrig.	7.27	3	28	55	Sioux	July	11	1932	2275
Niobrara River	Nellis, Claud	Monowi	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	Irrig.	2.95	27	29	48	Dawes	Mar.	2	1935	2523
Niobrara River	Johndreau, J. N.	Gordon	Pumps	Irrig.	.96	24	31	42	Sheridan	Aug.	9	1935	2555
Niobrara River	Potmesil, John	Hemingford	Potmesil Canal	Irrig.	6.76	26	29	48	Dawes	Oct.	29	1935	2566
Niobrara River	Woodhouse, Earl	Gordon	Pump	Irrig.	.34	17	31	41	Sheridan	Apr.	25	1936	2623
Niobrara River	Kuchera, Harry J.	Rushville	Pump	Irrig.	.90	32	30	44	Sheridan	Nov.	6	1936	2654
Niobrara River	U. S. of America	Denver, Colo.	Mirage Flats Canal	Irrig.	158.38	26	29	48	Dawes	Jan.	25	1937	2683
Niobrara River (See A-3456)	United States of America	Denver, Colo.	Box Butte Reservoir	Storage	†15,000AF	28	29	49	Dawes	Mar.	6	1937	2709a
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	Lichte Canal	Irrig.	1.46	27	29	48	Dawes	Feb.	11	1938	2837
Niobrara River	Iodence, Chas. G.	Hemingford	Pump	Irrig.	1.64	26	29	48	Dawes	Feb.	11	1938	2838
Niobrara River	Liska, Vac C.	Niobrara	Pump	Irrig.	.35	17	32	6	Knox	June	19	1939	2930
Niobrara River	Dalton, Charles S., et al	Niobrara	Pump	Irrig.	15.47	2	31	7	Knox	Sept.	21	1939	2968
Niobrara River	Bauder, G. E.	Lewiston, Idaho	Pump	Irrig.	1.54	29	33	37	Cherry	Feb.	27	1941	3404
Niobrara River	Hrbek, Fred	Monowi	Pump	Irrig.	.03	2	32	9	Boyd	June	12	1941	3449
Niobrara River (See A-2709a)	U. S. of America	Denver, Colo.	Box Butte Reservoir	Storage	†32,670AF	28	29	49	Dawes	June	24	1941	3456
						33	29	49	Dawes	June	24	1941	3456

Niobrara River. (See A-1725)	Consumers P. P. Dist.	Columbus	Northern Nebr. Plant No. 1	Power	550.00	30	33	11	Boyd-Holt	June	8	1942	—	3574
Niobrara River	Iodence, Chas. G.	Hemingford	Lichte Canal	Irrig.	.66	27	29	48	Dawes	Dec.	28	1942	—	3592
Niobrara River	U. S. of America	Denver, Colo.	Mirage Flats Canal	Irrig.	40.46	26	29	48	Sheridan	May	18	1944	—	3729
Niobrara River	Furman, H. G.	Marsland	Pioneer Canal No. 2	Irrig.	.78	36	29	51	Dawes	Mar.	8	1945	—	3812
Niobrara River	Montague and Sparks	Hemingford	Montague Canal	Irrig.		27	29	48	Dawes	July	11	1946	—	3923
Niobrara River, Ravine, Trib. to	Anderson, Otto	Hay Springs	Anderson Reservoir	Storage	†20AF	2	29	47	Dawes	Oct.	16	1940	—	3297
Niobrara River, Ravine, Trib. to	Wilson, John L.	Harrison	Wilson Reservoir	Storage	†7AF	27	33	57	Sioux	Nov.	26	1940	—	3337
Pine Creek	Colclessner, 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	406	—
Plum Creek	Wilbert, R.	Ainsworth	Wilbert Canal	Irrig.	.43	35	32	23	Brown	May	5	1896	—	329
Plum Creek	Consumers P. P. Dist.	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
Rsd Bird Creek	Mellor, G. W.	Red Bird	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 Cr.	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	Pump	Irrig.	.57	6	32	9	Holt	Dec.	15	1934	—	2469
Shobe Branch	Lamb, A. J.	Spencer	Lamb Canal	Irrig.	.14	30	33	11	Holt	July	6	1896	—	322

†Reservoir capacity alleged by applicant.

‡Rock Creek in Keya Paha County and Rock Creek in Rock County are separate streams.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
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	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
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	Irrig.	.23	1	32	11	Holt	Apr.	9	1935	—	2535
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	Densberger, Warren A.	Norden	Logan Canal	Irrig.	.03	23	33	23	Keya Paha	Aug.	7	1934	—	2457
Turkey Creek	Bates, Harry M.	Meadville	Pump	Irrig.	.07	36	33	23	Keya Paha	Oct.	29	1934	—	2489
Turkey Creek, Trib. to	O. H. Johnson and Co.	Norfolk	Pump	Irrig.	.01	23	33	23	Keya Paha	Apr.	23	1935	—	2541
Verdigre Creek	Hanson, J. W.	Emmettburg, Iowa	Drayton Canal	Irrig.	2.86	8	28	8	Antelope	Aug.	11	1894	248	—
Verdigre Creek	Nelson, Lyle	Verdigre	Pump	Irrig.		32	31	6	Knox	Aug.	22	1946	—	3947

Verdigre Creek, Ravine, Trib. to	Creighton Rod and Gun Club	Creighton	Rod and Gun Club Reservoir	Storage	1	28	7	Antelope	July	12	1946	—	3926*	
Verdigre Creek, Springs, Trib. to	Backers, Lydia O.	North Platte	Backers Canal	Irrig.	5.94	15	29	9	Holt	June	15	1942	—	3577
Whistle Creek	Davison, Ella	Marsland	Whistle Creek Canal	Irrig.	1.00	12	28	54	Sioux	June	28	1895	—	58
Whistle Creek	Harris, Frank	Marsland	Home Canal	Irrig.	.86	13	28	54	Sioux	July	3	1895	—	65
Wilson Res.	Wilson, John L., et al	Harrison	Wilson Canal	Stor-only		27	33	57	Sioux	Nov.	26	1940	—	3490
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

†Reservoir capacity alleged by applicant.

Spring Creek in each county is a different stream.

* Denotes application pending.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION NO 2-D

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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, Gregory R.	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, Gregory R.	Whitney	Cripps Reservoir	Storage	†90AF	12	32	51	Dawes	Sept.	23	1934	2431
Ash Creek	Cartwright, Cora H. C., Estate	Whitney	Pump	Irrig.	.07	7	32	50	Dawes	Mar.	13	1940	3117
Ash Cr., East	Tomlin, H. B., Estate	Crawford	Ox Yoke (Tomlin) Canal	Irrig.	1.33	29	32	50	Dawes	May	31	1880	447R
Ash Cr., East	Ivins, Myrtle L. and Hamm, Royce	Crawford	Stumph Canal	Irrig.	1.00	32	32	50	Dawes	May	31	1880	447R
Ash Cr., East	Sprague, Lewis Edgar, et al, and Hamm, Royce	Chadron	Barron Canal	Irrig.	1.14	32	32	50	Dawes	July	1	1888	433
Ash Cr., East	Hamm, Royce	Whitney	Stumph Canal	Irrig.	.20	31	32	50	Dawes	Sept.	5	1892	1023 1/2
Ash Cr., East	Hamm, Royce	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, Jr.	Whitney	Todd Canal	Irrig.	.38	5	31	50	Dawes	Sept.	12	1899	520
Ash Cr., East (See Indian Cr.)	Norman, Harry	Whitney	Noman-Barron Res.	Storage	†776AF	32	32	50	Dawes	Aug.	22	1927	1953
Ash Cr., East	Sprague, Lewis Edgar, et al	Chadron	Barron Canal	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 Plant	Power	3.00	8	31	50	Dawes	May	20	1930	2140
Ash Cr., East	Hamm, Royce	Whitney	Ox Yoke-Stumph Canal	Irrig.		31	32	50	Dawes	June	6	1931	2205*
Ash Cr., West	Vetter, Jos. and Leo	Crawford	Mace Canal	Irrig.	1.00	2	31	51	Dawes	July	31	1884	423
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 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	3363

Beaver Creek	Pegues, Mrs. Gladys and Henry, Doris	Chadron	Lockler Canal	Irrig.	1.83	34	35	47	Dawes	Sept.	15	1892	1017	—
Beaver Creek	Pegues, Mrs. Gladys and Henry, Doris	Chadron	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 & Cattle Co.	Chadron	Cilek Canal	Irrig.	.36	4	32	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	Pegues, Mrs. Gladys and Henry, Doris	Chadron	Braddock Canal	Irrig.	.39	18	34	46	Sheridan	Sept.	19	1928	—	2033
Beaver Creek	Pegues, Mrs. Gladys and Henry, Doris	Chadron	Lockler Canal	Irrig.	.49	34	35	47	Dawes	Sept.	19	1928	—	2034
Beaver Creek	Tulloss, Frank L.	Hay Springs	Tulloss Lake	Fish	†4AF	3	22	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	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	Bass, Verner	Chadron	Pump	Irrig.	.10	14	33	48	Dawes	July	24	1930	—	2151
Bordeaux, Big	Nelson, Oluffine N., et al	Chadron	Pump No. 1	Irrig.	.14	14	33	48	Dawes	Aug.	11	1932	—	2279
Bordeaux, Big	Bass, Verner	Chadron	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	Pump	Irrig.	.21	16	34	48	Dawes	Nov.	16	1937	—	2801
Bordeaux, Big	Nelson, Ernest E.	Chadron	Pump	Irrig.	1.06	14	33	48	Dawes	May	25	1942	—	3570
Bordeaux, Big	Gernhart, C. H.	Chadron	Pumps	Irrig.		14	33	48	Dawes	Dec.	6	1945	—	3861
Bordeaux, Big	Bass, Verner	Chadron	Bass Nursery Canal	Irrig.		23	33	48	Dawes	Apr.	11	1946	—	3891
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 Works	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	—

†Reservoir capacity alleged by applicant.

"R" Denotes relocation.

*Denotes application pending, or claim not adjudicated.

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

Source	Appropriator or Operator	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.
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	State Park Lake	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	Storage	†17AF	31	34	52	Dawes	Dec.	8	1941	—	3537
Cottonwood, Big Ravine, Trib. to	Moody, Tom	Crawford	North Draw Reservoir	Storage	†34AF	32	34	52	Dawes	Dec.	8	1941	—	3538
Cottonwood, Big Ravine, Trib. to	Norman, Ben	Crawford	Norman Reservoir	Storage	†150AF	35	34	53	Sioux	July	6	1942	—	3580
						2	33	53						
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 Bros. 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 Bros. South Canal	Irrig.	1.43	18	32	52	Dawes	June	10	1895	—	8R
Cottonwood, Lit.	Dahlheimer, Frank E.	Crawford	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 and McDowell	Crawford	Dodd-McDowell Res.	Storage	†190AF	13	32	53	Sioux	Apr.	15	1913	—	1276
Cottonwood, Lit.	Simons, Raner	Crawford	Simons Canal	Irrig.	.77	9	32	51	Dawes	Feb.	12	1934	—	2363
Cottonwood, Lit. (See White R.)	Whitney Irrig. Dist.	Crawford	Simmons Supply Canal	Supple. S. A-1603	†350AF	7	32	51	Dawes	Aug.	11	1936	—	2607
Cottonwood, Lit.	Whitney Irrig. Dist.	Crawford	Blust Supply Canal	Supple. S. A-1603	†2000AF	7	32	51	Dawes	Aug.	11	1936	—	2607
Cripps Res.	Cripps, Gregory R.	Whitney	Pump	Stor-only		12	32	51	Dawes	Sept.	28	1934	—	2571

Cuff Canyon	Sanders, Warren	Chadron	Sanders Canal	Irrig.	.07	5	31	49	Dawes	Nov.	2	1932	2290
Dead Horse Cr.	Schumacher, Edw. A.	Chadron	Kemery Canal	Irrig.	.01	5	31	49	Dawes	Sept.	1	1880	493
Dead Horse Cr.	Woodruff, F. B., et al	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, Mrs. C. M., et al	Chadron	Slattery Canal	Irrig.	.99	32	33	49	Dawes	Apr.	6	1904	749
Dead Horse Cr.	White, Mrs. C. M., et al	Chadron	Slattery Canal	Irrig.	.95	30	33	49	Dawes	Apr.	6	1904	749R
Dead Horse Cr.	White, Mrs. C. M.	Chadron	Slattery Canal	Irrig.	.55	32	33	49	Dawes	June	15	1928	2021
Dead Horse Cr., Spgs., Trib. 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	Dalton, Archie	Glen	Deep Creek Canal	Irrig.	.06	9	30	53	Sioux	May	1	1887	525
Deep Creek	Dalton, Archie	Glen	Holberg Lake	Storage	†1.50AF	4	30	53	Sioux	July	19	1933	2334
Deep Creek	Dalton, Archie	Glen	Deep Creek Canal	Irrig.	.22	9	30	53	Sioux	July	19	1933	2335
Dodd-McDowell Reservoir	Dodd, Mrs. Calvin H.	Crawford	Dodd-McDowell Canal	Stor-only		17	32	52	Dawes	Apr.	15	1913	1571
Dry Canyon	Betson, Wm. A.	Crawford	Betson Canal	Irrig.	1.00	33	32	51	Dawes	Mar.	22	1917	1481
Dry Creek (See White R.)	Whitney Irrig. Dist.	Crawford	Pilister Reservoir	Supple. S. A-1603	†360AF	15	33	51	Dawes	Aug.	11	1936	2608
Dry Creek	Whitney Irrig. Dist.	Crawford	Stewart Reservoir	Supple. S. A-1603	†700AF	15	33	51	Dawes	Aug.	11	1936	2608
Dry Creek	Whitney Irrig. Dist.	Crawford	Balwin Reservoir	Supple. S. A-1603	†340AF	15	33	51	Dawes	Aug.	11	1936	2608
Dry Draw	Ernest, Geo. A.	Chadron	Ernest Canal	Irrig.	3.71	22	35	49	Dawes	Feb.	20	1911	1061
Dry Draw	Heath, Mrs. W. E.	Crawford	Heath Reservoir	Storage	†200AF	12	32	53	Sioux	Feb.	7	1917	1475

†Reservoir capacity alleged by applicant.
 "R" Denotes relocation.
 *Denotes claim not adjudicated.
 Supple. S. Denotes additional storage water.
 Stor-only. Land does not have a direct flow appropriation.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.		
						S	T	R	County	Mo.			D	Yr.
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, Robt. H.	Crawford	McDowell System	Irrig.	.87	12	31	52	Dawes	Oct.	24	1904	—	772
English Creek	McDowell, Mrs. Effie	Crawford	McDowell Lake No. 3	Fish.	†5AF	2	31	52	Dawes	Jan.	22	1929	—	2064
English Creek	McDowell, Mrs. Effie	Crawford	McDowell Lake No. 1	Fish.	†36AF	12	31	52	Dawes	Jan.	22	1929	—	2064
Flood Waters	Lenehan, Delia	Crawford	Lenehan Reservoir	Storage	†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
Harris Res.	Dodd, Clara A.	Crawford	Harris Canal	Stor.-only		32	33	52	Dawes	Sept.	29	1922	—	1996
Hawk Nest Res.	Moody, Tom	Crawford	Moody Canal No. 1	Supple. I.	A-3536	32	34	52	Dawes	Dec.	8	1941	—	3818
Heath Res.	Heath, Mrs. W. E.	Crawford	Heath Canal	Stor.-only		12	32	53	Sioux	Feb.	7	1917	—	1612
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 Reservoir	Storage	1.21	31	32	51	Dawes	Nov.	17	1906	—	803
Hooker Creek	Scott and Steenburg	Aurora	Alcorn Canal	Irrig.		31	32	51	Dawes	Nov.	17	1906	—	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	Seegrst Canal	Irrig.	.03	3	31	50	Dawes	Nov.	1	1893	489	—
Indian Creek	Renfro, Oscar S.	Chadron	Seegrst Canal	Irrig.	.86	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	Storage	†60AF	2	31	50	Dawes	June	21	1926	—	1822
Indian Creek	Norman, Elmer D.	Whitney	Norman Canal	Irrig.	1.28	16	32	50	Dawes	Aug.	18	1927	—	1952

Indian Creek (See E. Ash Cr.)	Norman, Harry	Whitney	Norman Canal	Storage	.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, Trib. 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
Minneapolis Cr.	Smoke, Wm. H.	Chadron	Minneapolis Res.	Irrig.	.14	19	33	48	Dawes	July	21	1930	2149
Norman Res.	Norman, Harry	Whitney	Harry Canal	Stor-only		8	32	50	Dawes	Aug.	22	1927	2179
North Draw Res.	Moody, Tom	Crawford	Moody Canal No. 2	Stor-only		33	34	52	Dawes	Dec.	8	1941	3819
Patton Creek	Greenwood, Claude H.	White Clay	Pump	Irrig.	1.07	32	35	44	Sheridan	Mar.	14	1938	2845
Pinney-Denslow Res.	Pinney, Ralph B.	Crawford	Pinney Canal No. 2	Stor-only		17	32	51	Dawes	Aug.	10	1911	2493
Renfro Res.	Renfro, Oscar	Chadron	Seegrism Canal	Stor-only		3	31	50	Dawes	June	21	1926	1823
Rush Creek	Braddock, H. T.	Chadron	Braddock Canal	Irrig.	3.00	10	34	49	Dawes	May	4	1903	706
Sand Creek	Everson and Arner	Crawford	Bendix Canal	Irrig.	.57	35	33	53	Sioux	Nov.	19	1895	189
Sand Creek	Everson and Arner	Crawford	Bendix Canal	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

†Reservoir capacity alleged by applicant.

Supple. I. Denotes storage water in addition to direct flow.

Stor-only. Land does not have a direct flow appropriation.

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

Source	Appropriator or Operator	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.
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	Storage	†7AF	32	33	52	Dawes	Sept.	29	1922	—	1689
Sheridan Creek	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	—
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	Galbreath, Alfred Lee and Albert Earl	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 Cr. 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	Lawrence, Fay E.	Crawford	Spring Cr. Canal No. 1	Irrig.	2.29	13	32	52	Dawes	Apr.	29	1905	—	788
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, Robt. H.	Crawford	Squaw Creek Reservoir	Storage	†200AF	12	31	52	Dawes	Oct.	3	1911	—	1132
Squaw Creek	McDowell, Robt. H.	Crawford	McDowell Lake No. 4	Fish	†4AF	12	31	52	Dawes	Nov.	12	1931	—	2249
Squaw Cr. Res.	McDowell, Robt. H.	Crawford	Squaw Creek Canal	Stor-only		12	31	52	Dawes	Oct.	3	1911	—	1631

BUREAU OF IRRIGATION

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.	Tandy, A. N.	Crawford	McFarland Canal	Irrig.	1.64	35	32	52	Dawes	May	18	1891	960	—
White Clay Cr. (See White R.)	White River Irrig. Co.	Crawford	White River Canal	Irrig.	1.00	34	32	52	Dawes	Dec.	31	1894	477	—
White Clay Cr.	Pine Ridge Indian Agency	Pine Ridge, S. D.	Pine Ridge Canal	Irrig.			35	45	Sheridan				419*	—
White Clay Cr.	Hall, LeRóy & Frank	Crawford	Cooper Canal	Irrig.	3.66	2	31	52	Dawes	June	22	1895	—	42
White Clay Cr.	McDowell, Robt.	Crawford	Cooper Canal	Irrig.	.06	2	31	52	Dawes	June	22	1895	—	42R
White Clay Cr.	Raben, Lorentz 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.	Townsend, Chas.	White Clay	Townsend Canal	Irrig.	.30	25	35	45	Sheridan	Jan.	21	1911	—	1054
White Clay Cr.	Raben, Lorentz F.	Crawford	Handschugel Lake	Storage	†150AF	11	31	52	Dawes	Dec.	17	1915	—	1441
White Clay Cr.	McDowell, Mrs. Effie	Crawford	Cooper Canal	Fish	†30AF	2	31	52	Dawes	Jan.	22	1929	—	2063
White Clay Cr.	North, A. C.	Rushville	Pump	Irrig.	.38	36	35	45	Sheridan	Mar.	26	1934	—	2369
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	61	Dawes	June	20	1894	467	—
White River (See White Clay)	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.	11.10	34	32	52	Dawes	Jan.	10	1895	478c	—
White River	C. B. & Q. R. R. Co.	Lincoln	Crawford Pipe Line	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, Est.	Crawford	Rasher Canal	Irrig.	.50	19	32	51	Dawes	May	23	1898	—	456

†Reservoir capacity alleged by applicant.

"O. D." Denotes optional diversion.

*Denotes claim not adjudicated.

Stor.-only. Land does not have a direct flow appropriation.

"R" Denotes relocation.

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

Source	Appropriator or Operator	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.
White River	Wohlers, M. H.	Crawford	Rasher Canal	Irrig.	1.43	19	32	51	Dawes	Jan.	16	1900	—	534
White River	Schwabe, August	Chadron	Schwabe 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 R. Canal S. B.	Irrig.	1.43	25	32	52	Dawes	Mar.	11	1909	—	936
White River	Pinney and Denslow	Crawford	Harris-Cooper Canal	Storage	150AF	26	32	52	Dawes	Aug.	10	1911	—	1122
White River	Wohlers, M. H.	Crawford	Rasher-Forbes Canal	Irrig.	.50	19	32	51	Dawes	Sept.	26	1911	—	1128
White River	Whitney Irrig. Dist.	Whitney	Whitney Canal	Storage	10,000AF	26	32	52	Dawes	Apr.	28	1921	—	1603
White River	Norman, Wm.	Whitney	Whitney Pipe Line	Irrig.	3.60	24	32	52	Dawes	May	2	1921	—	1604
White River	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	1923	—	2046
White River	City of Crawford	Crawford	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	—	2235
White River	Mobley, A. L.	Crawford	Pump	Irrig.	.05	3	31	52	Dawes	May	10	1934	—	2331
White River (See Dry Cr.)	Whitney Irrig. Dist.	Crawford	Stewart-Balwin Res.	Supple. S.	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	Pump	Irrig.	1.31	26	34	49	Dawes	Nov.	24	1939	—	3030
White River	Neill, B. E.	Chadron	Pump	Irrig.	.64	30	33	49	Dawes	Dec.	7	1939	—	3038
White River	Schumacher, T. A.	Chadron	Schumacher Cistern	Dom.	1.16AF	19	33	49	Dawes	Apr.	2	1940	—	3129
White River, Ravine, Trib. to	Wright, Floyd	Whitney	Wright Reservoir	Storage		10	32	51	Dawes	Apr.	8	1946	—	3839
Whitney Res.	Whitney Irrig. Dist.	Whitney	Whitney Pipe Line	Supple. I.	A-1625	4	32	51	Dawes	Apr.	28	1921	—	1787
						34	33	51	Dawes	Apr.	28	1921	—	1787
						35	33	51	Dawes	Apr.	28	1921	—	1787

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Andrews Res.	Andrews, Agnes	Harrison	Andrews Canal	Stor-only		5	32	55	Sioux	Mar.	26	1935		2558
Antelope Creek	Jordan, Allen	Montrose	Jordan Reservoir	Storage	†776AF	9	34	55	Sioux	Aug.	23	1940		3239
Antelope Creek, Ravine, Trib. to	Jordan, Allen	Montrose	Lower Jordan Reservoir	Storage	†137AF	16	34	55	Sioux	Feb.	23	1941		3405
Antelope, North	Story, Amy E., et al	Harrison	Story Canal	Irrig.	2.00	8	34	56	Sioux	Nov.	11	1895		168
Antelope, North	Story, Amy E., et al	Harrison	Story Canal	Irrig.	5.71	9	34	56	Sioux	Mar.	26	1918		1509
Antelope, South	Schnurr, Wm. E. and Clarence A.	Harrison	Turner Canal	Irrig.	1.14	26	34	57	Sioux	Oct.	31	1894	537	
Antelope, South	Seaman, Samuel R.	Harrison	Ellis Canal	Irrig.	.29	9	33	57	Sioux	May	17	1896		328
Antelope, South	Schnurr, Wm. E. and Clarence A.	Harrison	Turner Reservoir	Storage	†250AF	26	34	57	Sioux	July	3	1922		1675
Antelope, South, Ravine, Trib. to	Schnurr, Wm. E. and C. A.	Harrison	Schnurr Reservoir No. 2	Storage	†122.5AF	23	34	57	Sioux	Oct.	10	1944		3775
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 Cattle Co.	Harrison	Wickersham Canal	Irrig.	3.00	31	33	54	Sioux	Feb.	28	1903		701
Boggy Creek	Wickersham Cattle Co.	Harrison	Wickersham Reservoir	Storage	†250AF	31	33	54	Sioux	Dec.	24	1930		2182
Boggy Creek	Wickersham Cattle Co.	Harrison	Wickersham Canal	Irrig.	.96	31	33	54	Sioux	May	15	1931		2204
Boggy Cr., Mid.	Bannon, J. F.	Harrison	Bannon Canal	Irrig.	.06	7	32	54	Sioux	July	1	1886	560	
Boggy Cr., Mid.	Marten, Wm.	Harrison	Marten Canal	Irrig.	.36	18	32	54	Sioux	May	19	1896		342
Boggy Cr., West	Serres, Andrew P.	Harrison	Hill Canal	Irrig.	.86	11	32	55	Sioux	Jan.	20	1908		886

†Reservoir capacity alleged by applicant.

Supple. I. Denotes storage water in addition to direct flow.

Supple. S. Denotes additional storage water.

Stor-only. Land does not have a direct flow appropriation.

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

Source	Appropriator or Operator	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.	
Caladonia Res.	Mackey, Andrew R.	Boulder, Colo.	Caladonia Canal	Stor-only		13	33	57	Sioux	July	20	1922	—	1681	
Caladonia Res.	Mackey, Andrew R.	Boulder, Colo.	Caladonia Canal	Stor-only		13	33	57	Sioux	July	20	1922	—	1683	
Caladonia Res.	Mackey, Andrew R.	Boulder, Colo.	Caladonia Canal	Supple. I.	D-543	13	33	57	Sioux	July	20	1922	—	1683	
Canyons	Konrath, James	Harrison	Konrath Canal	Irrig.	1.43	17	34	54	Sioux	Dec.	28	1905	—	808	
Cedar Creek	Parsons, Con	Harrison	Schilt Cedar Cr. Canal	Irrig.	.57	35	33	56	Sioux	May	15	1885	507	—	
Cedar Creek	Grote, Wm.	Harrison	Valdez Canal	Irrig.	.50	10	32	56	Sioux	Apr.	5	1886	978	—	
Cedar Creek	Grote, Wm.	Harrison	Grote Reservoir	Storage	†19A	F	3	32	56	Sioux	June	4	1940	—	3172
Cherry Creek	Ruffing, M.	Harrison	Cherry Creek Canal	Irrig.	.03	29	33	54	Sioux	May	1	1893	549	—	
Cherry Creek	Merlo, Irene Serres	Santa Barbara	Merlo Reservoir	Storage		29	33	54	Sioux	May	21	1946	—	3309	
Crystal Lake Res.	Hall, F. M.	Harrison	Crystal Lake Canal	Stor-only		6	32	55	Sioux	Aug.	22	1927	—	2286	
Dout Res. 1	Dout, Clarence	Harrison	Dout Canal No. 1	Stor-only		7	33	56	Sioux	Apr.	2	1928	—	2000	
Dout Res. 2	Dout, Clarence	Harrison	Dout Canal No. 2	Stor-only		7	33	56	Sioux	Apr.	2	1928	—	2002	
Dry Gulch	Child, L. M.	Harrison	Child Canal	Irrig.	.57	28	34	56	Sioux	Aug.	14	1914	—	1376	
Eberspacher Res.	Eberspacher, Frank	Harrison	Eberspacher Canal	Stor-only		28	33	54	Sioux	Sept.	10	1945	—	3896	
Geike Creek	Geike, Henry	Harrison	Geike Canal	Irrig.	.43	19	33	56	Sioux	Nov.	4	1927	—	1967	
Geiser Res.	Geiser, John	Ardmore, S. D.	Geiser Canal	Stor-only		34	35	54	Sioux	Oct.	4	1940	—	3439	
Grote Res.	Grote, William	Harrison	Grote Canal	Stor-only			3	32	56	Sioux	June	4	1940	—	3450
Grote Res.	Grote, Wm.	Harrison	Grote Canal	Supple. I.	D-976		3	32	56	Sioux	June	4	1940	—	3451
Haas Res.	Haas, Dominic	Harrison	Haas Canal	Stor-only		6	32	54	Sioux	Oct.	20	1944	—	3351	

Hat Creek	Thayer, Chas. L.	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, Chas. L.	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 Flood Canal	Irrig.	6.00	14	33	55	Sioux	Oct.	22	1912	—	1236
Hat Creek	Zerbe, Harry T.	Harrison	Zerbe Reservoir	Storage	†25AF	35	33	55	Sioux	Mar.	25	1915	—	1407
Hat Creek	Wasserburger, Harry and Martin	Montrose	Pump	Irrig.	.66	24	34	55	Sioux	Oct.	11	1940	—	3291
Hat Creek	Semroska, R. E.	Montrose	Semroska Canal	Irrig.		5	34	54	Sioux	July	2	1946	—	3922
Hat Creek, Ravine, Trib. to	Wasserburger, Jacob	Montrose	Wasserburger Res.	Storage	†45AF	29	34	54	Sioux	May	6	1940	—	3149
Hat Creek, Ravine, Trib. to	Zerbe, Frank	Harrison	Zerbe Reservoir	Storage	†22AF	4	32	55	Sioux	July	6	1940	—	3196
Hat Creek, Ravine, Trib. to	Geiser, John	Ardmore, S. D.	Geiser Reservoir	Storage	†28AF	34	35	54	Sioux	Oct.	4	1940	—	3279
Hat Creek, Ravine, Trib. to	Vyzourek, Emil W.	Ardmore, S. D.	Vyzourek Res. No. 2	Storage	†7AF	28	35	54	Sioux	Oct.	7	1940	—	3281
Hat Creek, Ravine, Trib. to	Vyzourek, Emil W.	Ardmore, S. D.	Vyzourek Res. No. 3	Storage	†4AF	27	35	54	Sioux	Dec.	6	1940	—	3343
Hat Creek, Ravine, Trib. to	Serres, E. J.	Harrison	Serres Reservoir No. 1	Storage	†27AF	30	33	54	Sioux	June	18	1945	—	3843
Hat Creek, Ravine, Trib. to	Serres, E. J.	Harrison	Serres Reservoir No. 2	Storage	†54AF	29	33	54	Sioux	June	18	1945	—	3844
Horse Creek	Haas, Dominic	Harrison	Haas Reservoir	Storage	†28AF	5	32	54	Sioux	Oct.	30	1944	—	3779
Indian Creek, Ravine, Trib. to	Wallace, Merritt C.	Harrison	Wallace Reservoir	Storage		29	35	56	Sioux	Sept.	16	1946	—	3932
Jim Creek	Dout, Clarence H.	Harrison	Dout Brothers Canal	Irrig.	.86	7	33	56	Sioux	May	15	1889	981	—

Stor-only. Land does not have a direct flow appropriation.
 Supple. I. 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	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional 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	Mackey, Andrew R.	Boulder, Colo.	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	Mackey, Andrew R.	Boulder, Colo.	Slattery Canal	Irrig.	.29	13	33	57	Sioux	May	31	1891	543	—		
Jim Creek	Mackey, Andrew R.	Boulder, Colo.	Galadonia Reservoir	Storage	†42AF	13	33	57	Sioux	July	20	1922	—	1680		
Jim Creek	Mackey, Andrew R.	Boulder, Colo.	High Line Canal	Irrig.	.34	13	33	57	Sioux	July	20	1922	—	1682		
Jim Creek and No. Jim Creek	Dout, Clarence	Harrison	Dout Res. No. 1	Storage	†145AF	7	33	56	Sioux	Apr.	2	1928	—	1999		
Jim Creek	Dout, Clarence	Harrison	Dout Res. No. 2	Storage	†16AF	7	33	56	Sioux	Apr.	2	1928	—	2001		
Jim Creek	Staudenmaier, Charles	Harrison	Jim Creek Canal	Irrig.	.27	15	33	54	Sioux	May	17	1945	—	3334		
Jim Creek, Ravine, Trib. to	Snyder, John A.	Harrison	Snyder Reservoir	Storage	†45AF	17	33	56	Sioux	Dec.	23	1940	—	3353		
Jim Creek, East	Wasserburger, J.	Montrose	Wasserburger Canal	Irrig.	2.29	29	34	54	Sioux	Oct.	13	1900	—	581		
Jim Creek, East	Staudenmaier, Charles	Harrison	Staudenmaier Canal	Irrig.	.56	23	33	54	Sioux	July	26	1945	—	3348		
Jim Creek, East, Trib. to	Coffee, S. B.	Harrison	Homestead Canal	Irrig.	.22	22	33	54	Sioux	May	31	1890	984	—		
Jim Creek, East, Trib. to	Hunter, H. C.	Orella	Hunter Canal	Irrig.	.03	26	33	54	Sioux	May	12	1898	—	451		
Jim Creek, East, Ravine, Trib. to	Eberspecher, Frank	Harrison	Eberspecher Reservoir	Storage	†16AF	28	33	54	Sioux	Sept.	10	1945	—	3853		
Jordan Draw	Jordan, Dan	Harrison	Dan Jordan Reservoir	Storage	†50AF	32	33	55	Sioux	Feb.	20	1929	—	2071		
Jordan, C. Res.	Dout, Clarence H.	Harrison	Cornelius Jordan Canal	Supple. I.	A-841	13	33	56	Sioux	Nov.	12	1906	—	841		
Jordan, C. Res.	Dout, Clarence H.	Harrison	Cornelius Jordan Canal	Supple. I.	A-841	13	33	56	Sioux	Jan.	14	1915	—	1469		
Jordan, C. Res.	Dout, Clarence H.	Harrison	Kite Canal	Supple. I.	A-1375	13	33	56	Sioux	Jan.	14	1915	—	1470		
Jordan, Dan. Res.	Jordan, Dan	Harrison	Dan Jordan Canal	Stor-only		32	33	56	Sioux	Feb.	20	1922	—	2072		
Jordan A., Res.	Jordan, Allen	Montrose	Jordan Canal	Stor-only		9	34	55	Sioux	Aug.	23	1940	—	3446		
Jordan, Allen (Lower Res.)	Jordan, Allen	Montrose	Lower Jordan Canal	Stor-only		16	34	55	Sioux	Feb.	28	1941	—	3446		

Lickett Creek	Coffee, S. B.	Harrison	Lickett Canal	Irrig.		27	33	54	Sioux				1005*	---
Lickett Creek	Coffee, S. B.	Harrison	Lickett Canal	Irrig.	1.43	27	33	54	Sioux	Mar.	21	1900	---	549
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, Wm.	Harrison	Noreisch Canal	Irrig.	.04	33	33	56	Sioux	July	19	1895	---	83
Monroe Creek	Dout, Clarence H.	Harrison	Cornelious Jordan Canal	Irrig.	2.20	13	33	56	Sioux	Nov.	12	1906	---	841
Monroe Creek	Dout, Clarence H.	Harrison	Cornelious Jordan Res.	Storage	†271AF	13	33	56	Sioux	Nov.	12	1906	---	841
Monroe Creek	Dout, Clarence H.	Harrison	Kite Canal	Irrig.	2.00	13	33	56	Sioux	July	30	1914	---	1375
Monroe Creek	Dout, Clarence H.	Harrison	Cornelious Jordan Canal	Storage	†400AF	13	33	56	Sioux	Jan.	14	1915	---	1399
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	Parsons, Bruce	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
Monroe Creek, Ravine, Trib. to	Parsons, Con	Harrison	Parsons Reservoir	Storage		27	33	56	Sioux	May	21	1946	---	3908*
Plunkett Res.	Plunkett, Thos.	Harrison	Plunkett Canal	Stor-only		25	33	56	Sioux	Sept.	18	1928	---	2070
Prairie Dog (or Little Red) Cr.	Parsons, Con	Harrison	Schilt-Prairie Dog Canal	Irrig.	1.14	35	33	56	Sioux	May	31	1886	508	---
Prairie Dog (or Little Red) Cr.	Plunkett, Thomas	Harrison	Zerbst Canal	Irrig.	.14	25	33	56	Sioux	May	1	1893	551	---
Prairie Dog (or Little Red) Cr.	Plunkett, Thos.	Harrison	Plunkett Reservoir	Storage	†110AF	25	33	56	Sioux	Sept.	18	1928	---	2031
Prairie Dog (or Little Red) Cr.	Plunkett, Thomas	Harrison	Plunkett Canal	Irrig.	1.34	25	33	56	Sioux	June	24	1944	---	3737

†Reservoir capacity alleged by applicant.

Supple. I. Denotes storage water in addition to direct flow.

Stor-only. Land does not have a direct flow appropriation.

*Denotes application pending, or claim not adjudicated.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Mo.			D	Yr.
Prairie Dog (or Little Red) Cr.	Plunkett, Thomas	Harrison	Plunkett Canal	Irrig.	.36	25	33	56	Sioux	June	14	1945	3842
Schaefer Res. Nos. 1 and 2	Schaefer Cattle Co.	Harrison	Leonard Canals 1 and 2	Stor.-only		5	32	55	Sioux	Feb.	27	1933	3557
Schnurr Res.	Schnurr, Wm. E. & C. A.	Harrison	Schnurr Canal	Stor.-only		13	34	57	Sioux	Oct.	10	1944	3871
Serres Res. No. 1	Serres, E. J.	Harrison	Serres Canal No. 1	Stor.-only		30	33	54	Sioux	June	18	1945	3969*
Serres Res. No. 2	Serres, E. J.	Harrison	Serres Canal No. 2	Stor.-only		29	33	54	Sioux	June	18	1945	3970*
Shepherd Res.	Shepherd Cattle Co.	Harrison	Shepherd Res. Canal	Supple. I.	A-1965	36	34	57	Sioux	Jan.	29	1931	3795
Snyder Res.	Snyder, John A.	Harrison	Snyder Canal	Stor.-only		32	33	55	Sioux	Dec.	23	1940	3445
Sow Belly Creek.	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
Sow Belly Creek.	Carroll, M. J.	Harrison	Carroll Canal	Irrig.	.14	7	32	55	Sioux	July	12	1899	516
Sow Belly Creek.	Zimmerman, Cleve G. and Emery J.	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	663
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 Canal	Storage	†150AF	7	32	55	Sioux	Feb.	27	1933	2306
Sow Belly Creek.	Schaefer Cattle Co.	Harrison	New Sow Belly Canal	Storage	†150AF	8	32	55	Sioux	Feb.	27	1933	2306½
Sow Belly Creek.	Andrews, Agnes	Harrison	Andrews Canal	Storage	†21AF	5	32	55	Sioux	Mar.	26	1935	2530

Sow Belly Creek, Springs, Trib. to	Lundy, Effie	Harrison	Lundy Reservoir	Storage	†3AF	24	32	56	Sioux	Apr.	17	1946	---	3394
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 Reservoir	Storage	†40AF	6	32	55	Sioux	Aug.	22	1927	---	1954
Spring Creek	Schaefer Cattle Co.	Harrison	Spring Creek Reservoir	Storage	†66AF	12	32	56	Sioux	Oct.	13	1939	---	2985
Spring Cr. Res.	Schaefer Cattle Co.	Harrison	Spring Creek Canal	Stor-only		7	32	55	Sioux	Oct.	13	1939	---	3210
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	Storage	†80AF	2	33	57	Sioux	Jan.	29	1931	---	2189
Turner Res.	Schnurr, Wm. E. and Clarence A.	Harrison	Turner Canal	Supple. I.	D-537	26	34	57	Sioux	July	3	1922	---	1676
Turner Res.	Schnurr, Wm. E. and Clarence A.	Harrison	Turner Canal	Stor-only		26	34	57	Sioux	July	3	1922	---	1677
Vyzourek Res. No. 2	Vyzourek, Emil W.	Ardmore, S.D.	Emil Canal	Stor-only		27	35	54	Sioux	Oct.	7	1940	---	3457
Vyzourek Res. No. 3	Vyzourek, Emil W.	Ardmore, S.D.	Vyzourek Canal	Stor-only		27	35	54	Sioux	Dec.	6	1940	---	3458
Warbonnet Cr.	Coffee, John T.	Harrison	Warbonnet Canal	Irrig.	3.63	21	33	56	Sioux	July	31	1880	548	---
Warbonnet Cr.	Mackey, Andrew R.	Boulder, Colo.	Nolan Canal No. 1	Irrig.	.01	23	33	57	Sioux	Mar.	15	1887	957	---
Warbonnet Cr.	Mackey, Andrew R.	Boulder, Colo.	Nolan Canal No. 2	Irrig.	.29	23	33	57	Sioux	May	1	1888	959	---
Warbonnet Cr.	Coffee, John T.	Harrison	Dout Canal	Irrig.	.29	30	33	56	Sioux	Dec.	31	1891	539b	---
Warbonnet Cr.	Coffee, John T.	Harrison	Warbonnet Canal No. 2	Irrig.	1.50	20	33	56	Sioux	Mar.	11	1908	---	892
Warbonnet Cr.	Slattery L. and C. Co.	Harrison	Zerbst Canal No. 2	Irrig.	.17	25	33	57	Sioux	Mar.	6	1915	---	1404
Warbonnet Cr.	Wasserberger, Gertrude	Ardmore, S.D.	O'Connell Canal	Irrig.	.35	17	33	55	Sioux	June	20	1932	---	2274

Stor-only. Land does not have a direct flow appropriation.

* Denotes application pending.

Supple. I. Denotes storage water in addition to direct flow.

† Reservoir capacity alleged by applicant.

"R" Denotes relocation.

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

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.
						S	T	R	County	Mo.	D			Yr.
Warbonnet Cr., Branch of	Slattery L. and C. Co.	Harrison	Zerbst Canal No. 1	Irrig.	.03	26	33	57	Sioux	Mar.	6	1915	1405
Warbonnet Cr., North Branch	Coffee, John T.	Harrison	Kay Canal	Irrig.	.14	26	33	57	Sioux	May	1	1887	958
Warbonnet Cr., North Branch	Coffee, John T.	Harrison	Dout Canal	Irrig.	.71	30	33	56	Sioux	May	31	1889	530a
Warbonnet Cr., Spr. Br., Trib. to	Coffee, John T.	Harrison	Biehle Canal	Irrig.	.23	32	33	56	Sioux	Apr.	1	1891	538
Warbonnet Cr., Spr. Br., Trib. to	Coffee, John T.	Harrison	Garton Canal	Irrig.	1.43	31	33	56	Sioux	Oct.	16	1893	503
Wasserburger Reservoir	Wasserburger, Jacob	Montrose	Wasserburger Canal	Supple. L.	A-581	29	34	54	Sioux	May	6	1940	3581
Wasserburger Reservoir	Wasserburger, Jacob	Montrose	Wasserburger Canal	Stor-only		29	34	54	Sioux	May	6	1940	3581
Whitehead Cr.	U. S. of America and Geiser, John	Washington	Geiser Canal	Irrig.	1.24	4	34	54	Sioux	Mar.	13	1941	3414
Whitehead Cr., Ravine, Trib. to	Raben, Ellen M.	Ardmore, S. D. Crawford	Raben Reservoir	Storage	†15AF	22	34	54	Sioux	Feb.	19	1942	3553
Whitehead Cr., Spg. Br., Trib.to	Howard, Mrs. Margaret	Orella	Harrison Canal	Irrig.	.06	13	33	54	Sioux	May	30	1888	547
Wickersham Res.	Wickersham Cattle Co.	Harrison	Wickersham Canal	Stor-only		30	33	54	Sioux	Dec.	24	1930	2203
Zerbe Reservoir	Zerbe, Frank	Harrison	Zerbe Canal	Stor-only		4	32	53	Sioux	July	6	1940	3422

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION 2-F

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
Aowa Creek	Iverson, E. C.	Ponca	Pump	Irrig.		23	30	6E	Dixon	Aug.	5	1946		3938
Bazille Creek	Jirous, Frank, Estate	Creighton	Creighton Mill Race	Power		21	29	5	Knox				1002*	
Bazille Creek	Moss and Buckler	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	Pump	Irrig.	1.03	27	31	5	Knox	Oct.	1	1931		2242
Bazille Creek	Dalton, Chas. S.	Niobrara	Pump	Irrig.	.96	10	31	5	Knox	Aug.	17	1936		2616
Bazille Creek	Huigens and Norwood	Creighton	Pump	Irrig.	.15	21	29	5	Knox	Feb.	5	1937		2693
Bazille Creek	Lutt, Elmer F.	Niobrara	Pump	Irrig.	.31	22	31	5	Knox	Oct.	13	1939		2684
Bazille Cr., Lit.	York, Elmer	Center	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	Pump	Irrig.	1.00	11	32	2E	Cedar	Dec.	19	1936		2673
Bow Creek, W.	Eickhoff, Frank	Fordyce	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 (Jack- son Chute)	Crystal Lake Company	South Sioux City	Crystal Lake Dam	Ice	15.00	28	29	8E	Dakota	Apr.	12	1923		1714
Norwegian Bow Creek	Arens, F. H.	Hartington	Pump	Irrig.	.34	20	31	1E	Cedar	June	17	1938		2877
Papillion Cr., W.	Borman, Herman	Papillion	Pump	Irrig.	.82	17	14	12E	Sarpy	July	24	1936		2594

Supple. I. Denotes storage water in addition to direct flow.
 Stor.-only. Land does not have a direct flow appropriation.
 †Reservoir capacity alleged by applicant.
 *Denotes claim not adjudicated.

CLAIMS AND APPLICATIONS BY STREAMS IN DIVISION 2-F—Concluded

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Priority		Doc. No.	App. No.	
						S	T	R	County	Mo.			D	Yr.
Papillion Cr., W.	Trumble, Harland	Papillion	Pump	Irrig.	.51	21	14	12E	Sarpy	Nov.	19	1940	3321
Papillion, Big, North Fork	Krska, J. C.	So. Omaha	Pump	Irrig.	1.53	19	14	13E	Sarpy	Nov.	10	1936	2657
Perrin Creek	Bartels, Lester	Laurel	Pump	Irrig.	.66	30	29	3E	Cedar	May	3	1937	2738
South Creek	Stark, Frank	Ponca	Pump	Irrig.	.69	28	30	6E	Dixon	Feb.	26	1942	3356
South Creek	Lund, Jay E.	Allen	Pump	Irrig.		15	29	5E	Dixon	July	25	1946	3931
Spring Creek	Stochl, Chas. H.	Creighton	Pump	Irrig.	.03	21	29	5	Knox	Oct.	25	1935	2564
Springs	Nye, Ellen	Plainview	Nye Reservoir	Storage	†15AF	26	28	5	Antelope	Aug.	31	1936	2631
Springs	Village of Crofton	Crofton	Crofton Water Supply	Dom.	.25	26	32	2	Knox	Oct.	29	1930	2169

† Reservoir capacity alleged by applicant.

OPTIONAL DIVERSIONS

RECORD OF OPTIONAL DIVERSION—DIVISION 1-A

Optional Appropriation Number	Optional Source	Optional Diversion		Optional Diversion Carrier	Original Appropriation Number	Original Source	Original Diversion		Filing Date for Optional Diversion Permit	
			S-T-R					S-T-R		
A-1290	Akers or Nelson Draw		12-23-57	Nelson Draw Canal	D-920	North Platte R.	NW ¼ NW ¼	27-23-57	May 21, 1913	
P-189*	Alliance Feeder Drain	NW ¼ SE ¼	18-22-53	Tri-State Canal	D-918	North Platte R.	SW ¼ SE ¼	3-23-58	Mar. 11, 1935	
A-2248	Anderson Seep	NW ¼ SE ¼	26-20-51	Gordon Canal	D-858	North Platte R.	SE ¼ SW ¼	18-20-51	Nov. 7, 1941	
A-1450	Atkins Drain	SW ¼ SW ¼	15-19-40	Atkins Canal	D-828	North Platte R.	SE ¼ SW ¼	18-20-51	Mar. 27, 1916	
A-1776	Bayard Sugar Fcty. Dr.	SE ¼ NE ¼	5-20-52	Alliance Canal	D-874	North Platte R.	NW ¼ SW ¼	5-20-52	Aug. 13, 1925	
A-1495	Buffalo Creek	NW ¼ SE ¼	22-10-21	Savins Pump	D-622	Platte River	N ½ NW ¼	18-10-23	Aug. 17, 1917	
A-1648	Buffalo Creek	NW ¼ NW ¼	21-10-21	Doughty Pump	D-622	Platte River	N ½ NW ¼	18-10-23	Mar. 24, 1922	
A-1868	Buffalo Creek	W ½	33-10-20	Hodgson Pump	D-622	Platte River	N ½ NW ¼	18-10-23	Oct. 28, 1926	
A-2088	Camp Clark Seep	NW ¼ SW ¼	6-20-51	Alliance Canal	A-418	North Platte R.	SW ¼ SW ¼	16-20-51	June 22, 1929	
A-1397	Cedar Creek	SW ¼ SW ¼	23-18-48	Cedar Creek Feeder	D-828	North Platte R.	SE ¼ SW ¼	18-20-51	Jan. 7, 1915	
P-201	Dawson Co. Drainage District No. 1	NW ¼ SE ¼	1- 9-22	Murray Pump	D-621	Platte River	NW ¼ NW ¼	18-10-23	June 2, 1937	
A-2777*	Dawson Co. Drainage District No. 1	SE ¼ SW ¼	18- 9-20	Beatty Pump	A-2083	Strever Creek	SE ¼ SW ¼	18- 9-20	Aug. 24, 1937	
A-2129	Dawson Co. Drainage District No. 1	NW ¼	14- 9-21	Rosenberg Pump	D-624	Platte River	N ½ NW ¼	18-10-23	Mar. 15, 1930	
P-197	Dawson Co. Drainage District No. 1	SW ¼ SW ¼	11- 9-21	Sheldon Pump	A-2145	Platte River	N ½ NW ¼	18-10-23	May 7, 1937	
P-226	Degraw Drain	NW ¼ SE ¼	14-20-51	Mitchell Pump	A-418	North Platte R.	SW ¼ SW ¼	16-20-51	Apr. 23, 1940	
A-1241	Dry Spotted Tail Creek	SW ¼ NW ¼	16-23-56	Hrasky Canal	D-918	North Platte R.	SW ¼ SE ¼	3-23-58	Nov. 6, 1912	
P-188*	Dry Spotted Tail Creek	SW ¼ SW ¼	4-23-56	Tri-State Canal	D-918	North Platte R.	SW ¼ SE ¼	3-23-58	Mar. 11, 1935	
P-195	Dry Spotted Tail Creek	SW ¼ NW ¼	16-23-56	Kellum Pump	D-918	North Platte R.	SW ¼ SE ¼	3-23-58	Mar. 24, 1937	
P-236	Dry Spotted Tail Creek	NE ¼ NE ¼	20-23-56	Dry Spotted Tail Creek Lateral	D-920	North Platte R.	NW ¼ NW ¼	27-23-57	Oct. 15, 1940	

A-2281	Ground Water	SW $\frac{1}{4}$ NW $\frac{1}{4}$	20- 9-20	Beatty Well	D-624	Platte River	N $\frac{1}{2}$ NW $\frac{1}{4}$	18-10-23	Aug.	29, 1932
A-2513	Ground Water	SW $\frac{1}{4}$ SE $\frac{1}{4}$	19- 9-20	Beatty Well	D-624	Platte River	N $\frac{1}{2}$ NW $\frac{1}{4}$	18-10-23	Feb.	15, 1935
P-204*	Ground Water	NW $\frac{1}{4}$ SE $\frac{1}{4}$	33-10-23	Neil Well	D-627	Platte River	NW $\frac{1}{4}$ SW $\frac{1}{4}$	9-10-24	Feb.	18, 1938
A-1473	Hoth Draw	N $\frac{1}{2}$	28-21-52	O'Holleren Pump	D-918	North Platte R.	SW $\frac{1}{4}$ SE $\frac{1}{4}$	3-23-53	Jan.	26, 1917
A-1744	Kearney Tail Race	N $\frac{1}{2}$ NW $\frac{1}{4}$	11- 8-16	Peaker Pump	D-1023	Platte River	SW $\frac{1}{4}$	4- 8-18	May	8, 1924
A-2638	Lincoln Co. Drainage Dist. No. 1, Ditch 1	NW $\frac{1}{4}$ SW $\frac{1}{4}$	26-14-31	Evans Pump	D-662	North Platte R.	NE $\frac{1}{4}$ SE $\frac{1}{4}$	12-14-33	Sept.	14, 1936
A-2694	Lincoln Co. Drainage Dist. No. 1, Ditch 1	SW $\frac{1}{4}$ NE $\frac{1}{4}$	30-14-31	Frame Pump	D-635	North Platte R.	NE $\frac{1}{4}$ SE $\frac{1}{4}$	13-14-34	Feb.	6, 1937
P-213	Lincoln Co. Drainage Dist. No. 1, Ditch 1	SW $\frac{1}{4}$ NW $\frac{1}{4}$	25-14-32	Suburban Canal	D-662	North Platte R.	NE $\frac{1}{4}$ SE $\frac{1}{4}$	12-14-33	Oct.	15, 1938
A-2459	Lincoln Co. Drainage Dist. No. 1, Ditch 2	NW $\frac{1}{4}$ NE $\frac{1}{4}$	30-14-31	Reimers Pump	D-635	North Platte R.	NE $\frac{1}{4}$ SE $\frac{1}{4}$	13-14-34	Aug.	13, 1934
A-2648	Lincoln Co. Drainage Dist. No. 1, Ditch 2	W $\frac{1}{2}$ NW $\frac{1}{4}$	29-14-31	Suburban Canal	D-662	North Platte R.	NE $\frac{1}{4}$ SE $\frac{1}{4}$	12-14-33	Oct.	22, 1936
P-198	Lincoln Co. Drainage Dist. No. 1, Ditch 2	N $\frac{1}{2}$	26-14-31	Evans Pump	D-662	North Platte R.	NE $\frac{1}{4}$ SE $\frac{1}{4}$	12-14-33	May	15, 1937
P-245	Minatare Drain	SW $\frac{1}{4}$ SW $\frac{1}{4}$	3-21-53	Minatare Lateral	D-919	North Platte R.	NW $\frac{1}{4}$ SE $\frac{1}{4}$	32-22-54	Nov.	13, 1941
P-265	Minatare Drain	NW $\frac{1}{4}$ NW $\frac{1}{4}$	10-21-53	Redding Pump	D-919	North Platte R.	NW $\frac{1}{4}$ SE $\frac{1}{4}$	32-22-54	Apr.	13, 1946
A-1742	North Platte R.	N $\frac{1}{2}$ SE $\frac{1}{4}$	4-16-44	Overland-Midland	D-800	Blue Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$	28-17-42	Mar.	31, 1924
A-2150	North Platte R.	NW $\frac{1}{4}$ SE $\frac{1}{4}$	26-22-55	Gering Factory Pump	A-2054	North Platte R.	NW $\frac{1}{4}$ NW $\frac{1}{4}$	36-22-55	July	24, 1930
A-1431	Nine Mile Draw	NW $\frac{1}{4}$ SW $\frac{1}{4}$	10-21-53	Nine Mile Canal	D-925	North Platte R.	NE $\frac{1}{4}$ SW $\frac{1}{4}$	18-21-53	Aug.	19, 1915
P-185	Paxton Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$	31-15-37	Coyner Canal	A-662b	White Tail Creek	SE $\frac{1}{4}$ NE $\frac{1}{4}$	26-15-38	Feb.	28, 1935
A-1860	Pedens Lake	SE $\frac{1}{4}$ SE $\frac{1}{4}$	12-11-23	Excell Canal	D-645b	Platte River	NW $\frac{1}{4}$ SW $\frac{1}{4}$	19-12-26	Sept.	16, 1926
A-1429	Red Willow Creek	NW $\frac{1}{4}$ SW $\frac{1}{4}$	6-20-51	Alliance Canal	D-874	North Platte R.	NW $\frac{1}{4}$ SW $\frac{1}{4}$	5-20-52	Aug.	5, 1915
A-1432	Red Willow Creek	SE $\frac{1}{4}$ SE $\frac{1}{4}$	12-20-51	Dobson Canal	A-1181	North Platte R.	NW $\frac{1}{4}$ SW $\frac{1}{4}$	5-20-52	Sept.	10, 1915
A-2088	Red Willow Creek	NE $\frac{1}{4}$ NE $\frac{1}{4}$	9-20-51	Alliance Canal	A-418	North Platte R.	SW $\frac{1}{4}$ SW $\frac{1}{4}$	16-20-51	June	22, 1929
P-262	Red Willow Creek	NE $\frac{1}{4}$ SE $\frac{1}{4}$	32-21-51	Belden Pump	D-925	North Platte R.	SE $\frac{1}{4}$ SE $\frac{1}{4}$	18-21-53	Aug.	24, 1945

RECORD OF OPTIONAL DIVERSION—DIVISION 1-A—Concluded

Optional Appropriation Number	Optional Source	Optional Diversion		Optional Diversion Carrier	Original Appropriation Number	Original Source	Original Diversion		Filing Date for Optional Diversion Permit
		S-T-R					S-T-R		
A-1176	Sheep Creek	NE¼ NE¼	17-23-57	Sheep Creek Lateral	D-918	North Platte R.	SW¼ SE¼	3-23-58	Feb. 26, 1912
A-1398	Sheep Creek	NE¼ NE¼	17-23-57	Sheep Creek Lateral	D-918	North Platte R.	SW¼ SE¼	3-23-58	Jan. 12, 1915
P-191*	Sheep Creek	NE¼ SW¼	8-23-57	Tri-State Canal	D-918	North Platte R.	SW¼ SE¼	3-23-58	Mar. 11, 1935
P-248*	South Platte R.	NW¼	8-13-36	Sutherland Canal	A-2350	North Platte R.	SE¼	2-14-38	July 29, 1943
A-2049	Strever Creek	NW¼ NW¼	35- 9-20	Jurgenson Pump	D-624	Platte River	N½ NW¼	18-10-23	Oct. 19, 1923
A-2101	Strever Creek	SW¼ SE¼	27- 9-20	Wengler Pump	A-2039	Platte River	N½ NW¼	18-10-23	Aug. 27, 1929
A-2502	Taylor Drain	SW¼ NW¼	3-21-53	Oberlies Canal	D-919	North Platte R.	NW¼ SE¼	32-22-54	Dec. 21, 1934
A-2413	Toohey Drain	W½ SW¼	20-23-56	Fanning Pump	D-920	North Platte R.	NW¼ NW¼	27-23-57	June 25, 1934
P-192*	Tub Springs Feeder	SE¼ SW¼	27-23-55	Tri-State Canal	D-918	North Platte R.	SW¼ SE¼	3-23-58	Mar. 11, 1935
P-234	Tub Springs	SW¼ SW¼	33-23-55	Tub Springs Lateral	D-920	North Platte R.	NW¼ NW¼	27-23-57	Oct. 15, 1940
A-1769	Warner's Seep Lake	SE¼ SW¼	12-23-57	Warner Canal	D-918	North Platte R.	SW¼ SE¼	3-23-58	July 10, 1925
A-449	Wet Spotted Tail Creek	SW¼ SW¼	10-23-56	Stewart Canal	D-918	North Platte R.	SW¼ SE¼	3-23-58	May 2, 1898
P-190*	Wet Spotted Tail Creek	NW¼ SW¼	10-23-56	Tri-State Canal	D-918	North Platte R.	SW¼ SE¼	3-23-58	Mar. 11, 1935
P-235	Wet Spotted Tail Creek	SW¼ NW¼	22-23-56	Wet Spotted Tail Lateral	D-920	North Platte R.	NW¼ NW¼	27-23-57	Oct. 15, 1940
A-1446	Winters Creek	SW¼ NE¼	19-22-54	Winters Creek Canal	D-952	North Platte R.	NW¼ SE¼	17-22-55	Feb. 9, 1916
A-2409	Winters Creek	NE¼ SE¼	8-22-54	Enterprise Canal	D-920	North Platte R.	NW¼ NW¼	27-23-57	June 18, 1934
P-216	Winters Creek Drain	NW¼ NE¼	31-22-54	Gering Factory Pump	{ A-2054 A-2150	North Platte R.	NW¼ NW¼	36-22-55	May 26, 1939

RECORD OF OPTIONAL DIVERSION—DIVISION 1-B

A-1523	Canyon No. 10	SW¼ NE¼	17- 3-31	Wacker Canal	D-10	Frenchman River	NE¼ NW¼	11- 3-32	Sept. 4, 1913
A-1573	Canyon No. 10	SW¼ NE¼	17- 3 31	Crews Canal	D-10	Frenchman River	NE¼ NW¼	11- 3-32	Jan. 21, 1920

RECORD OF OPTIONAL DIVERSION—DIVISION 2-D

A-2078	Spring Creek	SW $\frac{1}{4}$ SW $\frac{1}{4}$	7-32-51	Lawrence Pump	D-473	Spring Creek	NE $\frac{1}{4}$	13-32-52	Apr. 19, 1929
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CLAIMS AND APPLICATIONS CANCELED OR DISMISSED FROM SEPTEMBER 30, 1944 to SEPTEMBER 30, 1946

174

Source	Appropriator or Operator	Post Office	Carrier	Use to which applied	Provi- sional Grant in Sec.-ft.	Location of Diversion or Dam			Date of Cancellation or Dismissal			Doc. No.	App. No.	
						S	T	R	County	Mo.	D			Yr.
DIVISION 1-A														
Jacobsen Res.	Jacobsen, Carl A.	Riverdale	Jacobsen Canal	Irrig.		31	10	16	Buffalo	Feb.	23	1946		3792
Platte River, Ravine, Trib. to	Hagge, Arnold	Gibbon	Hagge Reservoir	Storage		16	9	17	Buffalo	Sept.	28	1946		3565
Pumpkinseed Cr.	Rodgers, Bert	Lincoln	Rodgers Canal	Irrig.		9	15	54	Banner	Jan.	4	1946		2840
Pumpkinseed Cr.	Rodgers, Bert	Lincoln	Wright Canal	Irrig.		5	19	54	Banner	Jan.	4	1946		3841
DIVISION 1-B														
Cheyenne Canyon	Cannon, Elmer	Benkelman	Cannon Reservoir	Storage		35	2	37	Dundy	Jan.	2	1945		3595
Republican R., Ravine, Trib. to	Lipp, H. M.	Franklin	Lipp Reservoir	Storage		31	2	13	Franklin	Apr.	5	1946		3849
DIVISION 1-C														
Sandy Cr., Big	Joe, Frank	Alexandria	Pump	Irrig.		12	3	1	Thayer	Aug.	11	1945		3783
DIVISION 1-D														
Blue R., Big	Manning, Earl L.	Fairmont	Pump	Irrig.		8	8	3	Fillmore	Mar.	9	1945		3748
DIVISION 1-F														
Nemaha River	Windle, Joe	Salem	Pump	Irrig.		11	1	15E	Richardson	Sept.	30	1946		3940**
DIVISION 2-A														
Hawthorne Cr.	Hughes, Ralph	Arcadia	Hughes Canal	Irrig.		26	17	16	Valley	Jan.	2	1946		3860**

**Denotes application dismissed.

REPORT OF THE STATE ENGINEER

Loup R., North	Honnold, C. L.	Tuttle, Okla.	Pump	Irrig.	9 17	12	Greeley	Sept.	13	1945	3808
Loup R., North	Stewart, Ernest B.	Ord	Taylor-Ord Canal	Irrig.	13 21	19	Loup	Dec.	11	1945	3824
Loup R., South	Brown, R. G., et al	Sargent	Pump	Irrig.	26 17	25	Custer	Aug	26	1946	3832**
DIVISION 2-B											
Elkhorn River	Dworak, Mary	Oakdale	Pump	Irrig.	.72	1 24	6 Antelope	June	17	1946	3033
Elkhorn River	Dworak, Mary	Oakdale	Pump	Irrig.	.20	1 24	6 Antelope	June	17	1946	3416
DIVISION 2-C											
Niobrara River	Bond and Tissott	Peters	Usher Canal	Irrig.	1.16	19 29	46 Sheridan	Oct.	10	1945	82
Niobrara River	Nissen, Peter J.	Hay Springs	Pump	Irrig.	1.54	23 29	46 Sheridan	Oct.	10	1945	2578
Niobrara River	U. S. of America	Denver, Colo.	Mirage Res. No. 1	Storage		10 29	46 Sheridan	Oct.	11	1945	2709b**
			Mirage Res. No. 3	Storage		6 29	45				
DIVISION 2-D											
Antelope Cr., No.	Schnurr, Wm. E., et al	Harrison	Grammercy Dam	Irrig.	3.71	13 34	57 Sioux	Mar.	20	1946	1591
White Clay Cr.	Dodd, Wm. H.	Crawford	Dodd Reservoir	Storage	24	31	52 Dawes	May	4	1946	3854

** Denotes application dismissed.

PUBLIC POWER DISTRICTS

AND

PUBLIC IRRIGATION DISTRICTS

DRAINAGE DISTRICTS

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PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 70, ARTICLE 6, REVISED STATUTES, 1943
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.....	205,154	2,000,000

Consumers Public Power District	Columbus.....	All Voting Precincts in State Comprised in whole or in part of any incorporated City or Village furnished electrical energy at retail by the District		—
Dismai River Public 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	
Harvard Public Power and Irrigation District	Harvard.....	Eldorado, Harvard First, Harvard Second and Lynn Voting Precincts in Clay County	20,000	—
Loup River Public Power District	Columbus.....	Platte County.....		11,000 Regulating Reservoir
Merrick County Public Pump Irrigation 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	15,320	47,670
Nebraska Mid-State Public Power and Irrigation District	Grand Island.....	Buffalo, Hall and Merrick Counties	500,000	578,000
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	—

POWER DISTRICTS ORGANIZED UNDER CHAPTER 70, ARTICLE 6, REVISED STATUTES 1943
POWER AND IRRIGATION DISTRICTS—Concluded

Name of District	Headquarters	Municipalities Constituting District	Proposed Area in Acres to be Reclaimed	Proposed Capacity of Reservoir in Acre-feet
Omaha Public Power District	Omaha.....	Washington County, exclusive of City of Blair; Douglas County; Sarpy County; Arizona and Summit No. 2 Voting Precincts in Burt County; Logan, Cuming, Everett, Hooper-Hooper, Hooper-Winslow, Nickerson, Maple, Cotterell, Union, North Bend, Platte-Ames, Platte-East and Elkhorn Voting Precincts in Dodge County; Colfax and Rogers Voting Precincts in Colfax County; North Cedar, South Cedar, Morse Bluff, Douglas, Pohocco, Leshara, Union, Marietta, North Center, South Stocking, Wahoo, Marble, Clear Creek, Green, West Ashland and East Ashland Voting Precincts in Saunders County; Plattsmouth, Plattsmouth City, Eight Mile Grove, Louisville, South Bend, Salt Creek, Greenwood, Elmwood, Center, Mount Pleasant, Nehawka, Avoca, Weeping Water, Weeping Water City, Stove Creek and Tipton Voting Precincts in Cass County; Ferlin and North Branch Voting Precincts in Otoe County		
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	198,173	200,000

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; Corner Voting Precinct (formerly Sargent Voting Precinct No. 2); West Union Voting Precinct and Milburn Voting Precinct in Custer County	15,363	
United Public Power and Irrigation District	Cambridge.....	Frontier County; Furnas County; Harlan County; Red Willow County, exclusive of City of McCook; Stratton, Pleasant View, Trenton, Grant, Logan, Union, Freedom, Upper, Cornell and Driftwood Voting Precincts in Hitchcock 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 70, ARTICLE 6, REVISED STATUTES 1943
RURAL ELECTRIFICATION DISTRICTS

Name of District	Headquarters	Municipalities Constituting District
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, Herrick, Frankfort, Eastern, Dalphin, Dowling, Lincoln, Columbia, Morton, Peoria, Harrison, Central and Cleveland Voting Precincts 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
Cornhusker Rural Public Power District	Columbus	Boone County, exclusive of City of Albion; Colfax County, exclusive of City of Schuyler; Nance County, exclusive of City of Fullerton and City of Genoa; Platte County, exclusive of City of Columbus
Cuming County Rural Public Power District	West Point	Cuming County, exclusive of City of Wisner and City of West Point
Custer Public Power District	Broken Bow	Custer County, exclusive of the cities of Broken Bow, Sargent, Arnold and Ansley
Dawson County Public Power District	Lexington	Dawson County
Eastern Nebraska Public Power District	Syracuse	Richardson, Pawnee, Nemaha, Johnson, Cass, Otoe 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, exclusive of City of St. Paul
McCook Public Power District	McCook	City of McCook in Red Willow County

Madison County Rural Public Power District	Battle Creek	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, Norfolk, exclusive of City of Norfolk, and Madison, exclusive of City of Madison, Voting Precincts in Madison County
Norris Rural Public Power District	Beatrice	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 City of Lincoln
North Central Nebraska Rural Public Power District	Creighton	Western, Washington, Walnut Grove, Logan, Jefferson, Bohemia, Niobrara, exclusive of Village of Niobrara, Sparta, Verdigre, exclusive of Village of Verdigre, Miller, exclusive of Village of Winnetoon, Spade, Union, Valley, exclusive of Village of Center, Creighton, exclusive of City of Creighton, Cleveland, Central and Harrison Voting Precincts in Knox County; Sherman, Verdigris, Eden, Bazile, Garfield, exclusive of Village of Orchard, Royal, exclusive of Village of Royal, Ellsworth, exclusive of Village of Brunswick, Crawford, Custer and Willow Voting Precincts in Antelope County; Golden, Verdigris, exclusive of Village of Page, Antelope, Iowa, Willowdale, Steelcreek and Scott Voting Precincts in Holt County; North Dry Creek, exclusive of City of Plainview, South Dry Creek, exclusive of City of Plainview, and Willow Creek Voting Precincts in Pierce County
Northeast Nebraska Rural Public Power District	Emerson	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
Polk County Rural Public Power District	Stromsburg	Silver Creek and Clarksville No. 1 Voting Precincts in Merrick County; Polk County, exclusive of City of Stromsburg and City of Osceola

PUBLIC DISTRICTS ORGANIZED UNDER CHAPTER 70, ARTICLE 6, REVISED STATUTES 1943
RURAL ELECTRIFICATION DISTRICTS

Name of District	Headquarters	Municipalities Constituting District
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 City of Holdrege; Kearney County, exclusive of City of Minden; Hamilton County, exclusive of City of Aurora; West Blue, Highland, Verona, Kenesaw, Wanda, Juniata, Denver, Blaine, Hanover, Ayr, Roseland and Cottonwood Voting Precincts in Adams County; Lake, Prairie Creek, Mayfield, South Loup, Camaron, Harrison, Center, Washington, exclusive of City of Grand Island, Alda, Wood River, Jackson, Martin, Doniphan and South Platte Voting Precincts in Hall County; Palmer, Loup, Prairie Creek, Vieregg, Midland, Chapman, Mead, Lone Tree, Prairie Island, Clarksville No. 2 and Central Voting Precincts in Merrick County
Stanton County Rural Public Power District.....	Stanton.....	Stanton County
Wayne County Rural Public Power District.....	Wayne.....	Wayne County
York County Rural Public Power District.....	York.....	York County, exclusive of City of York

PUBLIC DISTRICTS DISSOLVED

Name of District	Headquarters	Remarks	Date of Dissolution
Boone and Nance Rural Public Power District	St. Edward.....	All of District included in Cornhusker Rural Public Power District	Feb. 11, 1944
Dawson County Public Pump Irrigation District	Lexington.....		Nov. 2, 1942
Hall County Public Pump Irrigation District	Wood River.....		June 3, 1941
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
Imperial Valley Public Power and Irrigation District	Palisade.....		April 11, 1946
Lancaster County Rural Public Power District	Walton.....	All of District, excepting Lancaster Voting Precinct, included in Norris Rural Public Power District	Aug. 3, 1942
Merriek 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
South Platte Public Power and Irrigation District	Ogallala.....		July 2, 1942
Southeastern Nebraska Rural Public Power District	Beatrice.....	All of District, excepting Cities of Beatrice and Wymore, included in Norris Rural Public Power District.	June 15, 1942
Thayer County Rural Public Power District	Hebron.....	All of District, excepting the City of Hebron, included in Norris Rural Public Power District	Dec. 5, 1942

DRAINAGE DISTRICTS

Below is a complete list of drainage districts of record in the Bureau of Irrigation, Water Power and Drainage.

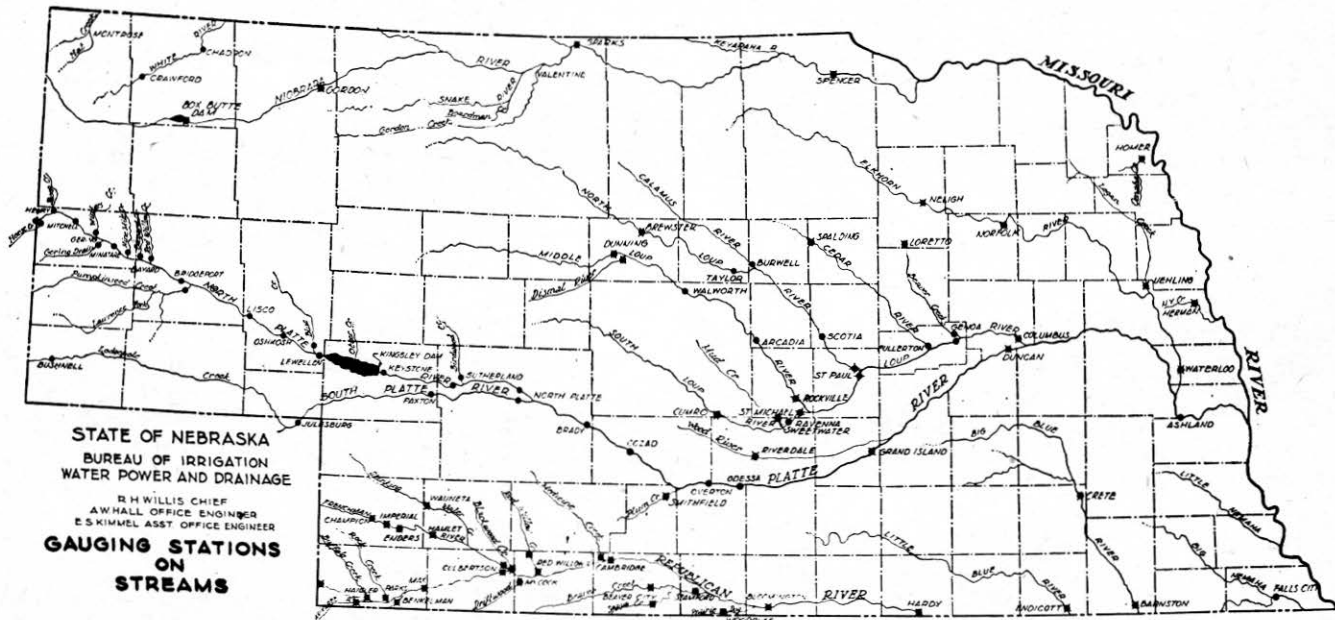
County	Name of District	Date of Approval of Plans
Buffalo	John Swenson Drainage Ditch	Nov. 5, 1929
Burt-Thurston	Lyons Drainage Ditch	
Burt-Washington	Burt-Washington County Drainage Dist. No. 1	Aug. 2, 1915
Burt-Washington	Burt-Washington County Drainage Dist. No. 2	Feb. 19, 1925
Burt-Washington	Peterson Bend Protection District	Sept. 2, 1921 (Retards)
Butler	Yanike Drainage District	
Butler	Drainage District No. 1	Aug. 5, 1918
Butler	Drainage District No. 2	July 26, 1917
Cedar	Laurel Drainage District	Dec. 15, 1925
Cherry	Horsehoe 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 Ditch 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
Garden	Garden County Improvement and Drainage District No. 1. (Oshkosh Drainage District)	June 28, 1932

DRAINAGE DISTRICTS—Concluded

County	Name of District	Date of Approval of Plans
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 (Extension of Henrichs 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

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DIVISION OF HYDROGRAPHY



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

GAUGING STATIONS
ON
STREAMS

DESCRIPTIONS OF GAGING STATIONS

NORTH PLATTE RIVER BELOW PATHFINDER DAM, WYOMING

LOCATION:—Water-stage recorder in Section 24, Township 29 North, Range 84 West, about $\frac{1}{4}$ mile below dam. Discharge measurements made from a cable located about 25 yards above the recorder shelter. Datum of gage is approximately 5,650 feet above mean sea level.

DRAINAGE AREA:—10,700 square miles.

RECORDS AVAILABLE:—May, 1905, to September, 1946.

EXTREMES:—Maximum daily discharge, 18,900 second-feet June 25, 26 and 27, 1917. Minimum daily discharge regulated to a few second-feet almost every year during the non-irrigation season.

REMARKS:—Records furnished by the United States Bureau of Reclamation.

NORTH PLATTE RIVER BELOW ALCOVA DAM, WYOMING

LOCATION:—Water-stage recorder in Section 19, Township 30 North, Range 82 West, about $\frac{1}{4}$ mile below dam. Discharge measurements made from a cable located about 10 yards above the recorder shelter. Datum of gage is approximately 5,330 feet above mean sea level.

DRAINAGE AREA:—10,720 square miles.

RECORDS AVAILABLE:—June, 1935, to September, 1946.

EXTREMES:—Maximum daily discharge 7,020 second-feet July 10, 1937. Minimum daily discharge regulated to a few second-feet during the non-irrigation season each year.

REMARKS:—Records furnished by the United States Bureau of Reclamation in cooperation with the United States Geological Survey.

NORTH PLATTE RIVER BELOW GUERNSEY DAM, WYOMING

LOCATION:—Water-stage recorder in Section 27, Township 27 North, Range 66 West, (revised), $\frac{3}{4}$ mile below Guernsey Dam, 1 mile northwest of Guernsey and 192 miles downstream from Pathfinder Reservoir. Discharge measurements are made from a cable located about 100 yards below the recorder. Datum of gage is approximately 4,430 feet about mean sea level.

DRAINAGE AREA:—16,200 square miles.

RECORDS AVAILABLE:—October, 1927, to September, 1946.

EXTREMES:—Maximum daily discharge, 14,450 second-feet June 4, 1928. Minimum daily discharge 6 second-feet, October 8 and 9, 1942.

REMARKS:—Records furnished by the United States Bureau of Reclamation.

NORTH PLATTE RIVER BELOW WHALEN, WYOMING

LOCATION:—Water-stage recorder in the SW $\frac{1}{4}$ of Section 12, Township 26 North, Range 65 West, $\frac{2}{4}$ miles below Whalen Dam and 200 miles downstream from Pathfinder Reservoir. Datum of gage is approximately 4,250 feet above mean sea level.

DRAINAGE AREA:—16,300 square miles.

RECORDS AVAILABLE:—April, 1938, to September, 1946.

EXTREMES:—Maximum daily discharge, 4,620 second-feet May 19, 1942. Minimum daily discharge zero second-feet September 27 to 30, 1938.

REMARKS:—Flow is regulated by several reservoirs above station. Records furnished by the United States Bureau of Reclamation.

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

LOCATION:—Water-stage recorder in the NE $\frac{1}{4}$ of Section 10, Township 23 North, Range 60 West, $\frac{1}{4}$ mile above the Wyoming-Nebraska State Line, about 800 feet below the headgate of the Mitchell Canal and 240 miles downstream from Pathfinder Reservoir. Datum of gage is approximately 4,035 feet above mean sea level.

DRAINAGE AREA:—22,100 square miles.

RECORDS AVAILABLE:—May, 1929, to September, 1946.

EXTREMES:—Maximum daily discharge, 17,900 second-feet June 2, 1929. Minimum daily discharge, 21 second-feet May 16, 1934.

REMARKS:—Flow is regulated by several reservoirs above station. Maintained by Nebraska, Wyoming, and the United State Geological Survey, Denver District Office.

NORTH PLATTE RIVER AT MITCHELL.

LOCATION:—Water-stage recorder in SW $\frac{1}{4}$ Section 27, Township 23 North, Range 56 West, at State highway bridge $\frac{1}{2}$ mile south of Mitchell and 253 miles downstream from Pathfinder Reservoir. Datum of gage is 3,931.3 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—24,300 square miles.

RECORDS AVAILABLE:—June, 1901, to July, 1913, and April, 1916, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 3,390 second-feet June 11 (gage height, 5.03 feet); minimum daily, 258 second-feet July 30, 31.

Water year 1946: Maximum discharge, 1,970 second-feet October 1 (gage height, 3.80 feet); minimum daily, 186 second-feet May 1, 23.

1901-13, 1916-46: Maximum daily discharge, 23,600 second-feet June 17, 1921; minimum daily, 45 second-feet May 10, 1934.

NORTH PLATTE RIVER AT MITCHELL—CONCLUDED

REMARKS:—Records good except those for periods of doubtful gage-height record, June 10-12, 1945, or no gage-height record, December 10-12, 1945, which are fair. Flow regulated by several reservoirs above station.

NORTH PLATTE RIVER NEAR MINATARE

LOCATION:—Water-stage recorders (two channels). Main channel gage, in E½ Section 13, Township 21 North, Range 54 West, 350 feet upstream from State highway bridge, 1¼ miles southwest of Minatare and 270 miles downstream from Pathfinder Reservoir. Datum of main channel gage is 3,812.7 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—24,700 square miles.

RECORDS AVAILABLE:—May, 1916, to October, 1919, and April, 1922, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 3,360 second-feet June 11; minimum daily, 351 second-feet May 26.

Water year 1946: Maximum discharge, 2,160 second-feet October 1; minimum daily, 226 second-feet June 16.

1916-19, 1922-46: Maximum daily discharge, 23,400 second-feet June 18, 1921, computed on basis of discharge at stations at Mitchell and Bridgeport; minimum daily, 11 second-feet August 16-18, 1940.

REMARKS:—Records good except those for periods of no gage-height record on the main channel November 25 to December 11, 1945, and the Nine Mile Channel February 27 to March 10, 1946, which are fair. Flow regulated by several reservoirs above station. River flows in two channels for which separate records are computed; figures given herein represent combined discharge.

NORTH PLATTE RIVER AT BRIDGEPORT

LOCATION:—Water-stage recorders (two channels). Main channel gage, in Section 28, Township 20 North, Range 50 West, at bridge on U. S. Highway 26, ½ mile north of Bridgeport and 293 miles downstream from Pathfinder Reservoir. Datum of main channel gage is 3,656.1 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—25,300 square miles.

RECORDS AVAILABLE:—May, 1902, to November, 1906, and June, 1915, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 4,260 second-feet June 12; minimum daily, 513 second-feet July 10.

Water year 1946: Maximum discharge, 2,840 second-feet October 2; minimum daily, 234 second-feet August 5.

NORTH PLATTE RIVER AT BRIDGEPORT—CONCLUDED

1902-06, 1915-46: Maximum daily discharge, 23,000 second feet June 19, 1921; minimum daily, 55 second-feet May 28, 1934, August 15, 1940.

REMARKS:—Records good except those for periods of ice effect, December 23, 1944, to January 7, 1945, December 16, 1945, to January 4, 1946, and period of doubtful gage height record on the main channel, January 16-21, 1945, which are poor. Flow regulated by several reservoirs above station. River flows in two channels for which separate records are computed; figures given herein represent combined discharge.

NORTH PLATTE RIVER AT LISCO

LOCATION:—Water-stage recorder, in Section 33, Township 18 North, Range 46 West, at highway bridge $\frac{1}{2}$ mile south of Lisco and 321 miles downstream from Pathfinder Reservoir. Datum of gage is 3,475.5 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—26,900 square miles.

RECORDS AVAILABLE:—April to September, 1916, April to October, 1917, September, 1931, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 4,350 second-feet June 13; minimum daily, 684 second-feet July 13.

Water year 1946: Maximum discharge, 2,940 second feet October 2; minimum daily, 195 second-feet August 6.

1931-46: Maximum discharge, 12,100 second-feet June 15, 1935; minimum daily, 8 second-feet August 4, 1934.

REMARKS:—Records good except those for periods of ice effect, November 15-27, 30, 1944, December 23, 1944, to January 28, 1945, January 31 to February 6, February 18-25, March 5-7, December 14-31, 1945, January 1 to February 28, 1946, which are poor. Flow regulated by several reservoirs above station.

NORTH PLATTE RIVER AT OSHKOSH

LOCATION:—Water-stage recorder, near line between Sections 3 and 10, Township 16 North, Range 44 West, at bridge on State Highway 27, 1 mile south of Oshkosh and 348 miles downstream from Pathfinder Reservoir. Datum of gage is 3,369.6 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—27,500 square miles.

RECORDS AVAILABLE:—April, 1916, to October, 1917, and March, 1928, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 4,310 second-feet June 15; minimum daily, 568 second-feet July 15.

NORTH PLATTE RIVER AT OSHKOSH—CONCLUDED

Water year 1946: Maximum discharge, 3,030 second-feet October 3; minimum daily, 156 second-feet August 11.

1916-17, 1928-46: Maximum daily discharge, 19,200 second feet June 4, 1929; no flow July 21 to August 11, August 21, 24-31, 1934.

REMARKS:—Records good except those for periods of ice effect, November 24, 1944, to February 12, 1945, February 14 to March 1, March 5-8, December 11-31, 1945, January 1 to February 23, 1946, or indefinite stage-discharge relation, November 8-23, 1944, which are poor. Flow regulated by several reservoirs above station.

NORTH PLATTE RIVER AT LEWELLEN

LOCATION:—Water-stage recorders (two channels) in Section 34, Township 16 North, Range 42 West, at highway bridges, $\frac{1}{2}$ mile upstream from high-water line of McConaughy Lake, 1 mile southeast of Lewellen and 365 miles downstream from Pathfinder Reservoir. Data of north and south gages are 3,283.6 and 3,284.7 feet above mean sea level, respectively, datum of 1929.

DRAINAGE AREA:—28,500 square miles.

RECORDS AVAILABLE:—July to September, 1931, December, 1940, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 4,830 second-feet June 16; minimum daily, 645 second-feet July 14.

Water year 1946: Maximum discharge, 3,080 second-feet October 3; minimum daily, 170 second-feet August 6.

1931, 1940-46: Maximum discharge, 8,380 second-feet May 16, 1942; minimum daily, 81 second-feet August 15, 1941.

REMARKS:—Records good except those for periods of ice effect, November 24 to December 31, 1944, January 1 to March 7, December 10-31, 1945, January 1 to February 22, 1946, or no gage height record, September 1-3, 1945, which are poor. Flow regulated by several reservoirs above station. River flows in two channels for which separate records are computed; figures given herein represent combined flow.

NORTH PLATTE RIVER NEAR KEYSTONE

LOCATION:—Water-stage recorder, in SW $\frac{1}{4}$ Section 1, Township 14 North, Range 38 West, about $\frac{1}{4}$ mile downstream from diversion dam of Sutherland reservoir supply canal, 2 $\frac{1}{2}$ miles southwest of Keystone and 388 miles downstream from Pathfinder Reservoir.

RECORDS AVAILABLE:—July to September, 1939, May to September, 1940, January to May, 1941, March, 1942, to September, 1946.

EXTREMES (regulated):—Water year 1945: Maximum discharge, 2,640 second-feet July 30 (gage height, 5.78 feet); an observation of no flow was made on March 21.

NORTH PLATTE RIVER NEAR KEYSTONE—CONCLUDED

Water year 1946: Maximum discharge, 2,630 second-feet July 22 (gage height, 5.43 feet); minimum daily, 3 second-feet on many days.

1939, 40, 41, 42-46: Maximum discharge, 3,700 second-feet July 31, 1944, (from rating curve extended above 2,000 second feet); maximum gage height, 5.78 feet July 30, 1945; an observation of no flow was made on March 21, 1945.

REMARKS:—Records fair except those for periods of no gage-height record, January 5-13, January 15 to May 11, December 16-31, 1945, January 1 to February 24, which are poor. Flow completely regulated by McConaughy Lake (capacity 2,300,000 acre-feet).

NORTH PLATTE RIVER NEAR SUTHERLAND

LOCATION:—Water-stage recorder, in Section 4, Township 14 North, Range 33 West, at highway bridge, 2½ miles upstream from Birdwood Creek, 3½ miles north of Sutherland and 405 miles downstream from Pathfinder Reservoir.

DRAINAGE AREA:—31,700 square miles.

RECORDS AVAILABLE:—July to September, 1931, June to September, 1932, April, 1936, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 2,000 second feet August 2; minimum daily, 13 second-feet July 7.

Water year 1946: Maximum discharge, 2,020 second-feet July 24; minimum daily, 9 second-feet September 29, 30.

1931, 1932, 1936-46: Maximum discharge, 3,770 second-feet April 29, 1938 (gage height, 4.95 feet); no flow July 20-28, 1940.

REMARKS:—Records good except those for periods of ice effect, November 18-24, December 22-31, 1944, January 1-17, 23-28, January 31 to February 8, February 22-28, March 3-9, December 9-31, 1945, January 1 to February 17, 1946, which are poor. Flow regulated by McConaughy Lake.

NORTH PLATTE RIVER AT NORTH PLATTE

LOCATION:—Water-stage recorder, in Section 28, Township 14 North, Range 30 West, at bridge on U. S. Highway 183, ½ mile north of city of North Platte, 4½ miles upstream from confluence with South Platte River and 422 miles downstream from Pathfinder Reservoir. Datum of gage is 2,794.9 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—32,000 square miles.

RECORDS AVAILABLE:—February, 1895, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 2,650 second-feet August 5; minimum daily, 200 second-feet March 6.

NORTH PLATTE RIVER AT NORTH PLATTE—CONCLUDED

Water year 1946: Maximum discharge, 2,060 second-feet July 23; minimum daily, 190 second-feet January 31.

1895-1946: Maximum daily discharge, 27,100 second-feet June 6, 1909; minimum daily, 20 second-feet September 20, 1904.

REMARKS:—Records good except those for periods of ice effect, November 17 to December 7, December 21-31, 1944, January 1 to March 9, November 23-25, December 9-31, 1945, January 1 to February 16, 1946, which are poor. Flow regulated by several reservoirs above station.

SOUTH PLATTE RIVER AT JULESBURG, COLORADO

LOCATION:—Water-stage recorders in Section 33, Township 12 North, Range 44 West, about 1 mile south of Julesburg, Colorado, on Highway No. 51, 4 miles upstream from Colorado-Nebraska State line. The river is divided into four channels, numbered 1, 2, 3, and 4, beginning with the south channel. During the last 14 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. Datum of gage is 3,446.76 feet above mean sea level.

DRAINAGE AREA:—22,800 square miles (revised).

RECORDS AVAILABLE:—April, 1902, to November, 1906; May, 1908, to September, 1914; January, 1923, to September, 1946.

EXTREMES:—Maximum daily discharge, 30,800 second-feet June 16, 1921. Minimum daily discharge 1 second-foot August 18, 19 and 20, 1902, and 1 second-foot July 20 to August 16, 1903.

REMARKS:—Records fair since 1926. Some records prior to 1926 are not complete for entire year. The published record represents the combined flow of all four channels. Flow partly regulated by reservoirs in Colorado. Maintained by the State of Colorado and the State of Nebraska.

SOUTH PLATTE RIVER AT PAXTON

LOCATION:—Water-stage recorder, in Section 8, Township 13 North, Range 35 West, at highway bridge $\frac{1}{2}$ mile south of Paxton. Datum of gage is 3,048.84 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—23,600 square miles.

RECORDS AVAILABLE:—August, 1939, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 1,360 second-feet August 16 (gage height, 3.33 feet); minimum daily, 19 second-feet October 1.

SOUTH PLATTE RIVER AT PAXTON—CONCLUDED

Water year 1946: Maximum discharge not determined, occurred during period of ice effect; minimum daily, 3 second-feet August 19-21.

1939-46: Maximum discharge, 16,900 second-feet May 7, 1942, maximum gage height, 8.0 feet April 30, 1942; minimum daily discharge, 0.1 second-foot September 26-29, 1940.

REMARKS:—Records good except those for periods of ice effect, November 25 to December 19, 1944, December 15, 1945, to February 11, 1946, or no gage height record, April 19-22, 1946, which are poor. Flow partly regulated by reservoirs and canals in Colorado.

SOUTH PLATTE RIVER AT NORTH PLATTE

LOCATION:—Water-stage recorder, in Section 9, Township 13 North, Range 30 West, at bridge on U. S. Highway 183, $\frac{3}{4}$ mile south of city of North Platte and 4 miles upstream from confluence with North Platte River. Datum of gage is 2,795.20 feet above mean sea level (city of North Platte bench mark). Prior to July 19, 1945, at datum 1.02 foot higher.

DRAINAGE AREA:—24,300 square miles.

RECORDS AVAILABLE:—April, 1915, to September, 1946 (fragmentary prior to March, 1922).

EXTREMES:—Water year 1945: Maximum discharge, 1,250 second-feet August 28 (gage height, 3.01 feet); minimum daily, 99 second-feet October 1.

Water year 1946: Maximum discharge, 1,470 second-feet January 7; minimum daily, 65 second-feet August 21.

1915-46: Maximum discharge observed, 37,100 second-feet June 3, 1935 (gage height, 9.12 feet, present datum); no flow at times during summers of most years prior to 1938.

REMARKS:—Records good except for periods of ice effect November 30 to December 11, December 23-31, 1944, January 1-14, January 31 to February 8, December 11-31, 1945, January 1-5, January 30 to February 15, 1946, or no gage-height record, November 8, 9, 1944, which are poor. Flow partly regulated by reservoirs and canals in Colorado.

PLATTE RIVER AT BRADY

LOCATION:—Water-stage recorders (two channels), in Sections 11 and 23, Township 12 North, Range 27 West, at highway bridges on county road south of Brady, 18 miles downstream from confluence of North Platte and South Platte Rivers and 444 miles downstream from Pathfinder Reservoir.

PLATTE RIVER AT BRADY—CONCLUDED

RECORDS AVAILABLE:—April to September, 1937, May, 1938, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 1,570 second-feet August 22; minimum daily, 92 second-feet September 6.

Water year 1946: Maximum discharge, 1,200 second-feet July 25; minimum daily, 85 second-feet June 16.

1937, 1938-46: Maximum discharge, 15,400 second-feet May 7, 1942; no flow August 22-24, 1941.

REMARKS:—Records good except those for periods of ice effect, November 27 to December 31, 1944, January 1 to March 9, December 9-31, 1945, January 1 to February 19, March 5-8, 1946, or no gage height record, October 8, 9, 1944, which are poor. Flow regulated by several reservoirs above station. Tri-County main supply canal (capacity about 2,000 second-feet) diverts water from river 8 miles above station; diversion started November 26, 1940. River flows in two channels for which separate records are computed; figures given herein represent combined flow.

PLATTE RIVER NEAR COZAD

LOCATION:—Water-stage recorders (two channels), in Section 18, Township 10 North, Range 23 West, at county highway bridges $1\frac{1}{2}$ miles south of Cozad and 470 miles downstream from Pathfinder Reservoir.

DRAINAGE AREA:—57,200 square miles (approx.).

RECORDS AVAILABLE:—July to September, 1932, October, 1936, to September, 1937 (fragmentary), May to September, 1938, March, 1939, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 2,030 second-feet June 10; minimum daily, 23 second-feet August 17.

Water year 1946: Maximum discharge, 577 second-feet January 11; minimum daily, 10 second-feet July 23.

1932, 1936-37, 1938, 1939-46: Maximum discharge, 16,600 second-feet May 10, 1942; no flow at times 1937-40.

REMARKS:—Records good except those for periods of ice effect, November 25 to December 31, 1944, January 1 to March 12, November 23, December 4-31, 1945, January 1-10, January 31 to February 10, 1946, or no gage-height record, October 17-24, 1945, which are poor. Flow partly regulated by several reservoirs above station. Jeffrey power return enters river just above station. River flows in two channels for which separate records are computed; figures given herein represent combined discharge.

PLATTE RIVER NEAR OVERTON

LOCATION:—Water-stage recorder, in Section 12, Township 8 North, Range 20 West, at highway bridge, 4 miles south of Overton, 4 miles downstream from Plum Creek and 490 miles downstream from Pathfinder Reservoir.

DRAINAGE AREA:—58,400 square miles.

RECORDS AVAILABLE:—June, 1918, to December, 1923, January, 1925, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 5,530 second-feet June 11; minimum daily, 33 second-feet July 30.

Water year 1946: Maximum discharge, 3,490 second-feet March 16; minimum daily, 52 second-feet June 29.

1918-23, 1925-46: Maximum discharge, 37,600 second-feet June 5, 1935 (gage height, 6.25 feet), from rating curve extended above 18,000 second-feet flow at times during 1925, 1927, 1928, 1930-41.

REMARKS:—Records fair except those for periods of ice effect, December 10-31, 1944, January 1-9, February 1-3, 17-22, March 4-6, December 10-31, 1945, January 1-9, January 26 to February 3, 1946, which are poor. Flow regulated by several reservoirs above station.

PLATTE RIVER NEAR ODESSA

LOCATION:—Water-stage recorder, in Section 16, Township 8 North, Range 17 West, at highway bridge $2\frac{1}{2}$ miles south of Odessa, 5 miles downstream from Elm Creek and 505 miles downstream from Pathfinder Reservoir.

DRAINAGE AREA:—58,800 square miles.

RECORDS AVAILABLE:—March, 1937, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 6,410 second-feet June 10; no flow August 12.

Water year 1946: Maximum discharge, 3,220 second-feet March 8; no flow August 20, 21, 31.

1937-46: Maximum discharge, 17,500 second-feet May 10, 1942; no flow for periods in each year.

REMARKS:—Records fair except those for periods of ice effect, November 30 to December 31, 1944, January 1 to February 28, March 6-8, December 9-31, 1945, January 1 to February 19, 1946, or no gage height record, March 1, April 3, 4, 15, 16, 1945, which are poor. Flow regulated by several reservoirs above station.

PLATTE RIVER NEAR GRAND ISLAND

LOCATION:—Water-stage recorder, in Section 36, Township 11 North, Range 9 West, at bridge on U. S. Highway 34, 2 miles upstream from Chicago, Burlington & Quincy Railroad bridge, 5 miles

PLATTE RIVER NEAR GRAND ISLAND—CONCLUDED

southeast of Grand Island and 560 miles downstream from Pathfinder Reservoir.

DRAINAGE AREA:—59,500 square miles.

RECORDS AVAILABLE:—May, 1933, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 6,420 second-feet June 11; minimum daily, 5 second-feet August 2.

Water year 1946: Maximum discharge, 4,150 second-feet March 17; no flow August 15-24.

1933-46: Maximum discharge, 30,000 second-feet June 6, 1935 (gage height, 5.99 feet), from rating curve extended above 14,000 second-feet; no flow at times during 1934-44, 1946.

REMARKS:—Records good except those for periods of ice effect, November 27 to December 31, 1944, January 1 to February 12, February 21-23, November 22-26, December 9-31, 1945, January 1 to February 21, 1946, or no gage-height record, July 3-5, August 1-8, 11, 12, which are poor. Flow regulated by several reservoirs above station. Maximum discharge for period of record is corrected figure; revised daily discharges for the high-water period in June, 1935, may be found in U. S. G. S. Water Supply Paper 956.

PLATTE RIVER NEAR DUNCAN

LOCATION:—Water-stage recorder in Section 12, Township 16 North, Range 2 West, at highway bridge $1\frac{1}{2}$ miles south of Duncan, 12 miles upstream from Loup River and 632 miles downstream from Pathfinder Reservoir. Datum of gage is 1,478.55 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—61,600 square miles.

RECORDS AVAILABLE:—October, 1928, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 6,700 second-feet June 12; minimum daily, 11 second-feet September 16.

Water year 1946: Maximum discharge, 4,430 second-feet March 18; minimum daily, 1 second-foot August 3, September 1, 5.

1928-46: Maximum discharge, 30,000 second-feet June 7, 1935 (gage height, 6.28 feet); no flow at times.

REMARKS:—Records good except those for periods of ice effect, November 26 to December 31, 1944, January 1 to February 13, February 17-22, 26-28, March 6-8, November 21-26, December 2, 3, 10-31, 1945, January 1 to February 23, 1946, or no gage height record, October 7-9, 1944, August 13-16, 1945, which are fair. Flow partly regulated by several reservoirs above station. Maximum discharge for period of records is corrected figure; revised daily discharges for the high-water period in June, 1935, may be found in the U. S. G. S. Water Supply Paper 956.

PLATTE RIVER NEAR ASHLAND

LOCATION:—Water-stage recorder, in Section 29, Township 13 North, Range 10 East, $\frac{1}{2}$ mile upstream from Chicago, Burlington & Quincy Railroad bridge and bridge on U. S. Highway 6, $2\frac{1}{2}$ miles upstream from Salt Creek, 3 miles northeast of Ashland, and 719 miles downstream from Pathfinder Reservoir. Datum of gage is 1,054.79 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—83,800 square miles.

RECORDS AVAILABLE:—August, 1928, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 36,800 second-feet June 11 (gage height, 6.17 feet); minimum daily, 1,160 second-feet September 12.

Water year 1946: Maximum discharge, 21,800 second-feet June 19 (gage height, 5.23 feet); minimum daily, 553 second-feet August 21.

1928-46: Maximum discharge, 107,000 second-feet June 12, 1944, includes overbank flow caused by breaking of dikes; maximum gage height, 8.33 feet March 5, 1936 (site then in use), ice jam; minimum daily discharge, 265 second-feet August 18, 1941.

REMARKS:—Records good except those for periods of ice effect, November 29, 1944, to March 10, 1945, November 22, 1945, to February 22, 1946, which are fair. Flow partly regulated by several reservoirs above station.

ARIKAREE RIVER AT HAIGLER

LOCATION:—Water-stage recorder in Section 28, Township 1 North, Range 41 West, $\frac{1}{2}$ mile northwest of Haigler, $\frac{1}{4}$ mile downstream from bridge on U. S. Highway 34, $1\frac{1}{4}$ miles upstream from mouth. Datum of gage is 3,242.36 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—1,600 square miles.

RECORDS AVAILABLE:—March, 1932 to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge not determined; minimum daily, 0.1 second-foot August 1-6.

Water year 1946: Maximum discharge, 3,830 second-feet July 19 (gage height, 7.20 feet); no flow July 12, August 16-20.

1932-46: Maximum discharge, 50,000 second-feet May 31, 1935 (gage height, 12.2 feet, present datum, from floodmarks) by slope-area method; no flow for periods in most years.

REMARKS:—Records poor.

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD

LOCATION:—Water-stage recorder in SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 5 (revised), Township 20 North, Range 52 West, about 800 feet downstream from Alliance Canal Diversion and 1 $\frac{1}{4}$ miles southwest of Bayard.

RECORDS AVAILABLE:—October, 1931 to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 280 second-feet August 2 (gage height, 3.48 feet), from rating curve extended above 120 second-feet; minimum daily, 12 second-feet May 25.

Water year 1946: Maximum discharge, 170 second-feet October 1 (gage height, 2.55 feet); minimum daily, 5.2 second-feet May 27.

1931-46: Maximum discharge, 383 second-feet June 10, 1941 (gage height, 3.62 feet), from rating curve extended above 120 second-feet; no flow June 1, 2, July 4-8, 1934, May 16, 17, 1936.

REMARKS:—Records good except those for periods of no gage-height record, November 27-29, 1944, February 11-15, 1946, which are fair.

BEAVER CREEK NEAR BEAVER CITY

LOCATION:—Wire-weight gage in W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 23, Township 2 North, Range 23 West, at bridge on U. S. Highway 283, 3 $\frac{1}{2}$ miles west of Beaver City. Datum of gage is 2,164.96 feet above mean sea level, datum of 1929. Prior to August 22, 1945, chain gage at same site and datum.

DRAINAGE AREA:—1,940 square miles.

RECORDS AVAILABLE:—May, 1937 to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 282 second-feet July 12 (gage height, 5.4 feet, from graph based on gage readings); minimum daily, 0.8 second-feet September 23, 24.

Water year 1946: Maximum discharge, 454 second-feet May 30 (gage height, 7.12 feet, from graph based on gage readings); no flow December 25-27.

1937-46: Maximum discharge, 3,800 second-feet July 19, 1944 (gage height, 13.8 feet, from floodmark); no flow at times during 1937-1940, 1946.

REMARKS:—Records poor.

BEAVER CREEK AT LORETTO

LOCATION:—Water-stage recorder in E $\frac{1}{2}$ Section 26, Township 21 North, Range 7 West, at west edge of Loretto and just downstream from county highway bridge. Prior to August 17, 1946, at site 60 feet upstream from county bridge, same datum. Prior to May 17, 1945, staff gage at county bridge, same datum.

BEAVER CREEK AT LORETTO—CONCLUDED

DRAINAGE AREA:—311 square miles.

RECORDS AVAILABLE:—October, 1944 to September, 1946.

EXTREMES:—Water year 1945: Maximum stage and discharge not determined; minimum daily discharge, 29 second-feet September 7-8.

Water year 1946: Maximum discharge, 935 second-feet May 30 (gauge height, 8.15 feet); minimum daily, 22 second-feet August 2.

1944-46: Maximum discharge recorded, that of May 30, 1946 (may have been exceeded by flood in May, 1945 for which no record was obtained); minimum daily, that of August 2, 1946.

REMARKS:—Records fair except those for periods of ice effect, November 27 to December 31, 1944, January 1-12, 28-31, February 1-7, 16-21, 25-28, March 4-7, November 21-26, December 3-5, 10-31, 1945, January 1 to February 14, 1946, or no gage-height record, October 1-12, 1944, April 17-20, May 15-17, May 27 to June 5, July 1-6, 9-11, 1945, April 18-22, September 8, 1946, which are poor.

BEAVER CREEK AT GENOA

LOCATION:—Water-stage recorder in W½SE¼ Section 14, Township 17 North, Range 4 West, at bridge on State Highway 22, ⅙ mile upstream from Union Pacific Railroad bridge, 1 mile southwest of Genoa, and about 3 miles upstream from mouth.

DRAINAGE AREA:—603 square miles.

RECORDS AVAILABLE:—October, 1940 to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 1,120 second-feet June 9 (gauge height, 6.32 feet); minimum daily, 40 second-feet September 8-10.

Water year 1946: Maximum discharge, 1,870 second-feet May 30 (gauge height, 8.92 feet); minimum daily, 27 second-feet August 3.

1940-46: Maximum discharge, 3,930 second-feet June 21, 1942 (gauge height, 15.5 feet, from flood marks); minimum discharge observed, 21 second-feet July 29, August 15, 1941.

REMARKS:—Records good except those computed from chain gage readings, April 22-24, 1945, which are fair, and those for periods of ice effect, November 29 to December 31, 1944, January 1 to February 11, February 17-19, 25-28, March 5-8, November 22-28, December 9-31, 1945, January 1 to February 23, 1946, which are poor.

BIRDWOOD CREEK NEAR HERSHEY

LOCATION:—Water-stage recorder in NE¼NW¼ Section 2, Township 14 North, Range 33 West, at bridge on county road, 1 mile upstream from mouth and 5 miles northwest of Hershey.

BIRDWOOD CREEK NEAR HERSHEY—CONCLUDED

DRAINAGE AREA:—286 square miles.

RECORDS AVAILABLE:—May to September, 1920, January, 1922 to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 398 second-feet August 21; minimum daily, 105 second-feet September 11.

Water year 1946: Maximum discharge, 466 second-feet June 17; minimum daily, 75 second-feet January 30.

1920-46: Maximum daily discharge, 850 second-feet October 12, 1930: minimum discharge, 30 second-feet January 19, 1935, from rating curve extended below 100 second-feet.

REMARKS:—Records good except those for periods of ice effect, December 1-4, 21-30, 1944, January 1-6, February 1, 2, December 9-31, 1945, January 30 to February 3, 1946, or no gage-height record, October 1-16, 27, 1944, March 26, 1945, January 1-6, April 25-27, May 10, 24, 1946, which are poor.

BLACKWOOD CREEK NEAR CULBERTSON

LOCATION:—Water-stage recorder in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 10, Township 3 North, Range 31 West, 60 feet upstream from bridge on U. S. Highway 6 and 34, 1 $\frac{1}{4}$ miles east of Culbertson, and 2 miles upstream from mouth. Datum of gage is 2,555.25 feet above mean sea level, datum of 1929.

RECORDS AVAILABLE:—May to September, 1946.

EXTREMES:—Maximum discharge during period May 30 to September 30, 1946, 394 second-feet June 18 (gage height, 7.17 feet); minimum daily, 0.2 second-foot September 30.

REMARKS:—Records fair.

BLUE CREEK NEAR LEWELLEN

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ Section 30, Township 16 North, Range 42 West, 60 feet downstream from county highway bridge, $\frac{1}{2}$ mile downstream from bridge on U. S. Highway 26, $\frac{3}{4}$ mile upstream from mouth, and 1 $\frac{1}{2}$ miles west of Lewellen.

DRAINAGE AREA:—267 square miles.

RECORDS AVAILABLE:—June, 1919 to September, 1946 (1919 and 1920, irrigation season only).

EXTREMES:—Water year 1945: Maximum discharge, 161 second-feet April 17 (gage height, 2.25 feet); minimum daily, 0.5 second-foot July 13-15.

Water year 1946: Maximum discharge, 134 second-feet February 1; maximum gage height not determined; minimum daily discharge, 0.1 second-foot August 25, 26.

BLUE CREEK NEAR LEWELLEN—CONCLUDED

1919-46: Maximum discharge, 720 second-feet May 20, 1938, from rating curve extended above 150 second-feet; no flow July 3, 4, 1921, October 22, 1940.

REMARKS:—Records good October 1, 1944 to June 9, 1946, fair June 10 to September 20, 1946, except those for periods of ice effect November 27 to December 2, December 11, 25-29, 1944, January 2, 3, March 4-7, December 11-31, 1945, January 1-5, 1946, or no gage-height record, January 22, November 9, 10, 23, 24, December 4-10, 1945, March 17, July 19, September 6, 7, 1946, which are poor.

BLUE RIVER, BIG, NEAR CRETE

LOCATION:—Wire-weight gage in S½ Section 3, Township 7 North, Range 4 East, at bridge on State Highway 82, 1¼ miles south of Crete and 3.3 miles downstream from Walnut Creek. Datum of gage is 1,511.5 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—2,970 square miles.

RECORDS AVAILABLE:—April, 1945 to September, 1946. (Medium and high flows only.)

EXTREMES:—Period April to September, 1945: Maximum discharge, 7,900 second-feet June 17 (gage height, 22.55 feet).

Water year 1946: Maximum discharge, 5,800 second-feet June 21 (gage height, 20.79 feet).

REMARKS:—Records good. Stage-discharge relation below about 10 feet affected by available backwater from power dam downstream; discharge computed only for stages above 10 feet.

BLUE RIVER, BIG, AT BARNSTON

LOCATION:—Water-stage recorder in NE¼ SW¼ Section 13, Township 1 North, Range 7 East, in tailwater of power plant, ¾ mile northwest of Barnston, 2 miles upstream from Plum Creek, and 5 miles upstream from Nebraska-Kansas State line.

DRAINAGE AREA:—4,680 square miles (revised).

RECORDS AVAILABLE:—October, 1932 to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 26,900 second-feet May 22 (gage height, 27.93 feet); minimum daily, 40 second-feet September 16.

Water year 1946: Maximum discharge, 8,770 second-feet July 16 (gage height, 19.25 feet); minimum daily, 1 second-foot November 30.

1932-46: Maximum discharge, 57,700 second-feet June 9, 1941 (gage height, 34.3 feet); minimum daily, that of November 30, 1945.

REMARKS:—Records good except those for periods of ice effect December 22, 24-26, 1944, January 8, 11, December 14-31, 1945, January 1-17, 1946, which are fair.

BLUE RIVER, LITTLE, NEAR ENDICOTT

LOCATION:—Water-stage recorder in Section 6, Township 1 North, Range 3 East, 300 feet downstream from County highway bridge, 1½ miles upstream from Chicago, Burlington, and Quincy Railroad bridge and 2 miles northwest of Endicott.

DRAINAGE AREA:—2,340 square miles (revised).

RECORDS AVAILABLE:—October, 1930, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 23,100 second-feet May 27 (gage height, 14.17 feet), from rating curve extended above 11,000 second-feet; minimum daily, 94 second-feet September 20.

Water year 1946: Maximum discharge, 2,520 second-feet June 21 (gage height, 8.63 feet); minimum daily, 60 second-feet December 17, 19.

1930-46: Maximum discharge, 25,800 second-feet June 9, 1941 (gage height, 16.23 feet); minimum, 14 second-feet November 22, 1929 (discharge measurement).

REMARKS:—Records good except those above 4,000 second-feet and those for periods of ice effect, November 26-30, December 1-3, 19-31, 1944, January 1-12, 30, 31, February 1-4, March 5-7, December 9-31, 1945, January 1-31, February 1-3, 10, 11, 15, 1946, or no gage-height record, March 17-20, April 12-19, October 23-30, November 9-14, 1945, July 24-28, 1946, which are poor.

BUFFALO CREEK NEAR HAIGLER

LOCATION:—Water-stage recorder in NW¼ Section 20, Township 1 North, Range 40 West, just downstream from county highway bridge, ¾ mile upstream from mouth, and 4 miles northeast of Haigler. Datum of gage is 3,204.57 feet above mean sea level, datum of 1929.

RECORDS AVAILABLE:—February to November, 1922, January, 1924, to September, 1931, October, 1940, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 63 second-feet September 27 (gage height, 3.89 feet); minimum daily, 1.5 second-feet July 31, August 1.

Water year 1946: Maximum discharge, 35 second-feet March 16; maximum gage height, 4.56 feet December 15, backwater from ice; minimum daily discharge, 0.9 second-foot August 20, 21.

1922, 1924-31, 1940-46: Maximum discharge, 92 second-feet September 2, 1942; maximum gage height, 4.56 feet December 15, 1946, backwater from ice; no flow September 8 to October 10, 1922.

REMARKS:—Records fair except those for periods of ice effect, November 25-27, November 30 to December 2, December 11, 12, 23-31, 1944, January 1-3, 29-31, December 9-29, 1945, January 12-14, 27, 28, 31, February 1, 6, 7, 14, 1946, or doubtful gage-height record, April 17 to May 7, 1945, which are poor.

CALAMUS RIVER NEAR BURWELL

LOCATION:—Water-stage recorder in NW¼ Section 9, Township 21 North, Range 16 West, 300 feet downstream from county highway bridge, 1½ miles upstream from mouth, and 3 miles northwest of Burwell. Prior to April 20, 1945, staff gage at county bridge 300 feet upstream at same datum.

DRAINAGE AREA:—1,210 square miles (includes about 150 square miles of closed basin in sand hills area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—October, 1940, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 418 second-feet July 16; maximum gage height not determined, occurred during period of backwater from ice; minimum daily discharge, 180 second-feet January 2.

Water year 1946: Maximum daily discharge, 680 second-feet January 3; maximum gage height, 3.31 feet January 2; minimum daily discharge, 100 second-feet February 5, 6.

1940-46: Maximum daily discharge, 770 second-feet March 20, 1943; maximum gage height observed, 3.64 feet January 20, 1941, ice jam; minimum daily discharge, that of February 5, 6, 1946.

REMARKS:—Records fair October, 1944, to April, 1945, good May, 1945, to September, 1946, except those for periods of ice effect, November 25 to December 4, December 10-14, 18-31, 1944, January 1-13, 29-31, February 1-6, 17-20, November 24, 25, December 2-5, 9-31, 1945, January 1-3, 13, 14, 19-22, 30, 31, February 1-17, 1946, or no gage-height record, November 22-24, December 6, 1944, February 8, 9, March 1-11, 1945, which are poor.

CEDAR RIVER NEAR SPALDING

LOCATION:—Water-stage recorder in NW¼ Section 5, Township 20 North, Range 10 West, 40 feet downstream from county highway bridge, 10½ miles northwest of Spalding.

DRAINAGE AREA:—638 square miles.

RECORDS AVAILABLE:—March, 1945, to September, 1946.

EXTREMES:—March to September, 1945: Maximum discharge, 497 second-feet July 16 (gage height, 3.74 feet) from rating curve extended above 300 second-feet; minimum discharge not determined, probably occurred during period of no gage-height record.

Water year 1946: Maximum discharge, 284 second-feet June 19 (gage height, 3.02 feet); minimum daily, 30 second-feet January 30.

1945-46: Maximum discharge, that of July 16, 1945; minimum daily, that of January 30, 1946.

REMARKS:—Records poor March, 1945, to June, 1946, fair July to September, 1946.

CEDAR RIVER NEAR FULLERTON

LOCATION:—Water-stage recorder and staff gage on line between SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 33, Township 17 North, Range 6 West and NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 4, Township 16 North, Range 6 West, at bridge on State Highway 52, 3 miles northwest of Fullerton and 5 $\frac{1}{4}$ miles upstream from mouth.

DRAINAGE AREA:—1,180 square miles.

RECORDS AVAILABLE:—October, 1940, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 1,850 second-feet May 27; maximum gage height, 5.16 feet March 9; minimum daily discharge, 70 second-feet February 17.

Water year 1946: Maximum discharge, 4,580 second-feet May 30 (gage height, 7.19 feet); minimum daily, 65 second-feet December 17.

1940-46: Maximum discharge observed, 6,500 second-feet June 22, 1941; maximum gage height, 9.12 feet February 3, 1943, backwater from ice; minimum daily discharge, 40 second-feet March 16, 17, 20, 1943.

REMARKS:—Records good except those computed from staff gage readings, October 1-10, 25-31, November 1-6, 1944, May 16, 17, October 7-11, 1945, April 9-12, May 8-13, 15-19, 1946, which are fair, and those for periods of ice effect, November 30 to December 31, 1944, January 1 to March 8, November 22 to December 3, December 9-31, 1945, January 1 to February 21, 1946, which are poor.

DISMAL RIVER AT DUNNING

LOCATION:—Staff gage in Section 4, Township 21 North, Range 24 West, at bridge on State Highway 2, at southeast corner of Dunning and 1 mile upstream from confluence with Middle Loup River. Datum of gage is 2,606.3 feet above mean sea level, datum of 1929.

RECORDS AVAILABLE:—September, 1945 to September, 1946.

EXTREMES:—Maximum daily discharge during period September 12, 1945, to September 30, 1946, 530 second-feet February 4; minimum daily, 245 second-feet July 1, 11.

REMARKS:—Records fair September, 1945 to February, 1946 and good thereafter except those for periods of ice effect December 8-31, 1945, January 1-5, 27-30, February 1-10, 1946, which are poor.

DRIFTWOOD CREEK NEAR McCOOK

LOCATION:—Water-stage recorder in SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 12, Township 2 North, Range 30 West, at county highway bridge, 4 miles southwest of McCook and 4 $\frac{1}{2}$ miles upstream from mouth.

RECORDS AVAILABLE:—March to September, 1946.

EXTREMES:—Maximum discharge during period March 11 to

DRIFTWOOD CREEK NEAR MCCOOK—CONCLUDED

September 30, 1946, 3,390 second-feet September 9 (gage height, 20.56 feet); no flow on many days.

REMARKS:—Records poor.

ELKHORN RIVER AT NELIGH

LOCATION:—Water-stage recorder in Section 20, Township 25 North, Range 6 West, at Neligh just downstream from bridge on State Highway 14.

DRAINAGE AREA:—2,200 square miles (includes about 400 square miles of closed basin in sand hills area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—March, 1931, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 1,210 second-feet June 10 (gage height, 5.59 feet); minimum daily, 68 second-feet September 7.

Water year 1946: Maximum discharge, 1,260 second-feet May 24 (gage height, 5.61 feet); minimum daily, 63 second-feet August 3.

1931-46: Maximum discharge observed, 4,610 second-feet June 3, 1935 (gage height, 9.44 feet); minimum daily discharge, 12 second-feet July 2, 1932.

REMARKS:—Records good except those for periods of ice effect, November 30 to December 6, December 11-14, 17, 18, 21-31, 1944, January 1 to February 11, February 18-20, 23, 27, 28, March 3-8, November 22-25, December 9-31, 1945, January 1 to February 22, 1946, or no gage-height record, September 14, 1945, which are fair.

ELKHORN RIVER AT NORFOLK

LOCATION:—Wire-weight gage in NW¼ NW¼ Section 3, Township 23 North, Range 1 West, at bridge on U. S. Highway 81, 1 mile south of Norfolk and ¾ miles upstream from North Branch.

RECORDS AVAILABLE:—October, 1945, to September, 1946.

EXTREMES:—Maximum discharge observed during year, 1,800 second-feet May 30 (gage height, 5.40 feet); minimum daily discharge, 60 second-feet December 10, 11.

REMARKS:—Records good except those for periods of ice effect, November 21-25, December 4 to February 27, which are poor.

ELKHORN RIVER AT WATERLOO

LOCATION:—Water-stage recorder in SE¼ Section 21, Township 16 North, Range 10 East, just downstream from Rawhide Creek and ½ miles north of Waterloo.

ELKHORN RIVER AT WATERLOO—CONCLUDED

DRAINAGE AREA:—6,900 square miles (includes about 400 square miles of close basin in sand hills area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—July, 1940, to September, 1946. October, 1930, to July 1940, at site at Waterloo, 4½ miles downstream. April to September, 1915, at site 10 miles upstream published as Elkhorn River near Arlington.

EXTREMES:—Water year 1945: Maximum discharge, 13,600 second-feet July 17; maximum gage height, 8.40 feet March 12, backwater from ice; minimum daily discharge, 180 second-feet December 2.

Water year 1946: Maximum discharge, 5,720 second-feet February 7 (gage height, 4.80 feet); minimum daily, 220 second-feet December 12.

1915, 1930-46: Maximum discharge, 100,000 second-feet June 12, 1944 (gage height, 16.6 feet, from flood mark in gage well), from current meter measurement of main channel and velocity-area studies of overflow section; minimum observed, 50 second-feet November 12, 1940.

REMARKS:—Records good except those for periods of ice effect, November 28 to December 31, 1944, January 1 to February 12, March 10-12, November 22-30, December 9-31, 1945, January 1 to February 6, 1946, and those for periods of doubtful or no gage-height record, February 15-20, May 12-15, 31, June 1, September 4-17, 1945, which are fair.

FRENCHMAN RIVER BELOW CHAMPION

LOCATION:—Water-stage recorder in SW¼ Section 22, Township 6 North, Range 39 West, 0.4 mile downstream from bridge on State Highway 48 at Champion and ¾ mile upstream from Sand Creek.

RECORDS AVAILABLE:—March, 1935, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 769 second-feet September 28 (gage height, 5.77 feet); minimum daily, 18 second-feet May 24.

Water year 1946: Maximum discharge, 653 second-feet September 11 (gage height, 5.22 feet); minimum daily, 16 second-feet June 22.

1935-46: Maximum discharge, 11,600 second-feet June 7, 1940 (gage height, 13.7 feet), by slope-area method, minimum daily, 5 second-feet March 27, 29, April 3, July 3, 1938.

REMARKS:—Records good except those for periods of no gage-height record, November 5-14, November 28 to December 13, December 15-26, 1944, April 30 to May 15, 1945, which are poor.

FRENCHMAN RIVER NEAR IMPERIAL

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ Section 3, Township 5 North, Range 38 West, $\frac{1}{4}$ mile downstream from county highway bridge and 6 miles south of Imperial. (Formerly published as Frenchman River near Harvey Dam Site.)

RECORDS AVAILABLE:—January, 1924, to December, 1930, at site 2 miles upstream.

EXTREMES:—Water year 1945: Maximum discharge, 328 second-feet September 29 (gage height, 3.03 feet); minimum daily, 32 second-feet August 1.

Water year 1946: Maximum discharge, 284 second-feet September 11 (gage height, 2.76 feet); minimum daily, 23 second-feet June 17.

1924-30, 1940-46: Maximum discharge, 1,860 second-feet June 14, 1943 (gage height, 7.00 feet); an observation of no flow was made June 27, 1929.

REMARKS:—Records good except those for periods of no gage-height record, March 25 to April 3, June 16-25, 1945, which are fair.

FRENCHMAN RIVER NEAR ENDERS

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 10, Township 5 North, Range 37 West, just downstream from county bridge and 2 $\frac{1}{2}$ miles southeast of Enders.

RECORDS AVAILABLE:—February to September, 1946.

EXTREMES:—Maximum discharge during period February 3 to September 30, 1946, 244 second-feet September 12 (gage height, 4.50 feet); minimum daily, 53 second-feet August 10, June 17, 18.

REMARKS:—Records good.

FRENCHMAN RIVER NEAR HAMLET

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ Section 29, Township 5 North, Range 34 West, 120 feet downstream from county highway bridge and 1 $\frac{1}{2}$ miles east of Hamlet. Datum of gage is 2,797.61 feet above mean sea level, datum of 1929.

RECORDS AVAILABLE:—October, 1930, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 444 second-feet June 5 (gage height, 4.71 feet); minimum daily, 64 second-feet September 10.

Water year 1946: Maximum discharge, 986 second-feet September 9 (gage height, 7.45 feet); minimum daily, 60 second-feet December 19, August 11, 12.

1930-46: Maximum discharge, 2,400 second-feet June 7, 1940

FRENCHMAN RIVER NEAR HAMLET—CONCLUDED

(gage height, 10.95 feet, site and datum then in use); minimum daily 49 second-feet November 21, 1931.

REMARKS:—Records good except those for periods of ice effect, December 15, 1945, to January 3, 1946, which are poor.

FRENCHMAN RIVER AT CULBERTSON

LOCATION:—Chain gage in Section 17, Township 3 North, Range 31 West, at Culbertson, at bridge on State Highway 17 and 1½ miles upstream from mouth. Datum of gage is 2,561.93 feet above mean sea level, datum of 1929.

RECORDS AVAILABLE:—January, 1922, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 1,310 second feet September 27 (gage height, 5.78 feet, from graph based on gage readings); minimum daily, 19 second-feet September 9.

Water year 1946: Maximum discharge, 758 second-feet September 10 (gage height, 4.66 feet, from graph based on gage readings); minimum daily, 15 second-feet August 21.

1922-46: Maximum discharge, 15,000 second-feet (estimated) May 31, 1935; no flow August 19-25, 1929.

REMARKS:—Records good except those for period of ice effect, December 9, 1945, to January 12, 1946, which are poor.

GERING DRAIN NEAR GERING

LOCATION:—Staff gage in SE¼ Section 6, Township 21 North, Range 54 West, just upstream from Union Pacific Railroad bridge, 100 feet downstream from bridge on State Highway 86, 1¼ miles upstream from mouth, and 2 miles east of Gering.

RECORDS AVAILABLE:—January, 1923, to September, 1945.

EXTREMES:—Water year 1945: Maximum discharge, 1,600 second-feet August 1 (gage height, 9.1 feet, from floodmark); minimum daily, 23 second-feet May 11.

Water year 1946: Station not operated.

1923-45: Maximum discharge, 3,000 second-feet June 30, 1935 (gage height, 10.8 feet, site and datum then in use, from flood marks), from rating curve extended above 1,400 second-feet; minimum discharge observed, 1.6 second-feet February 14, 1923, July 25, 1923.

REMARKS:—Records fair except those for periods of no gage-height record, October 1, November 20-25, November 27 to December 31, 1944, January 1 to February 28, May 22-26, June 4, 1945, which are poor.

HORSE CREEK NEAR LYMAN

LOCATION:—Water-stage recorder in NE¼ Section 25, Township 23 North, Range 58 West, 250 feet upstream from county highway bridge, ¾ mile upstream from mouth, 1 mile downstream from Kiowa drain, and ¾ miles northeast of Lyman. Gage datum lowered 1.00 foot April 13, 1946.

DRAINAGE AREA:—1,860 square miles.

RECORDS AVAILABLE:—January, 1921, to September, 1946.

EXTREMES:—Water year 1945: Maximum gage height, 7.05 feet (present datum), discharge not determined; minimum daily discharge, 12 second-feet February 25.

Water year 1946: Maximum discharge, 396 second-feet May 4 (gage height, 3.43 feet); minimum daily, 17 second-feet April 30 to May 2.

1921-46: Maximum discharge, 1,970 second-feet May 19, 1938, site then in use, from rating curve extended above 850 second-feet; minimum daily, 1 second-foot January 4-8, 1942.

REMARKS:—Records good except those for periods of ice effect December 25, 1944, to January 5, 1945, February 26, March 5, 1945, January 31, February 1, 1946, or no gage-height record October 2-5, 1945, April 26-30, May 2, 1946, which are poor.

LODGEPOLE CREEK AT BUSHNELL

LOCATION:—Water-stage recorder in Section 33, Township 15 North, Range 57 West, ¼ mile south of U. S. Highway 30 and 1½ miles east of Bushnell. Datum of gage is 4,812.3 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—1,090 square miles.

RECORDS AVAILABLE:—January, 1924, to September, 1946.

EXTREMES:—Water year 1945: Maximum gage height, 5.25 feet June 23 (discharge not determined); minimum daily discharge, 7 second-feet November 25.

Water year 1946: Maximum daily discharge, 45 second-feet May 10; minimum daily, 6.7 second-feet September 26.

1925-46: Maximum gage height recorded, 6.8 feet August 27, 1933 (discharge not determined); minimum daily discharge, 2 second-feet April 11, 1935.

REMARKS:—Records good October, 1944, to April, 1946, fair May to September, 1946, except those for periods of no gage-height record February 9-15, May 11-16, August 7-20, 1946, which are poor.

LOGAN CREEK NEAR UEHLING

LOCATION:—Water-stage recorder on south line of SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 9, Township 20 North, Range 8 East, at county highway bridge, 2 miles southwest of Uehling and 8 miles upstream from mouth. Prior to October 5, 1945, chain gage at same site and datum.

DRAINAGE AREA:—1,030 square miles.

RECORDS AVAILABLE:—March, 1941, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge observed 3,940 second-feet June 6; maximum gage height observed, 16.40 feet March 10, ice jam; minimum daily discharge 25 second-feet December 11, 27.

Water year 1946: Maximum discharge, 1,500 second-feet June 29; maximum gage height, 10.90 feet February 6, backwater from ice; minimum daily discharge, 25 second-feet December 4, 8, 11, 12.

1941-46: Maximum discharge, 13,700 second-feet June 11, 1944 (gage height 17.65 feet, from floodmarks), from rating curve extended above 5,800 second-feet by area-velocity studies; minimum daily, 14 second-feet December 28, 1941, November 27, 1942.

Maximum stage known, 18.6 feet, from floodmarks, June 5, 1940 (discharge, 20,000 second-feet).

REMARKS:—Records fair October, 1944, to September, 1945, good October, 1945, to September, 1946, except those for periods of ice effect, November 26 to December 31, 1944, January 1 to March 13, November 9-11, November 21 to December 31, 1945, January 1 to February 20, 1946, or no gage-height record, October 1, 22, 29, November 2-5, 7, 8, 14, 19, 1944, April 8, May 13, July 1 to September 30, October 2-4, 1945, March 4 to April 3, August 11-13, 1946, which are poor.

LOUP RIVER NEAR GENOA

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ Section 25, Township 17 North, Range 4 West, at bridge on State Highway 39, 2 miles south of Genoa, 3 miles upstream from Beaver Creek, and 6 miles downstream from diversion dam of Loup River Public Power District.

DRAINAGE AREA:—13,420 square miles (includes about 1,700 square miles of closed basin in sand hills area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—October, 1930, to June, 1932; October, 1943, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 18,800 second-feet June 10, (gage height, 6.90 feet); minimum daily, 21 second-feet October 30.

Water year 1946: Maximum discharge, 11,000 second-feet June 18, (gage height, 6.16 feet); minimum daily, 11 second-feet September 3.

LOUP RIVER NEAR GENOA—CONCLUDED

1930-32, 1943-46: Maximum discharge, 29,200 second-feet May 31, 1932 (gage height, 4.60 feet, former datum); minimum daily, 10 second-feet October 4, 1943.

REMARKS:—Records fair except those for periods of ice effect, November 28 to December 1, December 18-24, 28-31, 1944, January 1-22, March 6, 7, December 6-31, 1945, January 1 to February 20, 1946, which are poor.

LOUP RIVER AT COLUMBUS.

LOCATION:—Wire-weight gage in Section 30, Township 17 North, range 1 East, at bridge on U. S. Highway 30 at Columbus, 3½ miles upstream from mouth and 14 miles downstream from Lookingglass Creek. Datum of gage is 1,432.39 feet above mean sea level, unadjusted.

DRAINAGE AREA:—14,330 square miles (includes about 1,700 square miles of closed basin in sand hill area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—January, 1895, to September, 1915, March to September, 1931, October, 1933, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 19,600 second-feet June 10 (gage height, 5.41 feet); minimum daily, 20 second-feet February 2-6.

Water year 1946: Maximum discharge, 12,400 second-feet June 19 (gage height, 4.55 feet, from graph based on gage readings); minimum daily, 66 second-feet August 4.

1895-1915, 1931, 1933-46: Maximum discharge, 70,000 second-feet June 6, 7, 1896 (gage height, 12.55 feet, site and datum then in use); minimum daily, that of February 2-6, 1945.

REMARKS:—Records good except those for periods of ice effect, December 13-31, 1944, January 1 to February 9, February 18-22, 26, 27, March 5, 6, December 10-31, 1945, January 1 to February 18, 1946, which are poor.

LOUP RIVER, MIDDLE, AT DUNNING

LOCATION:—Water-stage recorder in SW¼ Section 33, Township 22 North, Range 24 West, just downstream from county highway bridge at north edge of Dunning. Prior to September 12, 1946, staff gage at same site and datum.

RECORDS AVAILABLE:—September, 1945, to September, 1946.

EXTREMES:—Maximum discharge observed during period September 14, 1945, to September 30, 1946, 5.71 second-feet March 16; maximum gage height observed, 6.60 feet February 6 (backwater from ice); minimum daily discharge, 294 second-feet July 14.

LOUP RIVER, MIDDLE, AT DUNNING—CONCLUDED

REMARKS:—Records fair except those for periods of ice effect, December 9-31, 1945, January 1-20, January 29 to February 16, 1946, which are poor.

LOUP RIVER, MIDDLE, AT WALWORTH

LOCATION:—Water-stage recorder in NW¼ Section 1, Township 19 North, Range 20 West, at county highway bridge, 1,000 feet north-east of Walworth.

DRAINAGE AREA:—4,040 square miles (includes about 750 square miles of closed basin in sand hills area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—October, 1940, to September, 1942, July, 1943, to September, 1946. December, 1936, to December, 1938, at site 1 mile south of Sargent, published as Loup River, Middle, at Sargent.

EXTREMES:—Water year 1945: Maximum discharge, 1,960 second-feet May 27; maximum gage height, 4.61 feet February 21 (back-water from ice); minimum daily discharge, 240 second-feet March 5.

Water year 1946: Maximum discharge, 2,040 second-feet February 22; maximum gage height, 4.31 feet December 13, February 8 (back-water from ice); minimum daily discharge, 270 second-feet December 17.

1936-38, 1940-42, 1943-46: Maximum discharge observed, 2,280 second-feet April 27, 1938 (site then in use), from rating curve extended above 1,400 second-feet; minimum daily, 135 second-feet December 7, 1937.

REMARKS:—Records fair except those for periods of ice effect, November 29 to December 6, December 19-31, 1944, January 1 to February 11, February 18 to March 9, November 22-25, December 2-31, 1945, January 1 to February 21, 1946, which are poor.

LOUP RIVER, MIDDLE, AT ARCADIA

LOCATION:—Water-stage recorder in Section 26, Township 17 North, Range 16 West, just downstream from bridge on State Highway 57 at southwest edge of Arcadia.

DRAINAGE AREA:—4,430 square miles (includes about 750 square miles of closed basin in sand hills area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—July, 1937, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 9,700 second-feet May 27 (gage height, 5.12 feet), from rating curve extended

LOUP RIVER, MIDDLE, AT ARCADIA—CONCLUDED

above 3,500 second-feet by logarithmic plotting; minimum daily, 250 second-feet January 4.

Water year 1946: Maximum discharge, 2,590 second-feet June 18; maximum gage height, 4.06 feet December 29 (backwater from ice); minimum daily discharge, 220 second-feet December 18, 19.

1937-46: Maximum discharge, that of May 27, 1945; minimum daily, 92 second-feet December 11, 1941.

REMARKS:—Records fair except those for periods of ice effect, November 30 to December 31, 1944, January 1 to March 9, November 22-26, December 8-31, 1945, January 1 to February 27, 1946, or no gage-height record, October 24, November 14-19, 1944, August 26-28, 1945, August 8-12, 1946, or doubtful gage-height record, April 26, 28-30, May 1, 9, 1945, March 6-13, 1946, all of which are poor.

LOUP RIVER, MIDDLE, AT ST. PAUL

LOCATION:—Water-stage recorder in Section 10, Township 14 North, Range 10 West, at St. Paul, 300 yards upstream from bridge on U. S. Highway 281, and 6 miles upstream from confluence with North Loup River. Datum of gage is 1,778.4 feet above mean sea level. (Union Pacific Railroad bench mark.)

DRAINAGE AREA:—7,300 square miles (includes about 1,300 square miles of closed basin in sand hills area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—May, 1895, to October, 1897, April to October, 1899, April to November, 1903, August, 1928, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 14,100 second-feet June 10 (gage height, 6.34 feet); minimum daily, 440 second-feet December 26.

Water year 1946: Maximum discharge, 6,250 second-feet June 19; maximum gage height, 4.73 feet January 2 (backwater from ice); minimum daily discharge, 120 second-feet December 12, 13.

1895-97, 1899, 1903, 1928-46: Maximum discharge, 18,000 second-feet March 19, 1932, by float measurement; maximum gage height, 6.90 feet March 2, 1936 (affected by ice); minimum daily discharge, 102 second-feet January 8, 1937.

REMARKS:—Records fair except those for periods of ice effect, November 1 to December 31, 1944, January 1 to February 11, February 20, 21, March 3-9, November 24-26, December 13-31, 1945, January 1 to February 24, 1946, or doubtful gage-height record, June 3, 4, 1945, or no gage-height record, June 18, 19, 1945, all of which are poor.

LOUP RIVER, NORTH, AT BREWSTER

LOCATION:—Staff gage in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 27, Township 23 North, Range 22 West, at bridge on State Highway 7 at northeast limits of Brewster. Datum of gage is 2,467.7 feet above mean sea level, datum of 1929.

RECORDS AVAILABLE:—September, 1945, to September, 1946.

EXTREMES:—Maximum discharge observed during period September 14, 1945, to September 30, 1946, 605 second-feet September 10, 1946; minimum daily discharge, 130 second-feet December 10, 1945.

REMARKS:—Records good except those of periods of ice effect, November 23-25, December 8-31, 1945, January 1 to February 18, 1946, or no gage-height record, October 14, 15, 1945, which are poor.

LOUP RIVER, NORTH, AT TAYLOR

LOCATION:—Water-stage recorder in Section 22, Township 21 North, Range 18 West, at north edge of Taylor, 450 feet upstream from bridge on U. S. Highway 83.

DRAINAGE AREA:—1,910 square miles (includes about 200 square miles of closed basin in sand hills area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—November, 1936, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 1,260 second-feet June 10; maximum gage height, 6.77 feet January 31 (ice jam); minimum daily discharge, 188 second-feet September 6.

Water year 1946: Maximum discharge, 1,010 second-feet March 17; maximum gage height, 7.49 feet January 30 (ice jam); minimum daily discharge, 128 second-feet August 3.

1936-46: Maximum discharge, 2,480 second-feet September 2, 1942; maximum gage height, that of January 30, 1946; minimum daily discharge, 45 second-feet July 26, 1941.

REMARKS:—Records good except those for periods of ice effect, November 25-26, November 30 to December 31, 1944, January 1 to March 11, November 24-26, December 9-31, 1945, January 1 to February 22, or doubtful gage-height record, October 2, 3, 25, 26, 1944, April 6, November 29 to December 1, 1945, which are poor.

LOUP RIVER, NORTH, AT SCOTIA

LOCATION:—Water-stage recorder in Section 8, Township 17 North, Range 12 West, 30 feet downstream from railroad trestle and 0.9 mile southwest of Scotia. Datum of gage is 1,893.33 feet above mean sea level, datum of 1929, tentative adjustment.

DRAINAGE AREA:—3,770 square miles (includes about 400

LOUP RIVER, NORTH, AT SCOTIA—CONCLUDED

square miles of closed basin in sand hills area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—November, 1936, to September, 1946.

EXTREMES:—Water year 1945: Maximum gage height, 6.27 feet May 27 (discharge not determined); minimum daily discharge, 120 second-feet December 1.

Water year 1946: Maximum discharge, 4,370 second-feet June 18 (gage height, 4.25 feet); minimum daily, 146 second-feet August 3.

1936-46: Maximum gage height, that of May 27, 1945; minimum daily discharge, 105 second-feet August 7, 1941.

REMARKS:—Records fair except those for periods of ice effect, November 25 to December 7, December 17-31, 1944, January 1 to February 10, February 16-20, March 3-7, November 22-25, December 2-6, 9-31, 1945, January 1 to February 22, 1946, or no gage-height record, June 26 to July 31, August 6, 7, 23, 1945, which are poor.

LOUP RIVER, NORTH, NEAR ST. PAUL

LOCATION:—Water-stage recorder in Section 22, Township 15 North, Range 10 West, 60 feet downstream from bridge on U. S. Highway 281, 3 miles north of St. Paul, and 4 miles upstream from confluence with Middle Loup River.

DRAINAGE AREA:—4,120 square miles (includes about 400 square miles of closed basin in sand hills area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—May, 1895, to October, 1897, April to October, 1899, April to December, 1903, August, 1928, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 15,800 second-feet May 27 (gage height, 4.31 feet), from rating curve extended above 9,000 second-feet; minimum daily, 130 second-feet February 1.

Water year 1946: Maximum discharge, 4,180 second-feet June 18; maximum gage height, 2.52 feet December 31 (backwater from ice); minimum daily discharge, 108 second-feet August 4.

1895-97, 1899, 1903, 1928-46: Maximum discharge, 90,000 second-feet (estimated) June 6, 1896; minimum daily, 85 second-feet August 8, 1941.

REMARKS:—Records fair except those for periods of ice effect, November 26 to December 7, December 11-31, 1944, January 1 to February 11, February 17-28, March 3-8, November 22-27, December 2-6, 9-31, 1945, January 1 to February 23, 1946, those for periods of doubtful or no gage-height record, March 17, 18, August 18, 1945, August 20, 21, 27, 1946, and those computed from chain gage readings, July 28-30, August 3-9, 1945, June 11, 12, 1946, all of which are poor.

LOUP RIVER, SOUTH, NEAR CUMRO

LOCATION:—Water-stage recorder in NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 5, Township 12 North, Range 18 West, at bridge on county road, 600 feet downstream from Cat Creek and 6 $\frac{1}{2}$ miles southeast of Cumro.

RECORDS AVAILABLE:—May to September, 1946.

EXTREMES:—Maximum discharge during period May 18 to September 30, 1946, 1,310 second-feet June 18; gage height, 4.72 feet; minimum daily, 78 second-feet August 3.

REMARKS:—Records good.

LOUP RIVER, SOUTH, AT RAVENNA

LOCATION:—Wire-weight gage on line between Sections 16 and 17, Township 12 North, Range 14 West, at county highway bridge, $\frac{3}{4}$ mile south of Ravenna and 1 mile upstream from Mud Creek.

DRAINAGE AREA:—1,660 square miles (includes about 300 square miles of closed basin in sand hills area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—October, 1940, to September, 1946.

EXTREMES:—Water year 1945: Maximum gage height, 7.68 feet June 9, from graph based on gage readings (discharge not determined); minimum daily discharge, 28 second-feet March 6.

Water year 1946: Maximum discharge, 2,010 second-feet June 18 (gage height, 4.80 feet, from graph based on gage readings); minimum daily, 54 second-feet August 3, 4.

1940-46: Maximum gage height, that of June 9, 1945; minimum daily discharge, that of March 6, 1945.

REMARKS:—Records fair except those for periods of ice effect, November 30 to December 12, December 21-31, 1944, January 1 to February 11, February 16-19, November 22, 23, December 2-6, 9-31, 1945, January 1 to February 21, 1946, or no gage-height record, October 1, 3-8, 15, 17-22, December 19, 1944, February 23-25, March 25, August 12, 1945, March 1, 1946, which are poor.

LOUP RIVER, SOUTH, AT ST. MICHAEL

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ Section 12, Township 12 North, Range 13 West, at county highway bridge, 0.8 mile north-east of St. Michael, and 5 miles upstream from Sweet Creek.

DRAINAGE AREA:—2,560 square miles (includes about 300 square miles of closed basin in sand hills area of Nebraska for which drainage is indeterminate).

RECORDS AVAILABLE:—October, 1943, to September, 1946.

EXTREMES:—Water year 1945: Maximum daily discharge, 7,600 second-feet June 9; minimum daily, 40 second-feet March 6.

LOUP RIVER, SOUTH, AT ST. MICHAEL—CONCLUDED

Water year 1946: Maximum discharge, 2,050 second-feet June 18 gage height, 3.29 feet; minimum daily, 50 second-feet August 3.

1943-46: Maximum daily discharge, that of June 9, 1945; minimum daily, 40 second-feet February 11, 1944, March 6, 1945.

REMARKS:—Records fair except those prior to June 20, 1945, and those for periods of ice effect, November 22-24, December 9-31, 1945, January 1 to February 21, 1946, which are poor.

MEDICINE CREEK AT CAMBRIDGE

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 28, Township 4 North, Range 25 West, at bridge on U. S. Highway 6 and 34, $\frac{1}{4}$ mile east of Cambridge and $\frac{1}{2}$ mile upstream from mouth. Datum of gage is 2,244.22 feet above mean sea level, datum of 1929.

RECORDS AVAILABLE:—January, 1925, to September, 1931, December, 1936, to September, 1943, October, 1944, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 14,700 second-feet June 5 (gage height, 12.64 feet); minimum daily, 27 second-feet September 3-7.

Water year 1946: Maximum discharge, 3,110 second-feet May 30 (gage height, 8.05 feet); minimum daily, 26 second-feet February 7, August 1, 2, 18-21.

1925-31, 1936-43, 1944-46: Maximum discharge, 15,000 second-feet April 19, 1942 (gage height, 15.41 feet, site and datum then in use), by slope-area method; minimum daily, 6 second-feet January 30, 1938.

REMARKS:—Records good except those for periods of ice effect, November 26 to December 31, 1944, January 1-17, 21-25, 29-31, February 1, 5-9, 16-22, 26-28, March 5-8, November 21-26, December 4-31, 1945, February 1-21, 1946, which are poor.

MUD CREEK NEAR SWEETWATER

LOCATION:—Water-stage recorder in N $\frac{1}{2}$ SE $\frac{1}{4}$ Section 3, Township 12 North, Range 15 West, at bridge on State Highway 2 and 1 mile southeast of Sweetwater.

RECORDS AVAILABLE:—July to September, 1946.

EXTREMES:—Maximum discharge during period July 23 to September 30, 1946, 162 second-feet September 21 (gage height, 6.28 feet); minimum daily, 2.2 second-feet August 2, 3.

REMARKS:—Records good.

NEMAHA RIVER AT FALLS CITY

LOCATION:—Wire-weight gage on line between Sections 22 and 23, Township 1 North, Range 16 East, at bridge on U. S. Highway 73, 1 mile south of Falls City, and about 13 miles upstream from mouth. Datum of gage is 861.24 feet above mean sea level, datum of 1929, supplementary adjustment of 1943, tentative (levels by Corps of Engineers, U. S. Army).

DRAINAGE AREA:—1,700 square miles.

RECORDS AVAILABLE:—March, 1944, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 22,100 second-feet May 14 (gage height, 25.5 feet); minimum daily, 43 second-feet September 7.

Water year 1946: Maximum discharge, 27,300 second-feet September 4 (gage height 25.77 feet); minimum daily, 8 second-feet July 15.

1944-46: Maximum discharge, that of September 4, 1946; minimum daily, that of July 15, 1946.

REMARKS:—Records good except those for periods of ice effect, November 28 to December 31, 1944, January 1-20, January 31 to February 8, December 9-31, 1945, January 1 to February 5, February 13, 1946, which are poor.

NEW YORK CREEK AT HERMAN

LOCATION:—Water-stage recorder in NW¼ Section 32, Township 20 North, Range 11 East, about 350 feet downstream from bridge on U. S. Highway 73, and ½ mile southeast of Herman.

DRAINAGE AREA:—31.8 square miles.

RECORDS AVAILABLE:—May to September, 1946.

EXTREMES:—Maximum discharge during period May 18 to September 30, 1946, 407 second-feet June 28 (gage height, 10.40 feet); minimum daily, 0.1 second-feet August 19-22.

Flood of June 11, 1944, reached a stage of 20.8 feet, from flood-marks (discharge, 4,000 second-feet, by slope-area method).

REMARKS:—Records fair.

NINE MILE DRAIN NEAR MCGREW

LOCATION:—Water-stage recorder near southeast corner of Section 23, Township 21 North, Range 53 West, 15 feet upstream from county highway bridge, ½ mile upstream from mouth, and 1½ miles north of McGrew.

RECORDS AVAILABLE:—October, 1930, to September, 1946 (formerly published as Nine Mile Drain near Minatare). April, 1919,

NINE MILE DRAIN NEAR MCGREW—CONCLUDED

to October, 1923, at site 8 miles north in Section 16, Township 22 North, Range 53 West.

EXTREMES:—Water year 1945: Maximum discharge, 644 second-feet August 8 (gage height, 5.17 feet); minimum daily, 69 second-feet May 8, 9.

Water year 1946: Maximum discharge, 338 second-feet September 18 (gage height, 3.39 feet); minimum daily, 73 second-feet April 24.

1930-46: Maximum discharge, that of August 8, 1945; minimum daily, 51 second-feet July 25, 1934.

REMARKS:—Records good except those for period of ice effect, December 19-22, 1945, or no gage-height records, February 14, 15, which are fair.

NIORRARA RIVER ABOVE BOX BUTTE RESERVOIR

LOCATION:—Staff gage in Section 27, Township 29 North, Range 50 West, about 5 miles above the Box Butte Dam, and about 1 mile above high water line of reservoir.

DRAINAGE AREA:—1,500 square miles.

RECORDS AVAILABLE:—October, 1945, to September, 1946.

EXTREMES:—Maximum daily discharge estimated 500 second-feet September 7, 1946; minimum daily 8 second-feet August 30, 31, 1946.

REMARKS:—Records are good for discharge of less than 200 second-feet. Flood stages over flow bottom land to the north of the station. Records obtained from two daily gage-height observations furnished by the United States Bureau of Reclamation.

NIORRARA RIVER BELOW BOX BUTTE DAM

LOCATION:—Water-stage recorder in Section 28, Township 29 North, Range 49 West, about 1,000 feet west of east line of section at footbridge 1,000 feet downstream from Box Butte Dam.

DRAINAGE AREA:—1,520 square miles.

RECORDS AVAILABLE:—July, 1940, to September, 1946.

EXTREMES:—The flow is entirely regulated by Box Butte Dam, which was completed in October, 1945.

REMARKS:—Records good for period since September, 1945, when Stevens Type E water-stage recorder was installed. Records fair prior to September, 1945, when gage heights obtained from two daily observations of staff gage.

NIOBRARA RIVER NEAR GORDON

LOCATION:—Water-stage recorder in NE¼ Section 26, Township 31 North, Range 42 West, just downstream from bridge on State Highway 27, about 4 miles downstream from Rush Creek and 11 miles south of Gordon.

RECORDS AVAILABLE:—December, 1945, to September, 1946. January, 1930, to September, 1931, at site four miles downstream.

EXTREMES:—Maximum gage height during period December 1, 1945, to September 30, 1946, 3.79 feet September 18 (discharge not determined); minimum daily discharge, 40 second-feet December 9, 10.

1930-31, 1945-46: Maximum gage height that of September 18, 1946; minimum daily discharge, that of December 9, 10, 1945.

REMARKS:—Records fair except those for periods of ice effect, December 3-26, 1945, January 5 to February 15, 1946, or no gage-height records, December 1, 2, 27-31, 1945, January 1-4, April 17-24, 26-28, May 7, 9, 10, 12-20, 1946, which are poor.

NIOBRARA RIVER NEAR SPARKS

LOCATION:—Water-stage recorder in SE¼ Section 22, Township 34 North, Range 26 West, at bridge on State Highway 7, 2.2 miles downstream from Big Beaver Creek, 5½ miles below Minnechaduza Creek, and 6¼ miles southwest of Sparks.

RECORDS AVAILABLE:—December, 1945, to September, 1946.

EXTREMES:—Maximum discharge during period December 1, 1945, to September 30, 1946, 2,350 second-feet September 19 (gage height, 4.33 feet); minimum daily, 190 second-feet December 15.

REMARKS:—Records fair except those for periods of ice effect, December 12-19, 1945, January 5-10, January 22 to February 16, 1946, or no gage-height record, December 1-11, 20-31, 1945, January 1-4, 11-21, 1946, which are poor.

NIOBRARA RIVER NEAR SPENCER

LOCATION:—Water-stage recorder in N½ Section 30, Township 33 North, Range 11 West, at bridge on U. S. Highway 281, 600 feet downstream from Spencer power plant dam, and 5 miles southeast of Spencer. Datum of gage is 1,478.65 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—10,800 square miles.

RECORDS AVAILABLE:—August, 1927, to December, 1928, January, 1930, to September, 1931, October, 1932, to September, 1936, June, 1940, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 11,700 sec-

NIOBRARA RIVER NEAR SPENCER—CONCLUDED

ond-feet March 12 (gage height, 3.90 feet); minimum daily, 353 second-feet December 2.

Water year 1946: Maximum discharge, 8,480 second-feet August 5 (gage height, 3.15 feet); minimum daily, 348 second-feet December 12.

1927-28, 1930-31, 1932-36, 1940-46: Maximum discharge, 21,500 second-feet June 14, 1943; minimum daily, 5 second-feet November 14, December 18, 19, 1940.

REMARKS:—Records good except those for periods of ice effect November 30 to December 31, 1944, January 1 to March 10, November 21-25, December 1-5, 11-31, 1945, January 1-25, 1946, or no gage-height record, January 26 to February 27, July 31, August 1, 1946, which are fair.

OMAHA CREEK AT HOMER

LOCATION:—Water-stage recorder in W $\frac{1}{2}$ Section 12, Township 27 North, Range 8 East, at bridge on U. S. Highway 73 and 77, $\frac{1}{2}$ mile northeast of Homer.

RECORDS AVAILABLE:—April to September, 1946.

EXTREMES:—Maximum discharge during period April 6 to September 30, 1946, 1,060 second-feet June 29 (gage height, 9.40 feet), from rating curve extended above 630 second-feet; minimum daily, 2.4 second-feet August 20-22, September 26.

REMARKS:—Records fair.

PLUM CREEK NEAR SMITHFIELD

LOCATION:—Water-stage recorder in SW $\frac{1}{4}$ Section 15, Township 8 North, Range 21 West, about 100 feet downstream from county highway bridge, and 6 $\frac{1}{2}$ miles northeast of Smithfield.

RECORDS AVAILABLE:—June to September, 1946.

EXTREMES:—Maximum discharge during period June 22 to September 30, 1946, 141 second-feet September 7 (gage height, 7.89 feet); no flow on many days.

REMARKS:—Records fair.

PRAIRIE DOG CREEK NEAR WOODRUFF, KANSAS

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 33, Township 1 North, Range 18 West, 50 feet downstream from bridge on U. S. Highway 383, 0.9 mile north of Kansas-Nebraska State line,

PRAIRIE DOG CREEK NEAR WOODRUFF, KANSAS—CONCLUDED

4¼ miles northeast of Woodruff, Kansas. Datum of gage is 1,943.08 feet above mean sea level, datum of 1929.

RECORDS AVAILABLE:—May, 1945, to September, 1946.

EXTREMES:—Period May 11 to September, 1945: Maximum discharge, 1,580 second-feet June 24 (gage height, 17.57); minimum daily, 0.8 second-foot September 27.

Water year 1946: Maximum discharge, 1,400 second-feet May 31 (gage height, 16.74 feet); no flow October 29.

REMARKS:—Records good except those for period of ice effect, December 9, 1945, to February 25, 1946, which are poor.

PUMPKINSEED CREEK NEAR BRIDGEPORT

LOCATION:—Water-stage recorder in Section 12, Township 19 North, Range 50 West, 250 feet downstream from bridge on U. S. Highway 26, ½ mile upstream from mouth, and 4 miles southeast of Bridgeport.

DRAINAGE AREA:—1,080 square miles.

RECORDS AVAILABLE:—January, 1922, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 162 second-feet June 10 (gage height, 3.01 feet); minimum daily, 18 second-feet July 31.

Water year 1946: Maximum discharge, 77 second-feet September 1; maximum gage height, 1.97 feet March 10; minimum daily discharge, 8.5 second-feet July 31.

1922-46: Maximum discharge, 864 second-feet March 9, 1939 (gage height, 6.12 feet), from rating curve extended above 550 second-feet; minimum daily, 0.4 second-foot August 6, 1936.

REMARKS:—Records good except those for periods of no gage-height record, October 1, 2, 21-24, November 9-11, 18-27, 1944, February 26, March 6-8, 1945, or ice effect, December 15, 18, 19, which are fair.

RED WILLOW CREEK NEAR BAYARD

LOCATION:—Water-stage recorder at southwest corner of Section 7, Township 20 North, Range 51 West, at county highway bridge, ¼ mile downstream from Wild Horse drain, ¾ mile upstream from mouth, and 4½ miles southeast of Bayard. Gage datum lowered 1.00 foot April 16, 1946.

RECORDS AVAILABLE:—October, 1931, to September, 1946. April, 1919, to September, 1931, at site in Section 6, Township 20 North, Range 51 West, upstream from Wild Horse Drain. Records not equivalent.

RED WILLOW CREEK NEAR BAYARD—CONCLUDED

EXTREMES:—Water year 1945: Maximum discharge, 749 second-feet August 1 (gage height, 4.92 feet, present datum); minimum daily, 38 second-feet May 25.

Water year 1946: Maximum discharge, 394 second-feet September 18 (gage height, 3.35 feet); minimum daily, 39 second feet June 27.

1931-46: Maximum discharge, 1,640 second-feet May 10, 1942 (gage height, 7.8 feet, present datum from floodmark), from rating curve extended above 570 second-feet on basis of slope-area determination at gage height, 6.66 feet; minimum daily, 15 second-feet April 23, 1935.

REMARKS:—Records good except those for periods of no gage-height record, November 5-7, November 28 to December 31, 1944, January 1, 2, December 22-30, 1945, which are poor.

RED WILLOW CREEK NORTH OF McCOOK

LOCATION:—Water-stage recorder in NW¼ Section 6, Township 4 North, Range 29 West, at bridge on U. S. Highway 83, 10 miles north of McCook. Datum of gage is 2,496.50 feet above mean sea level, datum of 1929.

RECORDS AVAILABLE:—October, 1940, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 3,120 second-feet June 5 (gage height, 14.73 feet); minimum, not determined (occurred during period of no gage-height record).

Water year 1946: Maximum discharge, 2,730 second-feet May 29 (gage height 13.89 feet); minimum daily, 6.3 second-feet August 10.

1940-46: Maximum discharge, that of June 5, 1945; minimum daily, 4.2 second-feet September 4, 1943.

REMARKS:—Records good except those for periods of fragmentary gage-height record, October 4, November 30, 31, 1944, January 22, 26, June 14, which are fair, and those for periods of doubtful or no gage-height records, October 1-3, 8-31, November 1, 2, December 7-10, 1944, May 30, 31, June 1-4, 11-13, 21-23, 26-30, July 1-31, August 1-12, 14-22, 27-31, September 1-25, December 16-31, 1945, January 1-31, February 1-24, April 26-28, May 19-23, June 8, 9, 11-13, 15, 16, 18-20, 22, 23, 1946, and periods of ice effect, November 22-25, December 3-15, 1945, which are poor.

RED WILLOW CREEK NEAR RED WILLOW

LOCATION:—Water-stage recorder in NE¼ NE¼ Section 17, Township 3 North, Range 28 West, at bridge on U. S. Highway 6 and 34, ¾ mile north of Red Willow, and 2½ miles upstream from mouth. Datum of gage is 2,398.64 feet above mean sea level, datum of 1929.

RED WILLOW CREEK NEAR RED WILLOW—CONCLUDED

Prior to May 26, 1945, wire-weight gage at site $1\frac{1}{4}$ miles upstream at datum 11.16 feet higher.

RECORDS AVAILABLE:—March, 1925, to September, 1931, October, 1939, to September, 1946. Published 1925-28 as Red Willow Creek east of McCook.

EXTREMES:—Water year 1945: Maximum discharge, 1,960 second-feet May 31 (gage height, 15.02 feet); minimum daily, 12 second-feet August 3, September 9-13, 15, 16, 19, 20.

Water year 1946: Maximum discharge, 1,360 second-feet May 30 (gage height, 13.70 feet); minimum daily, 11 second-feet August 11, 12, 20-22.

1925-31, 1939-46: Maximum discharge, 4,610 second-feet June 2, 1941 (gage height, 12.4 feet, site and datum then in use, from graph based on gage readings), from rating curve extended above 2,600 second-feet; minimum daily, 1 second-foot August 16-31, 1929.

REMARKS:—Records fair prior to May 26, 1945, good thereafter except those for periods of ice effect, November 27, 30, December 1-4, 11-13, 21-31, 1944, January 1-12, 29-31, February 1-3, 19, 20, March 5-7, November 22-26, December 3-29, 1945, January 4 to February 18, 1946, or no gage-height record, May 3-20, 1946, which are poor.

REPUBLICAN RIVER AT COLORADO-NEBRASKA STATE LINE

LOCATION:—Water-stage recorder in Section 10, Township 1 North, Range 42 West, 100 feet east of Colorado-Nebraska State line. Datum of gage is 3,336.09 feet above mean sea level, datum of 1929.

RECORDS AVAILABLE:—May to June, 1915, March to August, 1926, January, 1927, to December, 1930, October, 1931, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 245 second-feet September 27 (gage height, 2.94 feet); minimum daily, 6.1 second-feet August 11.

Water year 1946: Maximum discharge, 210 second-feet July 8; maximum gage height, 3.11 feet December 20 (backwater from ice); minimum daily discharge, 4.7 second-feet August 20, 21.

1915, 1926, 1927-30, 1931-46: Maximum discharge, 1,220 second-feet September 3, 1940 (gage height, 5.72 feet), from rating curve extended above 340 second-feet; no flow August 25, 26, 1932.

REMARKS:—Records good except those for periods of no gage-height record, May 13-19, 21, 22, 1945, or backwater from ice, December 12-28, 1945, which are poor.

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN

LOCATION:—Water-weight gage in NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 31 Township 1 North, Range 37 West, at bridge on State Highway 61, 1 mile (revised) downstream from Kansas-Nebraska State line, 2 $\frac{1}{2}$ miles southwest of Benkelman, and 3 miles upstream from mouth.

DRAINAGE AREA:—2,550 square miles.

RECORDS AVAILABLE:—January, 1924, to December, 1929, October, 1930, to September, 1933, August, 1937, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge not determined; no flow October 1-4, July 29 to August 4, September 8-27.

Water year 1946: Maximum discharge, 8,900 second-feet July 19 (gage height, 6.8 feet, from graph based on gage readings); no flow August 20-28.

1924-29, 1930-33, 1937-46: Maximum discharge, probably occurred during flood of June 24, 1945, not determined; maximum gage height observed, 8.60 feet July 12, 1941, from floodmarks (higher stage may have occurred during flood of June 24, 1945); no flow at times during 1925, 1931, 1937-40, 1942-46.

Greatest flood known occurred May 31, 1935, discharge 150,000 second-feet (gage height, 10.1 feet, at site $\frac{1}{4}$ mile downstream, present datum, from floodmarks), by slope-area method.

REMARKS:—Records poor.

REPUBLICAN RIVER AT MAX

LOCATION:—Staff gage in NE $\frac{1}{4}$ Section 32, Township 2 North, Range 36 West, at county highway bridge $\frac{3}{4}$ mile south of Max. Datum of gage is 2,877.32 feet above mean sea level, datum of 1929. Prior to June 24, 1945, water-stage recorder at same site and datum.

DRAINAGE AREA:—7,740 square miles, of which 1,900 square miles is largely non-contributing.

RECORDS AVAILABLE:—October, 1930, to September, 1945.

EXTREMES:—Water year 1945: Maximum gage height, 7.2 feet June 24 (from graph based on gage readings and partial recorder trace); discharge not determined; minimum daily discharge, not determined (occurred during period of doubtful gage-height record).

1930-45: Minimum discharge, 190,000 second-feet May 31, 1935 (gage height, 13.8 feet, from floodmarks), by slope-area method; no flow at times during summer months of many years.

REPUBLICAN RIVER AT CULBERTSON

LOCATION:—Chain gage in SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 17, Township 3 North, Range 31 West, at bridge on State Highway 17, $\frac{3}{4}$ mile south of

REPUBLICAN RIVER AT CULBERTSON—CONCLUDED

Culbertson and 1.1 miles upstream from Frenchman River. Datum of gage is 2,561.93 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—10,600 square miles, of which 1,900 square miles is largely non-contributing.

RECORDS AVAILABLE:—January to December, 1922, January, 1924, to December, 1929, October, 1930, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 8,700 second-feet June 24 (gage height, 5.04 feet); no flow August 1-4, September 4-12.

Water year 1946: Maximum discharge, 29,400 second-feet July 3 (gage height, 6.98 feet), from rating curve extended above 19,000 second-feet; minimum daily, 1 second-foot September 5-7.

1922, 1924-29, 1930-46: Maximum discharge, about 200,000 second-feet May 31, 1935 (gage height, 11.4 feet, from floodmarks), based on slope-area determinations at stations at Max and near Bloomington; no flow for periods in most years.

REMARKS:—Records poor.

REPUBLICAN RIVER AT CAMBRIDGE

LOCATION:—Staff gage in NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 28, Township 4 North, Range 25 West, $\frac{3}{4}$ mile downstream from Medicine Creek, and 1 mile east of Cambridge.

RECORDS AVAILABLE:—September, 1945, to September, 1946.

EXTREMES:—Maximum discharge during period September 1, 1945, to September 30, 1946, not determined; minimum daily, 23 second-feet September 12, 1945.

REMARKS:—Records fair except those for periods of ice effect, December 11, 1945, to February 17, 1946, which are poor.

REPUBLICAN RIVER NEAR BLOOMINGTON

LOCATION:—Water-stage recorder in S $\frac{1}{2}$ Section 8, Township 1 North, Range 15 West, 600 feet downstream from county highway bridge, 2 miles south of Bloomington, and 9 $\frac{1}{2}$ miles downstream from Turkey Creek. Datum of gage is 1,824.15 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—20,900 square miles, of which 1,900 square miles is largely non-contributing.

RECORDS AVAILABLE:—October, 1930, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 15,000 second-feet June 6 (gage height, 7.58 feet); minimum daily, 18 second-feet September 24, 25.

REPUBLICAN RIVER NEAR BLOOMINGTON—CONCLUDED

Water year 1946: Maximum discharge, 8,810 second-feet September 7 (gage height, 6.76 feet); minimum daily, 44 second-feet August 21, 22.

1930-46: Maximum discharge, 260,000 second-feet June 1, 1935 (gage height, 20.4 feet, from floodmarks, site then in use), by slope-area method; minimum daily, 6.8 second-feet October 6, 7, 1937.

REMARKS:—Records good except those for periods of no gage-height record, October 13-16, December 3, 4, 1944, which are fair, and those for periods of ice effect, November 28 to December 2, December 21-31, 1944, January 1-18, 28-31, February 1, 2, 4-6, March 5-9, November 23, 24, December 10-31, 1945, January 1 to February 16, 1946, which are poor.

REPUBLICAN RIVER NEAR HARDY

LOCATION:—Water-stage recorder in Section 6, Township 1 South, Range 5 West, $1\frac{1}{4}$ miles southwest of Hardy. Datum of gage is 1,501.46 feet above mean sea level, datum of 1929.

DRAINAGE AREA:—22,000 square miles, of which 1,900 square miles is largely non-contributing.

RECORDS AVAILABLE:—May, 1932, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 18,500 second-feet July 17 (gage height, 11.12 feet); minimum daily, 48 second-feet September 26.

Water year 1946: Maximum discharge, 11,800 second-feet July 7 (gage height, 11.2 feet); minimum daily, 60 second-feet December 12.

1932-46: Maximum discharge, 225,000 second-feet June 2, 1935 (gage height, 19.4 feet), by slope-area method; no flow August 9-19, 1934.

REMARKS:—Records fair except those for periods of ice effect, November 24-30, December 1-3, 10-13, 21-31, 1944, January 1-17, 30, 31, February 1-6, 16-21, 26-28, March 5-7, December 11-31, 1945, January 1 to February 2, 1946, or no gage-height record, August 7, 8, 1945, which are poor.

ROCK CREEK AT PARKS

LOCATION:—Water-stage recorder in $N\frac{1}{2}$ Section 21, Township 1 North, Range 39 West, at west edge of Parks, 100 feet downstream from county highway bridge, and $\frac{1}{4}$ mile upstream from mouth. Datum of gage is 3,093.35 feet above mean sea level, datum of 1929.

RECORDS AVAILABLE:—January, 1925, to September, 1931. October, 1940, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 53 second-

ROCK CREEK AT PARKS—CONCLUDED

feet September 27 (gage height, 3.14 feet); minimum daily, 11 second-feet on many days.

Water year 1946: Maximum gage height, 3.46 feet May 23 (discharge not determined); minimum daily discharge, 5.4 second-feet May 11.

1925-31, 1940-46: Maximum gage height, 3.67 feet July 12, 1944 (discharge not determined); minimum daily discharge, 3.1 second-feet February 19-23, 1943.

REMARKS:—Records good except those for periods of ice effect, November 25-27, November 29 to December 2, December 11, 12, 22-28, 31, 1944, January 1, 2, 4, 21-23, 28-30, February 26, 27, March 5, 6, November 22, 23, December 3, 4, 9-26, 1945, January 12, 13, 22, 24, 26-28, 30, 31, February 1, 2, 6, 9, 14, 1946, which are fair.

SAPPA CREEK NEAR BEAVER CITY

LOCATION:—Water-stage recorder in southwest corner of Section 14, Township 1 North, Range 23 West, 200 feet downstream from bridge on U. S. Highway 283, and 7 miles southwest of Beaver City. Datum of gage is 2,154.63 feet above mean sea level, datum of 1929. Prior to September 11, 1945, chain gage at site 200 feet upstream at datum 2.56 feet higher.

DRAINAGE AREA:—1,560 square miles.

RECORDS AVAILABLE:—May, 1937, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge observed, 1,120 second-feet July 1 (gage height, 11.64 feet, datum then in use); minimum daily discharge, 0.4 second-feet September 17, 24.

Water year 1946: Maximum discharge, 1,570 second-feet July 2 (gage height, 16.31 feet); minimum daily, 0.3 second-feet October 17.

1937-46: Maximum discharge, 5,500 second-feet July 17, 1944 (gage height, 18.70 feet, datum then in use), from rating curve extended above 2,500 second-feet; no flow at times in 1937-40, 1944.

REMARKS:—Records poor.

SAPPA CREEK NEAR STAMFORD

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 23, Township 2 North, Range 20 West, 500 feet downstream from bridge on section line, 2 miles east of Stamford, 5 $\frac{1}{2}$ miles upstream from mouth, and 8 $\frac{1}{2}$ miles downstream from Beaver Creek.

RECORDS AVAILABLE:—December, 1945, to September, 1946.

EXTREMES:—Maximum discharge during period December 19, 1945 to September 30, 1946, 968 second-feet July 6 (gage height, 11.74 feet); minimum daily, 0.1 second-foot December 27, 28.

SAPPA CREEK NEAR STAMFORD—CONCLUDED

Flood of July 19, 1944, reached a stage of 18.0 feet (discharge, 4,760 second-feet, current-meter measurement).

REMARKS:—Records good except those for periods of ice effect, December 19-31, 1945, January 1 to February 26, 1946, or no gage-height record, May 16, 24-31, June 1-5, August 16, 17, 1946, which are poor.

SHEEP CREEK NEAR MORRILL

LOCATION:—Water-stage recorder in NW¼ SW¼ Section 16, Township 23 North, Range 57 West, at bridge on U. S. Highway 26, 40 feet upstream from Chicago, Burlington, and Quincy Railroad bridge, 1 mile west of Morrill, and 1½ miles upstream from mouth.

RECORDS AVAILABLE:—April, 1919, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 262 second-feet July 20 (gage height, 4.25 feet); minimum daily, 3.6 second-feet July 28-30.

Water year 1946: Maximum discharge not determined, may have occurred during period of no gage-height record; minimum daily, 2.5 second-feet April 27, 28.

1919-46: Maximum gage height, 6.75 feet (from floodmark) August 2, 1932, due to break in Interstate canal (discharge not determined); no flow at times in 1919, 1923, 1924, 1930.

REMARKS:—Records good except those for periods of no gage-height record, October 17-20, November 11-21, November 27 to December 2, 1944, January 24, February 17-20, September 27 to October 24, 1945, January 17-30, 1946, which are fair.

STINKING WATER CREEK NEAR WAUNETA

LOCATION:—Water-stage recorder in NW¼ Section 17, Township 6 North, Range 35 West, ½ mile downstream from county highway bridge, 1½ miles downstream from Spring Creek, and 6 miles northeast of Wauneta.

RECORDS AVAILABLE:—October, 1940, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 531 second-feet June 5 (gage height, 6.33 feet); minimum observed, 8.0 second-feet September 10.

Water year 1946: Maximum discharge, 577 second-feet September 9 (gage height, 6.12 feet); minimum observed, 7.6 second-feet August 19.

1940-46: Maximum discharge, that of September 9, 1946; minimum daily discharge, 5.5 second-feet September 3, 1943.

REMARKS:—Records fair except those for periods of ice effect,

STINKING WATER CREEK NEAR WAUNETA—CONCLUDED

December 18-31, 1944, January 1-4, 27-31, February 1-4, 16-20, 25-28, March 6, 7, November 22-25, December 4-30, 1945, January 8-12, 24-31, February 1-3, 5-16, March 6-10, 1946, or no gage-height record, July 20-25, 29, 31, August 1-4, 11, 14, 18, 19, 26-31, September 1-24, 1945, June 15-18, 27-29, July 13-16, 19-31, August 1-31, September 1-7, 16-30, 1946, which are poor.

WINTERS CREEK NEAR SCOTTSBLUFF

LOCATION: Water-stage recorder near center of Section 30, Township 22 North, Range 54 West, $\frac{1}{2}$ mile downstream from bridge on U. S. Highway 26, 1 mile upstream from mouth, and $1\frac{1}{2}$ miles east of Scottsbluff.

RECORDS AVAILABLE:—January 1919, to September, 1946.

EXTREMES:—Water year 1945: Maximum discharge, 395 second-feet August 7 (gage height, 4.66 feet); minimum daily, 11 second-feet May 24, 25.

Water year 1946: Maximum discharge, 210 second-feet May 23 (gage height, 3.21 feet); minimum daily, 6.1 second-feet April 26, 30.

1919-1946: Maximum discharge, 590 second-feet June 5, 1940 (gage height, 6.02 feet), by slope-area method; minimum daily, 1 second-foot August 16, 1935.

REMARKS:—Records good except those for periods of no gage-height record, November 11 to December 4, 1945, February 17-25, March 21-25, 1946, which are fair.

WOOD RIVER NEAR RIVERDALE

LOCATION:—Water-stage recorder in NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 31, Township 10 North, Range 16 West, at bridge on State Highway 40, $1\frac{1}{2}$ miles northwest of Riverdale.

RECORDS AVAILABLE:—June to September, 1946.

EXTREMES:—Maximum discharge during period June 5 to September 30, 1946, 362 second-feet September 19 (gage height, 7.32 feet); no flow on many days.

REMARKS:—Records fair.

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**DISCHARGE
MEASUREMENTS
OF STREAMS**

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DISCHARGE MEASUREMENTS OF STREAMS

Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
APPLEGATE DRAIN					
Sec. 31-13-33 W.					
11-20	A. C. Hilpert	48.5	4- 9	A. C. Hilpert	47.7
12-20	do	50.1	5- 4	do	46.5
1-11	do	51.0	6-19	do	49.9
2-14	do	55.5	8-27	do	64.8
ASH CREEK					
Whitney—Sec. 7-32-50 W.					
10-17	C. E. Franklin	1.4	5-11	C. E. Franklin	3.3
11- 3	do	1.4	5-31	do	4.3
11-16	do	1.5	6-19	do	3.3
1-29	do	1.2	7- 8	do	5.9
2-16	do	.8	7-23	do	.4
3-23	do	4.6	8- 7	do	1.4
4-27	do	2.1	9-10	do	.0
EAST ASH CREEK					
Sec. 24-32-51 W.					
6- 1	C. E. Franklin	0.5			
ASH CREEK, EAST					
Above Barron Canal—Sec. 32-32-50 W.					
10-17	C. E. Franklin	1.8	7- 8	C. E. Franklin	2.0
11- 3	do	2.1	7-24	do	1.5
11-16	do	2.1	8- 8	do	2.2
6- 1	do	3.7	9-10	do	.3
6-19	do	3.4			
ATKINSON DRAIN					
Sec. 13-11-26 W.					
8-1	A. C. Hilpert	8.3			
BALD DRAIN					
Sec. 32-23-56 W.					
10-21	J. P. Hansen	4.9	3-29	E. S. Kimmel	3.1
12-21	do	2.5	4- 5	do	2.6
1-26	do	3.3	4-26	J. P. Hansen	2.9
2- 1	E. S. Kimmel	3.2	6-14	do	42.2
2-21	do	5.7	6-28	do	14.3
3- 1	do	3.1	8-31	C. R. Mount	11.5
3-15	do	3.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
BEAR CREEK					
North of Merriman—Sec. 8-34-37 W.					
10-28	C. E. Franklin	3.0	4- 8	C. E. Franklin	8.1
11-15	do	2.6	4-25	do	4.8
1-13	do	9.6	5- 8	do	3.4
1-30	do	7.5	5-22	do	5.1
2-13	do	25.2	6-12	do	11.0
2-27	do	10.8	7- 4	do	2.2
3-20	do	39.5	7-20	do	2.0
3-22	do	14.8	9- 5	do	1.1
BEAR CREEK					
Over Dam, A-3321—NW¼ Sec. 16-34-37 W.					
10-14	C. E. Franklin	2.4	5- 8	C. E. Franklin	3.8
10-28	do	2.5	5-22	do	4.7
11-15	do	1.5	6-12	do	10.8
1-13	do	11.6	7- 4	do	1.9
1-30	do	2.8	7-20	do	1.3
2-13	do	30.4	9- 5	do	1.4
2-27	do	9.5			
BEAR CREEK					
Passing Fish and Game Commission Dam, A-2898—Sec. 16-34-37 W.					
10-14	C. E. Franklin	2.1	4- 8	C. E. Franklin	21.9
10-28	do	1.8	4-26	do	10.0
11-15	do	3.5	5- 8	do	3.0
1-13	do	9.4	5-22	do	5.9
2-13	do	19.2	6-12	do	16.7
2-27	do	8.6	7- 4	do	2.6
3-20	do	59.7	7-20	do	1.7
3-22	do	27.0	9- 5	do	.2
BEAR CREEK					
Passing Cole Dam No. 1, A-2254—SW¼NE¼ Sec. 14-34-37 W.					
10-14	C. E. Franklin	1.8	3-22	C. E. Franklin	33.3
10-28	do	1.4	4- 8	do	26.4
10-29	do	1.7	4-25	do	8.9
11-15	do	2.4	5- 8	do	2.7
1-13	do	10.4	5-22	do	4.8
1-30	do	4.5	6-12	do	53.3
2-13	do	9.6	7- 4	do	2.1
2-27	do	7.5	7-20	do	.8
3-20	do	56.2	9- 5	do	.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
BEAR CREEK					
Eli—Sec. 25-34-36 W.					
10-14	C. E. Franklin	5.7	4-26	C. E. Franklin	14.4
10-28	do	4.6	5-10	do	3.8
1-13	do	8.7	5-22	do	6.0
1-30	do	4.7	6-12	do	39.6
2-13	do	10.7	7- 4	do	2.6
2-27	do	10.8	7-20	do	3.3
3-22	do	51.9	9- 5	do	1.0
4- 8	do	30.9			
BOGGY CREEK					
Below Wickersham Diversion Dam—Sec. 31-33-54 W.					
10-19	C. E. Franklin	0.2	5-29	C. E. Franklin	0.1
3-24	do	.0	7-10	do	.1
4-28	do	.2	8-18	do	.2
5-12	do	.1	9-13	do	.1
BORDEAUX CREEK, BIG					
Below Thomas Canal—Sec. 34-34-48 W.					
10-12	C. E. Franklin	4.6	4-23	C. E. Franklin	8.5
10-27	do	8.0	5- 7	do	10.6
11-13	do	5.1	5-21	do	9.3
1-11	do	8.3	6-11	do	14.1
1-29	do	7.0	7- 3	do	5.4
2-12	do	9.3	7-19	do	4.3
2-26	do	9.1	8- 7	do	2.7
3-19	do	15.1	8-16	do	2.2
4- 6	do	12.1	9- 4	do	2.0
BORDEAUX CREEK, BIG					
Chadron—Sec.14-33-48 W.					
10-12	C. E. Franklin	2.7	4-23	C. E. Franklin	3.5
10-27	do	4.0	5- 7	do	3.5
11-13	do	2.2	5-21	do	3.2
1-11	do	4.4	6-11	do	3.4
1-29	do	4.2	7- 3	do	2.5
2-12	do	2.6	7-19	do	2.7
2-26	do	2.9	8- 7	do	1.9
3-19	do	6.8	8-16	do	4.3
4- 6	do	5.2	9- 4	do	2.7

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
BORDEAUX CREEK, LITTLE					
Below Hartzell Canal—Sec. 13-33-48 W.					
10-12	C. E. Franklin	3.3	4-23	C. E. Franklin	4.6
10-27	do	2.0	5- 7	do	3.5
11-13	do	2.1	5-21	do	3.2
1-11	do	3.0	6-11	do	4.3
1-29	do	3.4	7- 3	do	2.3
2-12	do	3.4	7-19	do	2.3
2-26	do	5.0	8- 7	do	1.0
3-19	do	4.1	8-16	do	2.2
4- 6	do	4.8	8- 4	do	1.3
BUFFALO CREEK					
Elm Creek—Sec. 33-9-18 W.					
10- 3	A. C. Hilpert	45.8	5- 2	A. C. Hilpert	3.6
10-11	do	61.5	5-23	do	10.6
10-20	do	19.1	6- 5	do	87.0
11-13	do	3.4	6-13	do	294.0
11-21	do	3.0	6-21	do	50.7
12-14	do	3.0	6-29	do	46.0
12-22	do	4.0	7- 6	do	23.6
2- 7	do	4.0	7-20	do	54.9
3- 1	do	2.6	7-27	do	76.2
3- 8	do	3.5	8- 8	do	10.6
3-16	do	6.0	8-21	do	98.7
3-22	do	1.8	8-30	do	35.5
3-29	do	3.5	9- 8	do	18.9
4- 6	do	6.4	9-17	do	60.7
4-24	do	3.3	9-27	do	31.8
BULL DRAIN					
Maxwell—Sec. 19-13-28 W.					
10-12	A. C. Hilpert	0.0	6- 2	A. C. Hilpert	0.2
10-19	do	.0	6-12	do	.5
2-28	do	.5	6-22	do	.2
3- 8	do	.5	6-27	do	.2
3-17	do	1.0	7-10	do	.2
3-26	do	.8	7-24	do	.1
4- 5	do	1.0	8- 1	do	.0
4-20	do	1.1	8-10	do	.0
4-26	do	.2	9- 1	do	.0
5- 1	do	.3	9-12	do	.0
5-14	do	.2	9-19	do	.0
5-25	do	.2	7-23	do	.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
CEDAR BRANCH CREEK					
Nevins—Sec. 17-14-35 W.					
10-17	A. C. Hilpert	1.2	8- 3	A. C. Hilpert	0.7
11-24	do	1.0	8-14	do	1.1
5-11	do	1.2	8-24	do	1.9
5-28	do	1.6	9- 5	do	1.0
6- 9	Mount-Kimmel	1.8	9-12	do	1.6
7- 6	C. R. Mount	1.8	9-20	do	1.3
CEDAR CREEK					
Below Grote Reservoir—Sec. 3-32-56 W.					
5-29	C. E. Franklin	0.0	7-12	C. E. Franklin	0.3
CEDAR CREEK					
Above Grote Reservoir—Sec. 3-32-56 W.					
5-29	C. E. Franklin	0.1	7-12	C. E. Franklin	0.2
CEDAR CREEK					
Sec. 11-18-48 W.					
11- 9	J. P. Hansen	9.5	4- 2	J. P. Hansen	12.7
11-28	C. E. Franklin	11.1	4- 9	do	12.9
12-12	J. P. Hansen	13.0	5- 2	do	12.3
1- 8	do	11.6	5-17	do	11.9
1-22	do	12.0	6-18	do	21.5
1-29	do	11.8	6-25	C. R. Mount	10.7
2-12	do	12.7	7- 7	do	9.0
2-19	do	11.9	7-14	do	13.2
2-26	do	14.2	7-22	do	11.4
3- 5	do	11.6	8- 6	do	24.9
3-12	do	13.1	8-21	do	9.6
3-19	do	12.4	9-10	do	20.7
3-26	do	11.9	9-20	do	15.0
CHADRON CREEK					
Sec. 15-33-49 W.					
6-16	C. E. Franklin	7.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
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CHADRON CREEK

Station 36 of Pipe Line—Sec. 12-32-49 W.

10- 7	C. E. Franklin	0.0	4-23	C. E. Franklin	0.7
10-27	do	.4	5- 7	do	1.4
11-13	do	1.3	5-21	do	2.2
12-18	do	2.0	6-11	do	2.3
1- 8	do	1.5	7- 3	do	.1
1-29	do	.8	7-19	do	.1
2-12	do	.6	8- 7	do	.1
2-26	do	.5	8-17	do	.0
3-19	do	1.1	8-31	do	.0
4- 6	do	.6			

CHADRON CREEK

One-half Mile above City Reservoir—Sec. 19-32-48 W.

10- 7	C. E. Franklin	0.9	4-23	C. E. Franklin	3.0
10-27	do	1.3	5- 7	do	3.6
11-13	do	2.4	5-21	do	3.3
12-18	do	3.2	6-11	do	5.0
1- 8	do	3.2	7- 3	do	2.0
1-29	do	3.4	7-19	do	1.3
2-12	do	1.6	8- 7	do	1.9
2-26	do	2.8	8-17	do	1.1
3-19	do	3.1	8-31	do	1.3
4- 6	do	3.8			

CHADRON CREEK

500 Feet below City Reservoir—Sec. 18-32-48 W.

10- 7	C. E. Franklin	0.3	4-23	C. E. Franklin	0.2
10-27	do	.4	5- 7	do	.5
11-13	do	.3	5-21	do	.5
12-18	do	.3	6-11	do	.4
1- 8	do	.4	7- 3	do	.3
1-29	do	.3	7-19	do	.3
2-12	do	.3	8- 7	do	.2
2-26	do	.3	8-16	do	.1
3-19	do	.4	8-31	do	.2
4- 6	do	.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
CLEAR CREEK					
Sec. 5-15-41 W.					
2- 2	J. P. Hansen	9.2	5-30	J. P. Hansen	6.9
2-14	do	7.4	6-22	do	8.1
2-20	do	7.8	6-29	C. R. Mount	7.1
2-28	do	8.7	7- 6	do	6.6
3-14	do	8.6	7-19	do	6.6
3-23	do	5.6	7-26	do	3.1
3-28	do	6.8	8- 8	do	10.2
4- 7	do	6.6	8-23	do	8.7
4-30	do	9.5	9-25	do	8.0
5-17	do	5.1			
CLEVELAND DRAIN					
Sec. 6-20-52 W.					
10-11	J. P. Hansen	5.8	4-28	J. P. Hansen	1.5
10-23	do	10.6	5- 7	do	1.5
11-22	do	3.2	5-18	do	1.1
11-29	do	2.3	6- 2	do	15.9
2-19	E. S. Kimmel	1.7	6-17	do	26.6
2-26	do	1.8	8- 3	C. R. Mount	5.2
3-26	do	3.8	8-28	do	8.0
4- 2	do	2.2	9-19	do	22.1
COED DRAIN					
Sec. 20-22-55 W.					
11-21	J. P. Hansen	7.1	12-18	J. P. Hansen	6.5
COLD WATER CREEK					
Sec. 34-18-46 W.					
2-12	J. P. Hansen	1.3	6-29	C. R. Mount	1.3
3-26	do	.0	7-21	do	.2
5- 2	do	.3	8- 6	do	.4
5-29	do	2.9	8-21	do	.3
6- 6	Mount-Kimmel	1.2	9-20	do	17.1
6-19	J. P. Hansen	1.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
COTTONWOOD CREEK					
Dunlap—Sec. 27-29-48 W.					
10- 7	C. E. Franklin	0.2	5- 7	C. E. Franklin	2.4
10-27	do	.9	5-21	do	1.2
11-13	do	.3	6-11	do	3.5
12-18	do	2.9	7- 3	do	1.2
1- 8	do	2.7	7-19	do	.1
2-12	do	1.8	8- 6	do	.2
2-26	do	1.1	8-17	do	.1
3-19	do	3.4	8-31	do	.1
4- 6	do	.8	9-22	do	.1
4-23	do	1.4			
COTTONWOOD CREEK, BIG					
Sec. 22-33-50 W.					
10-11	C. E. Franklin	0.6	6- 1	C. E. Franklin	2.4
11- 3	do	.5	6-16	do	19.9
11-16	do	.4	7- 8	do	.1
2-17	do	1.1	7-23	do	.8
3-23	do	.7	8- 7	do	.7
4-27	do	.2	9-10	do	1.2
5-11	do	.3			
COTTONWOOD CREEK, LITTLE					
Sec. 8-32-52 W.					
10-30	C. E. Franklin	0.0	7- 9	C. E. Franklin	0.3
11-17	do	1.1	7-24	do	.0
3-23	do	2.9	8- 8	do	.3
5-31	do	3.9	9-11	do	.0
6-19	do	3.0			
DAWSON COUNTY DRAIN NO. 2					
Darr—Sec. 25-10-23 W.					
10- 4	A. C. Hilpert	3.6	5-16	A. C. Hilpert	0.4
10-12	do	2.8	5-24	do	.9
10-19	do	3.3	6- 6	do	5.4
10-28	do	2.4	6-14	do	6.2
11-14	do	1.1	6-22	do	5.0
11-22	do	1.1	6-30	do	4.4
12-14	do	1.1	7- 7	do	4.4
12-23	do	1.0	7-21	do	4.5
2- 8	do	1.5	7-28	do	3.8
2-21	do	1.4	8- 9	do	7.8
3- 2	do	1.0	8-17	do	5.6
3-16	do	1.0	8-30	do	4.3
3-22	do	.8	9- 8	do	4.1
3-30	do	1.0	9-18	do	4.1
4- 6	do	.8	9-29	do	3.6
4-26	do	.7			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
DEAD HORSE CREEK					
Sec. 32-33-49 W.					
10-17	C. E. Franklin	0.8	5-11	C. E. Franklin	4.2
11- 3	do	3.2	6- 1	do	1.9
11-16	do	2.1	6-19	do	3.2
1- 9	do	1.4	7- 8	do	2.5
2-17	do	.9	7-23	do	.7
3-23	do	4.6	8- 7	do	.6
4-27	do	3.8	9-10	do	.0
DeGRAW DRAIN					
Sec. 24-20-51 W.					
10-12	J. P. Hansen	3.0	4-28	J. P. Hansen	6.1
1-12	do	4.7	5-18	do	2.3
2-23	E. S. Kimmel	7.4	7-15	do	2.0
4- 6	do	5.8			
DRINGMAN DRAIN					
Sec. 32-13-33 W.					
11-20	A. C. Hilpert	3.8	4- 9	A. C. Hilpert	7.1
12-20	do	3.6	5- 4	do	7.1
1-11	do	4.9	6-19	do	6.3
2-14	do	6.3	8-27	do	5.3
DRY CREEK					
To Cottonwood Lake—South Line of Sec. 16-34-37 W.					
10-14	C. E. Franklin	0.3	4- 8	C. E. Franklin	0.0
10-28	do	.3	4-25	do	.0
11-15	do	.0	5- 8	do	2.1
1-13	do	.0	5-22	do	2.0
2-13	do	1.4	6-12	do	.0
2-27	do	.0	7- 4	do	.0
3-20	do	.0	7-20	do	.0
3-22	do	.0	9- 5	do	.0
DRY CREEK					
Merriman—Sec. 17-34-37 W.					
10-14	C. E. Franklin	0.0	4- 8	C. E. Franklin	7.9
10-28	do	.6	4-25	do	3.9
11-15	do	1.5	5- 8	do	2.7
1-13	do	4.6	5-22	do	4.1
1-30	do	3.0	6-12	do	29.6
2-13	do	14.2	7- 4	do	1.0
2-27	do	.7	7-20	do	.1
3-20	do	17.5	9- 5	do	.0
3-22	do	11.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
DUGOUT CREEK, UPPER					
Sec. 20-20-50 W.					
10-12	J. P. Hansen	8.9	5-29	E. S. Kimmel	51.8
11-29	C. E. Franklin	4.5	6- 4	Mount-Kimmel	39.1
1-12	J. P. Hansen	3.0	6-17	J. P. Hansen	9.9
2- 9	E. S. Kimmel	3.0	7-15	do	8.4
2-23	do	2.4	8- 2	C. R. Mount	35.9
3- 3	do	2.1	8-10	do	57.5
3-16	do	1.6	8-13	do	58.4
4- 6	do	1.1	9- 4	do	6.2
4-28	J. P. Hansen	.9	9-21	do	22.3
5-19	do	.2			
ELM CREEK					
Elm Creek—Sec. 33-9-18 W.					
10- 3	A. C. Hilpert	6.4	5-15	A. C. Hilpert	0.0
10-11	do	.0	5-23	do	.0
10-20	do	.0	6- 5	do	24.1
10-27	do	.0	6- 6	do	290.0
11-13	do	.0	6-13	do	2.5
11-21	do	.0	6-21	do	.5
12-14	do	.0	6-29	do	.5
12-22	do	.0	7- 6	do	2.5
2- 7	do	.0	7-20	do	10.6
3- 1	do	.0	7-27	do	6.8
3- 8	do	.0	8- 8	do	.0
3-16	do	.0	8-21	do	.0
3-22	do	.0	8-30	do	23.9
3-29	do	.0	9- 8	do	2.5
4- 6	do	.0	9-17	do	14.2
4-24	do	.0	9-27	do	.5
5- 2	do	.0			
FAIRFIELD SEEP					
Sec. 18-21-53 W.					
11-29	J. P. Hansen	0.6	3-26	E. S. Kimmel	0.6
1-30	E. S. Kimmel	.1	4- 3	do	.8
2-19	do	.1	5- 8	J. P. Hansen	.2
3-14	do	.6			
FANNING SEEP					
One-half Mile North of Mitchell Bridge—Sec. 28-23-56 W.					
10-21	J. P. Hansen	5.0	3-29	E. S. Kimmel	2.9
12-21	do	3.7	4- 5	do	3.9
1-26	do	4.7	4-26	J. P. Hansen	3.8
2- 8	E. S. Kimmel	4.3	6-14	do	6.2
3- 1	do	5.3	6-28	do	4.9
3-15	do	3.0	8-29	C. R. Mount	3.7

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
FREMONT SLOUGH					
North Platte—Sec. 16-13-30 W.					
10-10	A. C. Hilpert	6.3	4-11	A. C. Hilpert	21.1
10-18	do	10.2	4-28	do	21.7
11- 6	do	14.0	5- 8	do	15.0
11-23	do	16.8	5-21	do	17.6
12- 1	do	12.8	5-31	do	44.3
12-15	do	28.1	6-11	do	70.3
12-26	do	17.1	7- 2	do	18.4
1- 6	do	13.5	7-13	do	25.7
2-13	do	29.3	7-26	do	74.2
2-22	do	24.4	8- 7	do	26.6
3- 7	do	28.2	8-23	do	22.2
3-19	do	22.5	9-10	do	13.1
3-31	do	16.4	9-24	do	18.0
GERING DRAIN					
Sec. 6-21-54 W.					
10-10	J. P. Hansen	81.1	3-27	E. S. Kimmel	26.9
10-22	do	39.8	4- 2	do	29.2
11-22	do	35.4	4-26	J. P. Hansen	26.4
12- 2	do	35.7	5- 9	do	24.5
12-22	do	32.8	5-25	do	30.4
1- 4	do	32.9	6-22	Mount-Kimmel	79.7
2- 1	E. S. Kimmel	29.3	6-26	J. P. Hansen	41.2
2- 8	do	30.4	7-17	do	58.8
2-21	do	29.9	8-18	C. R. Mount	133.0
2-26	do	28.3	8-29	do	64.7
3-14	do	27.1	9-15	do	109.0
GORDON CREEK					
Valentine—Sec.30-33-28 W.					
10-15	C. E. Franklin	5.4	6-13	C. E. Franklin	10.8
1-31	do	8.8	7- 5	do	10.3
3-21	do	6.0	7-21	do	4.2
4-26	do	8.0	9- 6	do	5.4
5- 9	do	16.9			
GRAVEL CREEK					
Sec. 9-14-36 W.					
11-24	A. C. Hilpert	2.2	5-11	A. C. Hilpert	2.1
GROTE SPRING					
Sec. 3-32-56					
5-29	C. E. Franklin	0.0	7-12	C. E. Franklin	0.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
HERSHEY DRAIN					
Sec. 33-14-32 W.					
10-18	A. C. Hilpert	15.0	5- 4	A. C. Hilpert	17.4
10-26	do	15.8	5-19	do	17.0
11-20	do	16.8	5-29	do	23.5
12- 2	do	17.0	6- 8	do	25.4
12-12	do	20.2	6-26	do	19.5
12-20	do	17.2	7- 5	do	17.2
1- 4	do	19.7	7-13	do	17.1
2- 2	do	16.3	7-25	do	21.7
2-15	do	18.7	8- 7	do	15.6
3- 7	do	18.9	8-17	do	16.8
4- 2	do	17.4	8-27	do	19.1
4- 9	do	18.4	9- 6	do	17.4
4-19	do	21.5	9-14	do	18.9
4-27	do	17.7	9-20	do	20.3
INDIAN CREEK					
Northport Wye—Sec. 19-20-50 W.					
10-12	J. P. Hansen	13.1	5-19	J. P. Hansen	4.0
11-29	C. E. Franklin	11.3	5-29	E. S. Kimmel	28.3
1-12	J. P. Hansen	5.1	6- 4	Mount-Kimmel	33.4
2- 2	E. S. Kimmel	6.1	6-17	J. P. Hansen	8.0
2-23	do	6.0	7-15	do	8.1
3- 3	do	6.2	8- 2	C. R. Mount	16.4
3-16	do	5.9	8-10	do	17.5
4- 6	do	5.7	9- 4	do	21.5
4-28	J. P. Hansen	4.8	9-26	do	15.7
5- 4	do	4.5			
INDIAN CREEK					
Sec. 16-32-50 W.					
10-17	C. E. Franklin	0.0	5-11	C. E. Franklin	1.1
11- 3	do	.0	5-31	do	.7
11-16	do	.0	6-19	do	.9
1-29	do	.0	7- 8	do	.9
2-16	do	.0	7-23	do	.2
3-23	do	.7	8- 7	do	.0
4-27	do	.6	9-10	do	.0
JIM CREEK					
Above High Line Canal—Sec. 13-33-57 W.					
10-19	C. E. Franklin	0.1	7-26	C. E. Franklin	0.2
10-31	do	.2	9-12	do	.4
7-10	do	.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
JIM CREEK					
Below D-543—Sec. 13-33-57 W.					
10-19	C. E. Franklin	0.5	7-26	C. E. Franklin	0.2
10-31	do	.3	8-18	do	.2
1-28	do	.2	9-12	do	.4
7-10	do	.3			
JIM CREEK					
NW¼SW¼ Sec. 13-33-57 W.					
10-31	C. E. Franklin	0.4	7-26	C. E. Franklin	0.2
5-26	do	.5	8-18	do	.4
7-10	do	.5	9-12	do	.3
JIM CREEK					
NW¼SW¼ Sec. 13-33-57 W.					
10-19	C. E. Franklin	0.1	5-26	C. E. Franklin	0.3
10-31	do	.2	7-10	do	.2
3-24	do	.9	7-26	do	.2
4-28	do	.6	8-18	do	.2
5-24	J. J. Rasmussen	.4	9-12	do	.3
JIM CREEK					
Sec. 8-33-56 West Line					
10-19	C. E. Franklin	0.0	7-10	C. E. Franklin	0.0
10-31	do	.0	7-26	do	.0
3-24	do	.2	8-18	do	.0
4-28	do	.0	9-12	do	.0
5-26	do	.0			
JIM CREEK					
SW¼SE¼ Sec. 7-33-56 W.					
10-19	C. E. Franklin	0.2	7-10	C. E. Franklin	0.3
10-31	do	.3	7-26	do	.9
1-28	do	.3	8-18	do	.1
5-26	do	.3	9-12	do	.4
JIM CREEK					
Sec. 18-33-56					
7-10	C. E. Franklin	0.4	8-18	C. E. Franklin	0.2
7-26	do	.3	9-12	do	.4

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
TOE DRAIN #20 (KINGSLEY DAM SEEPAGE)					
Sec. 3-14-38 W.					
10-17	A. C. Hilpert	0.0	3-28	J. P. Hansen	0.0
11-17	do	.0	4- 5	do	.0
12-20	do	.0	4-30	do	.0
2- 1	do	.0	5-16	do	.0
2-15	J. P. Hansen	.0	5-31	do	.0
2-20	do	.0	6-22	do	.0
3- 1	do	.0	7-12	C. R. Mount	.0
3-14	do	.0	9- 8	do	.0
3-22	do	.0			
TOE DRAIN #30 (KINGSLEY DAM SEEPAGE)					
Sec. 3-14-38 W.					
10-17	A. C. Hilpert	0.0	3-28	J. P. Hansen	0.0
11-17	do	.0	4- 5	do	.0
12-20	do	.0	4-30	do	.0
2- 1	do	.0	5-16	do	.0
2-15	J. P. Hansen	.0	5-31	do	.0
2-20	do	.0	6-22	do	.0
3- 1	do	.0	7-12	C. R. Mount	.0
3-14	do	.0	9- 8	do	.0
3-22	do	.0			
TOE DRAIN #40 (KINGSLEY DAM SEEPAGE)					
Sec. 3-14-38 W.					
10-17	A. C. Hilpert	0.0	3-28	J. P. Hansen	0.0
11-17	do	.0	4- 5	do	.0
12-20	do	.0	4-30	do	.0
2- 1	do	.0	5-16	do	.0
2-15	J. P. Hansen	.0	5-31	do	.0
2-20	do	.0	6-22	do	.0
3- 1	do	.0	7-12	C. R. Mount	.0
3-14	do	.0	9- 8	do	.0
3-22	do	.0			
TOE DRAIN #50 (KINGSLEY DAM SEEPAGE)					
Sec. 34-15-38 W.					
10-17	A. C. Hilpert	0.0	3-28	J. P. Hansen	0.0
11-17	do	.0	4- 5	do	.0
12-20	do	.0	4-30	do	.0
2- 1	do	.0	5-16	do	.0
2-15	J. P. Hansen	.0	5-31	do	.0
2-20	do	.0	6-22	do	.0
3- 1	do	.0	7-12	C. R. Mount	.0
3-14	do	.0	9- 8	do	.0
3-22	do	.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
TOE DRAIN #60 (KINGSLEY DAM SEEPAGE)					
Sec. 34-15-38 W.					
10-17	A. C. Hilpert	0.5	3-28	J. P. Hansen	0.4
11-17	do	.2	4- 5	do	.3
12-20	do	.2	4-30	do	.6
2- 1	do	.2	5-16	do	.5
2-15	J. P. Hansen	.6	5-31	do	.6
2-20	do	.5	6-22	do	.5
3- 1	do	.6	7-12	C. R. Mount	1.4
3-14	do	.6	9- 8	do	1.1
3-22	do	.5			
TOE DRAIN #70 (KINGSLEY DAM SEEPAGE)					
Sec. 34-15-38 W.					
10-17	A. C. Hilpert	2.5	3-28	J. P. Hansen	4.0
11-17	do	3.3	4- 5	do	3.6
12-20	do	4.4	4-30	do	4.1
2- 1	do	4.1	5-16	do	3.3
2-15	J. P. Hansen	3.1	5-31	do	5.9
2-20	do	3.7	6-22	do	4.3
3- 1	do	3.7	7-12	C. R. Mount	2.7
3-14	do	3.4	9- 8	do	4.6
3-22	do	3.9			
TOE DRAIN #80 (KINGSLEY DAM SEEPAGE)					
Sec. 34-15-38 W.					
10-17	A. C. Hilpert	5.5	3-28	J. P. Hansen	5.6
11-17	do	6.8	4- 5	do	5.6
12-20	do	6.0	4-30	do	6.6
2- 1	do	5.3	5-16	do	7.1
2-15	J. P. Hansen	6.9	5-31	do	6.3
2-20	do	7.3	6-22	do	6.2
3- 1	do	5.8	7-12	C. R. Mount	8.9
3-14	do	6.6	9- 8	do	8.6
3-22	do	6.4			
TOE DRAIN #94 (KINGSLEY DAM SEEPAGE)					
Sec. 34-15-38 W.					
10-17	A. C. Hilpert	0.0	3-22	J. P. Hansen	0.0
11-17	do	.0	4- 5	do	.0
12-20	do	.0	4-30	do	0
2- 1	do	.0	5-16	do	.0
2-15	J. P. Hansen	.0	5-31	do	.0
2-20	do	.0	6-22	do	.0
3- 1	do	.0	7-12	C. R. Mount	.0
3-14	do	.0	9- 8	do	0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
TOE DRAIN #100 (KINGSLEY DAM SEEPAGE)					
Sec. 34-15-38 W.					
10-17	A. C. Hilpert	0.0	4- 5	J. P. Hansen	0.0
11-17	do	.0	4-30	do	.0
12-20	do	.0	5-16	do	.0
2- 1	do	.0	5-31	do	.0
2-20	J. P. Hansen	.0	6-22	do	.0
3-14	do	.0	7-12	C. R. Mount	0
3-22	do	.0	9- 8	do	.0
LANE DRAIN					
Sec. 30-23-57 W.					
10-20	J. P. Hansen	3.4	2-22	E. S. Kimmel	1.6
11-20	do	2.2	4-24	J. P. Hansen	1.1
12-19	do	2.1	5-10	do	.6
1-25	do	1.3	6-16	do	2.2
1-31	E. S. Kimmel	2.2	7-20	do	4.1
LARABEE CREEK					
Sec. 6-34-44 W.					
11-15	C. E. Franklin	3.4	5- 8	C. E. Franklin	5.9
1-18	do	2.8	5-21	do	6.1
1-29	do	3.1	6-14	do	6.9
2-28	do	4.6	7- 6	do	4.9
4- 7	do	6.7	7-20	do	2.3
4-24	do	4.7	9- 4	do	3.2
LAWRENCE FORK					
Below Randall Dam A-1100—Sec. 21-18-52 W.					
5-26	J. P. Hansen	2.7	7-31	E. S. Kimmel	6.3
7-25	E. S. Kimmel	5.8			
LAWRENCE FORK					
Sec. 36-19-52 W.					
7-25	E. S. Kimmel	1.2	7-31	E. S. Kimmel	2.6
LAWRENCE FORK					
Below Spring Branch Canal—Sec. 11-18 52 W.					
7-31	E. S. Kimmel	0.7			
LAWRENCE FORK CREEK					
Below Spring Branch Canal—Sec. 12-18-52 W.					
7-25	E. S. Kimmel	0.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LAWRENCE FORK CREEK					
50 Feet below Crigler—Sec. 1-18-52 W.					
7-25	E. S. Kimmel	0.0	7-31	E. S. Kimmel	1.2
LAWRENCE FORK CREEK					
At highway 0.7 mile east of Redington—Sec. 25-19-52 W.					
7-25	E. S. Kimmel	0.0	7-31	E. S. Kimmel	0.0
7-25	do	.0	7-31	do	.0
LAWRENCE FORK CREEK					
Below Laing Canal—Sec. 28-18-52 W.					
7-31	E. S. Kimmel	0.0			
LINCOLN COUNTY DRAIN NO. 1					
North Platte—Sec. 30-14-30 W.					
10-18	A. C. Hilpert	72.0	5- 7	A. C. Hilpert	27.0
10-26	do	76.1	5-21	do	30.5
11- 6	do	61.7	5-31	do	51.0
11-20	do	49.7	6- 5	do	56.9
12- 4	do	46.4	6-26	do	55.2
12-21	do	44.2	7- 5	do	55.5
1- 6	do	40.4	7-12	C. R. Mount	62.0
2-15	do	33.6	7-25	A. C. Hilpert	77.3
2-27	do	35.1	8- 7	do	86.6
3-16	J. P. Hansen	32.6	8-17	do	96.0
3-27	A. C. Hilpert	31.2	8-27	do	84.9
4-11	do	27.5	9- 6	do	89.6
4-19	do	32.1	9-15	do	97.8
4-28	do	28.7	9-24	do	99.2
LINCOLN COUNTY DRAIN NO. 2					
Sec. 12-14-33 W.					
10- 9	A. C. Hilpert	94.2	4-27	A. C. Hilpert	1.4
10-16	do	2.9	5- 4	do	1.6
11- 6	do	2.7	5-12	do	1.0
11-20	do	1.0	5-19	do	1.3
12- 2	do	1.6	6- 7	do	5.1
12-19	do	2.8	6-19	do	2.9
1- 4	do	1.5	6-26	do	2.5
1-29	do	1.5	7- 3	do	2.8
2-14	do	2.5	7-13	do	2.3
2-24	do	2.2	8- 3	do	1.7
3- 7	do	2.0	8-14	do	3.6
3-17	J. P. Hansen	2.0	8-27	do	4.9
4- 2	A. C. Hilpert	1.0	9- 5	do	2.7
4- 9	do	2.1	9-14	do	4.0
4-19	do	1.2	9-21	do	2.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LOGEPOLE CREEK					
Wyoming-Nebraska Line—Sec. 11-14-59 W.					
10- 3	C. E. Franklin	2.7	4-18	C. E. Franklin	10.0
10-23	do	4.1	5- 1	do	5.8
11- 8	do	4.6	5-19	Franklin-Hanna	5.5
11-22	do	3.7	6- 9	do	8.6
12-27	do	6.3	6-29	do	5.0
1-23	do	6.3	7-17	do	3.8
2- 7	do	6.3	8- 2	do	17.9
2-21	do	6.8	8-28	do	3.5
3- 6	do	7.8	9-29	do	3.7
3-28	do	7.9			

LOGEPOLE CREEK					
Below Oliver Reservoir—Sec. 31-15-56 W.					
10- 3	C. E. Franklin	1.5	4-18	C. E. Franklin	3.7
10-22	do	2.5	5- 1	do	3.3
11- 8	do	1.8	5-19	Franklin-Hanna	3.4
11-22	do	2.0	6- 9	do	3.7
12-27	do	3.1	6-29	do	1.5
1-23	do	3.1	7-17	do	1.1
2- 7	do	3.7	8- 3	do	1.3
2-20	do	4.6	8-28	do	4.1
3- 5	do	2.0	9-29	C. E. Franklin	3.8
3-28	do	3.0			

LOGEPOLE CREEK					
Kimball—Sec. 29-15-55 W.					
10- 2	C. E. Franklin	0.0	4-18	C. E. Franklin	13.2
10-22	do	8.7	5- 1	do	8.0
11- 8	do	5.3	5-19	Franklin-Hanna	6.3
11-22	do	9.7	6- 9	do	12.2
12-27	do	10.6	6-30	C. E. Franklin	6.0
1-23	do	8.2	7-18	Franklin-Hanna	3.2
2- 7	do	10.4	8- 3	do	14.9
2-22	do	14.0	8- 4	C. E. Franklin	221.0
3- 5	do	8.6	8-29	do	1.1
3-28	do	9.7	9-30	Franklin-Hanna	7.7

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Dix—Sec. 26-15-54 W.					
10- 4	C. E. Franklin	0.0	4-19	C. E. Franklin	8.7
10-23	do	.0	5- 2	do	3.8
11- 9	do	.0	5-18	do	3.6
11-22	do	.0	6- 5	do	17.1
12-27	do	.0	6-28	do	6.6
1-24	do	.0	7-16	do	.0
2- 8	do	4.0	7-31	do	.0
2-22	do	5.2	8-27	do	.0
3- 7	do	8.5	9-27	do	.0
3-28	do	4.7			
LODGEPOLE CREEK					
Potter—Sec. 6-14-52 W.					
10- 4	C. E. Franklin	0.0	3-28	C. E. Franklin	0.0
10-23	do	.0	5-18	do	.0
11- 9	do	.0	6- 5	do	.0
11-22	do	.0	6-28	do	.0
12-29	do	.0	7-16	do	.0
1-24	do	.0	8-27	do	.0
2- 8	do	.0	9-27	do	.0
2-22	do	.0			
LODGEPOLE CREEK					
Sidney—Sec. 31-14-49 W.					
10- 4	C. E. Franklin	0.8	3-28	C. E. Franklin	0.1
10-23	do	.6	5- 2	do	.4
11- 9	do	.8	5-17	do	.9
11-22	do	.6	6- 5	do	14.2
12-29	do	1.0	6-25	do	2.6
1-24	do	.0	7-16	do	1.0
2- 8	do	.1	7-30	do	.4
2-22	do	.2	8-27	do	.8
3- 7	do	.3	9-27	do	.6
LODGEPOLE CREEK					
Below Krueger's Lake—Sec. 29-14-48 W.					
10- 4	C. E. Franklin	5.8	3-28	C. E. Franklin	5.7
10-23	do	6.4	4-19	do	6.4
11- 9	do	7.0	5- 4	do	9.3
11-23	do	6.2	5-17	do	.4
12-29	do	5.9	6- 8	do	1.0
1-24	do	11.6	6-28	do	.2
2- 8	do	7.2	7-13	do	.1
2-22	do	6.0	8-27	do	8.2
3- 7	do	8.5	9-27	do	1.7

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LOGEPOLE CREEK					
South of Sunol—Sec. 36-14-48 W.					
10- 4	C. E. Franklin	2.8	4-19	C. E. Franklin	5.1
10-25	do	5.5	5- 4	do	4.6
11-10	do	3.6	5-17	do	1.8
11-23	do	8.0	6- 8	do	6.8
12-29	do	4.6	6-28	do	2.4
1-24	do	.9	7-13	do	4.2
2- 8	do	1.0	7-30	do	2.2
2-24	do	3.5	8-27	do	4.3
3- 7	do	2.7	9-27	do	6.5
3-28	do	1.9			

LOGEPOLE CREEK					
Lodgepole—Sec. 30-14-46 W.					
10- 4	C. E. Franklin	0.0	4-19	C. E. Franklin	9.4
10-25	do	.0	5- 2	do	9.4
11-10	do	7.2	5-17	do	12.9
11-23	do	8.4	6- 7	do	26.3
12-29	do	3.6	6-27	do	17.1
1-24	do	9.3	7-16	do	5.3
2- 8	do	9.4	7-30	do	.0
2-24	do	10.3	8-27	do	9.3
3- 7	do	9.4	9-27	do	6.0
3-28	do	9.4			

LOGEPOLE CREEK					
Chappell—Sec. 21-13-45 W.					
10- 4	C. E. Franklin	7.2	4-21	C. E. Franklin	14.0
10-25	do	5.8	5- 4	do	17.6
11-10	do	15.3	5-16	do	11.0
11-23	do	8.8	6- 7	do	54.1
12-29	do	7.6	6-25	do	22.7
1-24	do	9.2	7-14	do	9.4
2- 8	do	17.4	7-31	do	2.9
2-24	do	23.5	8-27	do	29.1
3- 8	do	18.0	9-27	do	12.2
3-31	do	17.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Colorado-Nebraska Line, Interstate Station at Ralton—Sec. 12-12-45 W.					
10- 4	C. E. Franklin	11.2	4-21	C. E. Franklin	16.9
10-25	do	9.2	5- 4	do	15.9
11-10	do	9.1	5-16	do	16.8
11-23	do	13.9	6- 7	do	65.6
12-29	do	11.8	6-25	do	32.0
1-24	do	15.6	7-14	do	11.2
2-10	do	27.4	7-31	do	3.3
2-24	do	22.6	8-27	do	43.8
3- 8	do	22.8	9-27	do	13.8
3-31	do	19.0			
LONERGAN CREEK					
Lemoyne—Sec. 17-15-39 W.					
2- 2	J. P. Hansen	5.1	5-30	J. P. Hansen	6.3
2-14	do	6.5	6-22	do	5.6
2-20	do	5.8	6-29	C. R. Mount	6.7
2-28	do	5.7	7- 6	do	5.4
3-14	do	5.5	7-19	do	5.8
3-23	do	5.0	7-26	do	5.7
3-28	do	6.6	8- 8	do	5.0
4- 7	do	5.8	8-23	do	4.5
4-30	do	7.0	9-25	do	5.6
5-17	do	6.8			
MELBETA DRAIN					
One-half Mile West of Melbeta Bridge—Sec. 13-21-54 W.					
10-11	J. P. Hansen	13.3	4- 2	E. S. Kimmel	2.6
10-22	do	5.4	5- 8	J. P. Hansen	1.5
11-22	do	1.8	5-21	do	4.6
12-22	do	2.5	6-22	Mount-Kimmel	2.3
1-30	E. S. Kimmel	3.6	6-30	J. P. Hansen	2.3
2-19	do	3.6	7-17	do	.0
2-26	do	3.1	8-28	C. R. Mount	3.7
3-14	do	2.5	9-15	do	15.6
3-26	do	4.1			
MINNECHADUZA CREEK					
Near Valentine—Sec. 23-34-29 W.					
10-16	C. E. Franklin	19.8	4-26	C. E. Franklin	34.5
10-29	do	17.5	5-10	do	28.7
1-17	do	27.8	5-22	do	42.4
1-30	do	28.8	6-14	do	77.6
2-15	do	90.4	7- 6	do	26.6
3-22	do	50.8	7-20	do	15.8
4-11	do	47.0	9- 8	do	15.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
MONROE CREEK					
Above Reservoir—Sec. 14-33-56 W.					
3-24	C. E. Franklin	1.1	6-17	Franklin-Rasmussen	0.6
4-28	do	1.6	7-10	C. E. Franklin	.6
5-12	do	.7	8-18	do	.1
5-28	do	.8	9-12	do	.1
MONROE CREEK					
Below Monroe Canal—Sec. 33-33-56 W.					
10-19	C. E. Franklin	0.0	6-17	Franklin-Rasmussen	0.0
10-31	do	.2	6-21	C. E. Franklin	.0
3-24	do	1.8	7-10	do	.0
4-28	do	1.5	7-26	do	.0
5-12	do	.2	8-18	do	.0
5-26	do	.0	9-12	do	.0
MONROE CREEK					
Above Jordan Reservoir—Sec. 23-33-56 W.					
10-31	C. E. Franklin	0.1	1-28	C. E. Franklin	0.0
11-17	do	.0			
MONROE CREEK					
Below Jordan Canal—Sec. 22-33-56 W.					
10-19	C. E. Franklin	0.9	1-28	C. E. Franklin	0.3
11-17	do	.6	7-26	do	.5
NIORARA RIVER					
Wyoming-Nebraska State Line—Sec. 20-31-58 W.					
1-28	C. E. Franklin	6.5	7-12	C. E. Franklin	9.3
3-24	do	17.8	7-28	do	4.4
4-28	do	9.4	8-20	do	4.4
5-26	do	6.4	9-18	do	5.2
NIORARA RIVER					
South of Harrison—Sec. 9-29-56 W.					
3-24	C. E. Franklin	0.0	7-28	C. E. Franklin	4.8
5-25	do	7.6	8-20	do	5.7
7-12	do	7.7	9-18	do	6.3
NIORARA RIVER					
Agate—Sec. 7-28-55 W.					
10-21	C. E. Franklin	8.2	5-25	C. E. Franklin	12.1
11-5	do	7.0	7-11	do	8.6
1-20	do	29.0	7-28	do	9.0
3-24	do	28.8	8-20	do	9.9
4-12	do	22.0	9-18	do	10.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
NIOBRARA RIVER					
Below Mouth of Whistle Creek—Sec. 7-28-53 W.					
10-21	C. E. Franklin	11.4	5-25	C. E. Franklin	15.7
11- 5	do	14.5	7-11	do	15.1
1-20	do	40.4	7-27	do	11.6
3-24	do	36.4	9-18	do	7.9
4-12	do	28.3			
NIOBRARA RIVER					
East of Marsland—Sec. 36-29-51 W.					
10-21	C. E. Franklin	22.1	5-25	C. E. Franklin	24.1
11- 5	do	23.1	7-11	do	21.0
1-20	do	37.2	7-27	do	17.1
3-24	do	48.1	9-18	do	16.1
4-12	do	45.0			
NIOBRARA RIVER					
South of Gordon—Sec. 15-31-41 W.					
1-13	C. E. Franklin	174.0	5-10	C. E. Franklin	128.0
1-30	do	104.0	5-23	do	127.0
2-13	do	201.0	6-12	do	293.0
2-28	do	200.0	7- 4	do	83.7
4- 7	do	173.0	9- 5	do	71.7
NIOBRARA RIVER					
Below Dam at Valentine—Sec. 22-34-27 W.					
10-15	C. E. Franklin	612.0	4-26	C. E. Franklin	885.0
10-29	do	829.0	5-10	do	785.0
1-16	do	916.0	5-22	do	792.0
1-31	do	503.0	6-13	do	987.0
2-14	do	1160.0	7- 6	do	660.0
3-22	do	1040.0	7-22	do	653.0
4-11	do	881.0	9- 6	do	583.0
NIOBRARA RIVER					
3 miles South of Butte—Sec. 9-33-13 W.					
1-31	C. E. Franklin	498.0	5- 9	C. E. Franklin	731.0
2-14	do	916.0	7- 5	do	667.0
4-26	do	901.0			
NIOBRARA RIVER					
Bridge below Spencer Power House—Sec. 30-33-11 W.					
1-15	C. E. Franklin	706.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
OTTER CREEK					
Lemoyne—Sec. 32-16-40 W.					
2- 2	J. P. Hansen	20.3	5-30	J. P. Hansen	19.9
2-14	do	21.5	6-14	C. R. Mount	17.4
2-20	do	18.2	6-22	J. P. Hansen	19.6
2-28	do	19.2	6-29	C. R. Mount	20.0
3-14	do	19.4	7- 6	do	17.7
3-23	do	21.3	7-19	do	18.9
3-28	do	21.6	7-26	do	17.3
4- 7	do	21.8	8- 8	do	22.0
4-30	do	19.3	8-23	do	18.4
5-17	do	22.2	9-25	do	21.8
PAWNEE CREEK					
Sec. 4-12-27 W.					
10- 2	A. C. Hilpert	0.2	4-26	A. C. Hilpert	5.8
10-10	do	.3	5- 1	do	6.5
10-19	do	.2	5-14	do	5.8
10-30	do	.2	5-25	do	5.2
11-15	do	.5	6- 2	do	6.5
11-21	do	.3	6-12	do	15.2
12-15	do	2.4	6-22	do	5.3
12-23	do	1.5	6-27	do	6.2
1- 8	do	1.5	7-10	do	8.1
2- 9	do	13.8	7-24	do	1.8
2-21	do	4.8	8- 1	do	1.6
2-28	do	2.1	8-10	do	2.9
3- 8	do	5.2	8-22	do	10.5
3-17	do	6.2	9- 1	do	2.3
3-26	do	5.0	9-12	do	3.0
4- 5	do	5.2	9-19	do	5.2
4-20	do	7.9			
PINE CREEK					
Colclessor Mill—Sec. 33-30-44 W.					
11-15	C. E. Franklin	21.9	5- 8	C. E. Franklin	35.3
1-18	do	24.2	5-21	do	28.9
1-29	do	20.4	6-14	do	46.5
2-12	do	32.2	7- 6	do	19.9
2-28	do	31.6	7-20	do	21.0
4- 7	do	27.9	9- 8	do	20.2
4-24	do	31.2			
PRAIRIE DOG CREEK					
Above D-508, Schilt-Prairie Dog Canal—Sec. 35-33-56 W.					
5-29	C. E. Franklin	0.3	7-12	C. E. Franklin	0.1

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
PRAIRIE DOG CREEK					
Above Confluence with Little Red Creek—Sec. 26-33-56 W.					
10-18	Franklin-Rasmussen	0.0			
PUMPKINSEED CREEK					
Gering-Kimball Highway—Sec. 4-19-55 W.					
10- 2	C. E. Franklin	3.3	3-27	C. E. Franklin	15.4
10-22	do	2.3	4-17	do	19.1
11- 7	do	2.7	5- 1	do	10.1
11-22	do	3.3	6- 4	do	4.9
12-26	do	6.8	6-30	do	4.3
1-22	do	3.1	7-18	do	1.6
2- 5	do	9.5	8- 4	do	1.3
2-20	do	3.9	8-29	do	1.3
3- 5	do	6.3	9-27	do	3.4
PUMPKINSEED CREEK					
Sec. 8-19-54 W.					
6- 4	C. E. Franklin	7.7	8- 4	C. E. Franklin	4.0
7-18	do	1.9			
PUMPKINSEED CREEK					
Above Heard Canal—North Line of Sec. 14-19-54 W.					
5-20	C. E. Franklin	4.7			
RED CREEK, LITTLE					
Above Confluence with Prairie Dog—Sec. 26-33-56 W.					
10-18	Franklin-Rasmussen	0.0			
RED CREEK, LITTLE					
Below Zerbst Canal—Sec. 34-33-56 W.					
10-18	Franklin-Rasmussen	0.1	5-29	C. E. Franklin	0.0
10-30	do	.2	7-12	do	.0
SAND CREEK					
Above New Highway—Sec. 34-16-40 W.					
2- 2	J. P. Hansen	3.7	5-30	J. P. Hansen	4.1
2-14	do	3.4	6-15	C. R. Mount	3.1
2-20	do	3.5	6-22	J. P. Hansen	2.6
2-28	do	3.4	6-29	C. R. Mount	3.5
3-14	do	3.6	7- 6	do	3.6
3-23	do	3.3	7-19	do	4.0
3-28	do	3.6	7-26	do	3.0
4- 7	do	3.9	8- 8	do	3.9
4-30	do	3.9	8-23	do	1.7
6-17	do	3.9	9-25	do	2.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SARBEN SLOUGH					
Sec. 20-14-35 W.					
10-17	A. C. Hilpert	5.0	6-28	C. R. Mount	5.5
10-24	do	4.4	7- 6	do	4.9
11-18	do	3.9	7-12	do	5.4
11-24	do	6.1	7-19	do	7.0
12-12	do	4.9	7-24	do	5.3
12-20	do	5.8	8- 3	A. C. Hilpert	5.8
1- 2	do	4.7	8-14	do	7.4
2- 2	do	4.1	8-24	do	7.6
2-14	do	6.9	9- 5	do	7.4
5-12	do	5.4	9-13	do	6.8
5-28	do	6.2	9-20	do	7.0
6- 8	do	8.2			
SCOTTSBLUFF DRAIN NO. 1					
Sec. 25-22-55 W.					
10-10	J. P. Hansen	12.1	3-27	E. S. Kimmel	7.4
10-22	do	12.4	4- 3	do	7.9
12- 2	do	10.6	4-26	J. P. Hansen	6.8
12-20	do	12.9	5- 9	do	12.0
1- 3	do	11.4	6- 4	do	9.1
1-26	do	9.8	6-14	do	12.8
1-30	E. S. Kimmel	9.8	6-22	Mount-Kimmel	8.8
2- 6	do	8.0	6-27	J. P. Hansen	8.7
2-21	do	8.1	7-13	do	13.2
2-27	do	8.1	8-29	C. R. Mount	13.8
3-14	do	8.1	9-19	do	22.2
SCOTTSBLUFF DRAIN NO. 2					
Sec. 34-22-54 W.					
10-10	J. P. Hansen	6.0	4- 3	E. S. Kimmel	1.5
11-29	do	2.6	4-26	J. P. Hansen	1.4
12-20	do	2.3	6- 4	do	7.4
1-26	do	1.7	6-14	do	5.6
1-30	E. S. Kimmel	1.5	6-19	Mount-Kimmel	4.6
2- 5	Hansen-Kimmel	1.6	6-30	J. P. Hansen	3.0
2-19	E. S. Kimmel	2.0	8-28	C. R. Mount	10.2
3-14	do	1.7	9-19	do	8.8
3-26	do	1.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SCOUT CREEK					
North Platte—Sec. 20-14-30 W.					
10- 9	A. C. Hilpert	16.9	5- 7	A. C. Hilpert	0.1
10-18	do	8.5	5-21	do	29.8
10-26	do	18.0	5-31	do	2.7
11- 6	do	2.3	6-15	do	5.4
11-20	do	.3	6-26	do	2.5
12- 4	do	.0	7- 5	do	24.3
12-21	do	.2	7-12	do	13.9
1- 6	do	.1	7-25	do	27.9
2-15	do	.2	8- 7	do	26.3
2-27	do	.1	8-17	do	30.0
3-27	do	.1	8-27	do	8.6
4-11	do	.1	9- 6	do	.5
4-19	do	.1	9-15	do	36.9
4-28	do	.2	9-24	do	28.5
SILVERNAIL DRAIN					
Sec. 6-19-49 W.					
10-16	J. P. Hansen	7.1	5- 2	J. P. Hansen	3.7
11- 9	do	6.9	5-17	do	4.4
11-28	C. E. Franklin	7.2	5-29	E. S. Kimmel	22.3
1- 8	J. P. Hansen	4.6	6-18	Mount-Kimmel	4.1
2-15	do	4.5	7- 7	C. R. Mount	5.7
3- 3	do	4.8	7-14	do	14.0
3- 5	do	4.5	7-23	do	17.2
3-12	do	4.8	8- 6	do	36.6
3-30	do	5.2	8-21	do	18.7
4- 2	do	4.8	9-10	do	7.3
4- 9	do	4.9	9-20	do	15.1
SKUNK CREEK					
Sec. 1-14-37 W.					
11-24	A. C. Hilpert	1.3	5-11	A. C. Hilpert	2.8
SNAKE CREEK					
Alliance-Bridgeport Highway—Sec. 8-24-48 W.					
10- 7	C. E. Franklin	0.0	4-23	C. E. Franklin	29.2
10-27	do	.0	5- 7	do	3.1
11-13	do	.0	5-21	do	1.8
12-18	do	.0	6-11	do	60.0
1- 8	do	.0	7- 3	do	1.2
2-12	do	.3	7-19	do	.0
2-26	do	.0	8- 6	do	.0
3-19	do	22.3	8-31	do	0
4- 5	do	6.0	9-22	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SNAKE RIVER					
5 miles above Falls—Sec. 29-31-30 W.					
1-15	C. E. Franklin	232.0	7- 5	C. E. Franklin	279.0
3-21	do	254.0	7-21	do	217.0
5- 9	do	260.0	9- 6	do	306.0
6-13	do	268.0			
SOLDIER CREEK					
Below James Dam—Sec. 3-31-53 W.					
9-11	C. E. Franklin	1.9			
SOLDIER CREEK					
Above Fort Robinson Reservoir					
1-19	C. E. Franklin	4.1	5-12	C. E. Franklin	3.9
3-23	do	6.6	7-25	do	5.6
4-28	do	4.8			
SOLDIER CREEK					
Below Soldier Creek Canal—Sec. 18-31-52 W.					
10-11	C. E. Franklin	3.1	7- 9	C. E. Franklin	3.6
5-30	do	5.0			
SOW BELLY CREEK					
Below Canals—Sec. 9-33-55 W.					
3-24	C. E. Franklin	1.2			
SOW BELLY CREEK					
Below Zimmerman—Sec. 34-33-55 W.					
10-18	Franklin-Rasmussen	1.4	7-10	C. E. Franklin	2.7
10-31	C. E. Franklin	1.5	7-26	do	1.6
1-28	do	1.1	8-18	do	.1
5-12	do	3.4	9-13	do	.1
SOW BELLY CREEK					
Sec. 5-32-55 W.					
10-18	Franklin-Rasmussen	1.7	5-28	C. E. Franklin	0.1
10-31	C. E. Franklin	2.8	7-10	do	2.8
1-28	do	1.1	7-26	do	1.4
3-24	do	.3	8-18	do	.6
4-28	do	.4	9-13	do	.2
5-12	do	3.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SPOTTED TAIL CREEK, DRY					
Sec. 28-23-56 W.					
10- 9	J. P. Hansen	52.7	3-29	E. S. Kimmel	25.0
10-20	do	49.2	4- 5	do	26.9
11- 3	do	41.6	4-26	J. P. Hansen	30.4
12- 2	do	34.3	5- 8	do	62.0
12-18	do	33.4	5-24	do	18.2
1- 6	do	35.0	6- 5	do	47.4
1-25	do	30.9	6-21	Mount-Kimmel	34.9
2- 1	E. S. Kimmel	23.5	6-23	J. P. Hansen	33.8
2- 6	do	30.2	7-20	do	154.0
2-21	do	30.2	8-29	C. R. Mount	53.0
3- 1	do	30.3	9-18	do	102.0
3-15	do	30.2			
SPOTTED TAIL CREEK, WET					
Sec. 6-22-55 W.					
10- 9	J. P. Hansen	11.1	4- 5	E. S. Kimmel	12.5
12-18	do	15.1	4-26	J. P. Hansen	13.8
1-30	E. S. Kimmel	13.1	5- 8	do	12.2
2- 6	do	14.1	6- 6	do	14.2
2-21	do	12.3	6-21	Mount-Kimmel	13.6
3- 1	do	13.0	8-25	E. S. Kimmel	16.4
3-15	do	12.6	9-18	C. R. Mount	16.0
3-27	do	11.7			
SPRING CREEK					
Wyoming-Nebraska Line—Sec. 4-23-58 W.					
2- 8	E. S. Kimmel	6.9	6-20	Mount-Kimmel	6.9
2-22	do	8.5	7-30	E. S. Kimmel	9.3
3-13	do	8.3	8-24	do	11.6
5- 3	do	8.1	9- 7	do	11.5
SPRING CREEK					
Tributary to Little Cottonwood Creek—Sec. 13-32-52 W.					
10-30	C. E. Franklin	0.3			
SQUAW CREEK					
Above McDowell's Reservoir—Sec. 12-31-52 W.					
10-20	C. E. Franklin	0.3	5-30	C. E. Franklin	0.6
10-30	do	.5	6-19	do	.3
11-16	do	.4	7- 9	do	.3
1-29	do	.4	7-25	do	.2
3-23	do	1.2	8- 8	do	.3
4-27	do	.6	9-11	do	.0
5-12	do	.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
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SQUAW CREEK

Below McDowell's Reservoir—Sec. 1-31-52 W.

10-20	C. E. Franklin	0.4	5-30	C. E. Franklin	1.2
10-30	do	.6	6-19	do	.3
11-16	do	.7	7- 9	do	.2
1-29	do	.4	7-25	do	.2
3-23	do	1.0	8- 8	do	.3
4-27	do	.6	9-11	do	.2
5-12	do	.4			

STREVER CREEK

South of Overton—Sec. 1-8-20 W.

10- 3	A. C. Hilpert	23.0	4-24	A. C. Hilpert	6.8
10-11	do	16.9	5- 3	do	6.6
10-20	do	8.6	5-15	do	8.9
10-28	do	7.7	5-23	do	6.7
11-14	do	4.6	6- 6	do	84.1
11-22	do	5.1	6-13	do	137.0
12-14	do	4.9	6-21	do	31.0
12-22	do	6.2	6-29	do	30.2
1- 8	do	7.1	7- 7	do	17.7
2- 8	do	10.0	7-21	do	22.9
2-21	do	11.2	7-28	do	13.6
3- 1	do	11.1	8- 8	do	11.9
3- 8	do	11.3	8-18	do	30.2
3-16	do	11.7	8-30	do	11.9
3-23	do	9.4	9- 8	do	11.6
3-29	do	8.8	9-18	do	28.3
4- 6	do	9.5	9-29	do	31.6

TOOHEY DRAIN

Sec. 20-23-56 W.

2- 1 E. S. Kimmel

2.2

TRUNK BUTTE CREEK

Sec. 25-33-50 W.

10-17	C. E. Franklin	0.2	5-11	C. E. Franklin	1.7
11- 3	do	.4	6- 1	do	.0
11-16	do	.5	6-19	do	.5
1- 9	do	.3	7- 8	do	.3
2-17	do	.3	7-23	do	.2
3-23	do	1.8	8- 8	do	.1
4-27	do	.5	9-10	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
TUB SPRINGS					
Above Enterprise Canal—Sec. 33-23-55 W.					
5-25	J. P. Hansen	20.5	7-13	J. P. Hansen	63.6
6- 6	do	57.5	7-19	do	50.3
6-21	Mount-Kimmel	50.9	8-25	E. S. Kimmel	41.7
6-29	J. P. Hansen	53.8	9-18	C. R. Mount	40.4
TUB SPRINGS					
Below Enterprise Canal—Sec. 32-23-55 W.					
10-21	J. P. Hansen	64.6	6-21	Mount-Kimmel	37.9
11-22	do	33.1	6-29	J. P. Hansen	60.0
12-18	do	28.7	7-13	do	21.8
1-30	E. S. Kimmel	41.6	7-19	do	44.6
4-26	J. P. Hansen	35.0	8- 1	C. R. Mount	30.3
5- 8	do	33.1	8-25	E. S. Kimmel	18.6
5-25	do	1.5	9-13	C. R. Mount	27.5
6- 6	do	57.0			
TUB SPRINGS					
Sec. 8-22-55 W.					
2- 6	E. S. Kimmel	41.2	3-27	E. S. Kimmel	34.9
2-21	do	39.8	4- 5	do	34.6
3- 1	do	39.2	6-21	Mount-Kimmel	38.8
3-15	do	38.4			
WARBONNET CREEK					
Above Warbonnet Canal—Sec. 21-33-56 W.					
10-19	C. E. Franklin	2.5	4-28	C. E. Franklin	3.5
10-31	do	1.8	7-10	do	.3
11-17	do	2.8	7-26	do	.0
1-28	do	2.5	8-18	do	.0
WARBONNET CREEK					
Below Warbonnet Canal—Sec. 20-33-56 W.					
3-24	C. E. Franklin	3.0	6-21	C. E. Franklin	2.4
5-12	do	3.9	9-12	do	.0
5-26	do	.7			
WHITE CLAY CREEK					
Crawford—Sec. 2-31-52 W.					
10-20	C. E. Franklin	1.5	5-30	C. E. Franklin	0.8
10-30	do	2.7	6-18	do	1.6
11-16	do	1.8	7- 9	do	1.9
1-29	do	2.3	7-25	do	3.0
3-23	do	4.6	8- 8	do	.3
4-27	do	3.8	9-11	do	1.0
5-12	do	3.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
WHITE CLAY CREEK					
Above Whitney Diversion Canal—Sec. 26-32-52 W.					
3-23	C. E. Franklin	4.5	7- 9	C. E. Franklin	2.9
4-27	do	2.3	7-25	do	.6
5-29	do	.3	9-11	do	.3
6-18	do	.5			
WHITE CLAY CREEK					
Above Junction with Larabee Creek—Sec. 6-34-44 W.					
11-15	C. E. Franklin	4.0	5-21	C. E. Franklin	6.0
1-18	do	3.5	6-14	do	7.1
1-29	do	4.8	6-18	do	.1
2-28	do	6.3	7- 6	do	4.3
4- 7	do	6.6	7-20	do	3.7
4-24	do	7.2	8- 8	do	2.0
5- 8	do	6.1	9- 4	do	3.1
5-12	do	2.2			
WHITE HORSE CREEK					
Gannett—Sec. 5-13-29 W.					
10- 2	A. C. Hilpert	2.9	4-20	A. C. Hilpert	23.8
10-10	do	5.6	4-26	do	21.6
10-19	do	4.8	4-30	do	21.3
10-31	do	7.5	5-14	do	7.0
11-23	do	7.4	5-25	do	11.0
12-15	do	15.6	6- 2	do	20.4
12-26	do	13.7	6-12	do	61.2
1- 8	do	2.1	6-22	do	12.3
2- 9	do	25.6	6-27	do	6.8
2-22	do	15.8	7-10	do	6.1
2-28	do	8.5	7-24	do	4.6
3- 8	do	7.8	8- 1	do	3.2
3-17	do	22.6	8-10	do	4.2
3-26	do	15.6	9- 1	do	5.0
4- 5	do	19.5	9-12	do	3.8
WHITE RIVER					
Above Whitney Diversion—Sec. 26-32-52 W.					
10-11	C. E. Franklin	11.9	5-12	C. E. Franklin	28.4
11-17	do	18.0	5-30	do	15.3
12-21	do	16.0	6-18	do	33.0
1-19	do	29.9	7- 9	do	8.6
2-17	do	18.3	7-25	do	23.0
3-23	do	29.3	8- 8	do	20.4
4-27	do	32.0	9-10	do	16.9

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1945

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
WHITE RIVER					
Below Whitney Diversion—Sec. 26-32-52 W.					
10-11	C. E. Franklin	1.4	5-12	C. E. Franklin	15.5
11- 4	do	4.9	5-29	do	3
11-17	do	9.9	6-18	do	27.4
12-21	do	13.5	7- 9	do	4.1
1-19	do	14.4	7-25	do	25.3
2-17	do	18.3	8- 8	do	20.8
3-23	do	36.7	9-10	do	0
4-27	do	35.9			
WHITE TAIL CREEK					
Sec. 1-14-38 W.					
10-17	A. C. Hilpert	29.0	3-28	J. P. Hansen	28.0
10-24	do	26.9	4- 5	do	31.4
11-17	do	27.9	4-19	do	30.2
12-20	do	28.9	4-30	do	24.5
1- 2	do	24.9	5-16	do	26.4
2- 1	do	26.2	5-31	do	27.3
2-14	J. P. Hansen	27.0	6-22	do	29.2
2-20	do	27.4	6-29	C. R. Mount	26.7
2-26	A. C. Hilpert	27.4	7-12	do	25.4
2-28	J. P. Hansen	27.6	8- 8	do	25.3
3- 6	do	29.8	8-24	do	26.5
3-15	do	31.1	9-25	do	25.6
3-22	do	28.9			

DISCHARGE MEASUREMENTS OF STREAMS

Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
ANTELOPE CREEK					
Below D-537—Sec. 26-34-57 W.					
7-10	O. R. Benner	0.0	8- 2	O. R. Benner	0.0
APPLEGATE DRAIN					
Sec. 31-13-33 W.					
10-23	A. C. Hilbert	69.7	5-22	J. H. Hintz	45.0
1-23	J. H. Hintz	51.5	6- 4	do	47.5
1-30	do	56.1	6-20	do	49.4
2-12	do	59.7	7-10	do	44.7
2-27	do	55.3	7-25	do	44.1
3-12	do	56.2	8- 8	do	43.0
3-27	do	57.4	8-22	do	52.1
4-16	do	56.0	8-30	do	49.0
4-23	do	51.8	9-19	do	53.5
5- 7	do	50.8	9-26	do	52.6
ASH CREEK					
Whitney—Sec. 7-32-50 W.					
10- 8	C. E. Franklin	1.6	3- 8	C. E. Franklin	6.2
10-23	do	1.9	4- 8	do	2.1
11-14	do	3.3	4-15	do	4.7
12-24	do	1.9	5-12	do	3.5
1-10	do	2.3	5-29	do	2.2
1-27	do	2.1	7-12	O. R. Benner	9
2-13	do	2.4	8- 1	do	.4
2-26	do	4.4			
ASH CREEK, EAST					
Above Barron Canal—Sec. 32-32-50 W.					
10- 8	C. E. Franklin	2.6	5-12	C. E. Franklin	2.8
10-23	do	1.6	5-29	do	2.9
11-14	do	1.9	7-12	O. R. Benner	1.3
12-21	do	1.5	8- 1	do	.8
4-15	do	.8	8-19	do	.3
ASH CREEK, WEST					
Sec. 26-32-51 W.					
4-15	C. E. Franklin	1.5	8-19	O. R. Benner	0.6

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
BALD DRAIN Sec. 32-23-56 W.					
1- 3	K. N. Andrews	4.4	5-28	K. N. Andrews	14.7
1-15	do	3.7	6-13	do	20.2
1-30	do	2.8	6-21	do	28.5
2-25	do	3.1	7- 5	do	21.2
3-12	do	3.0	7-12	do	11.9
3-27	do	4.0	7-23	do	15.5
4- 9	Patterson-Andrews	3.2	8- 5	do	12.1
4-25	Andrews-Clark	2.2	8-13	do	15.4
5- 8	Christensen-Andrews	17.5	8-21	do	12.4
5-17	K. N. Andrews	27.9	9- 5	S. M. Christensen	31.9
BEAR CREEK North of Merriman—Sec. 8-34-37 W.					
10- 4	C. E. Franklin	2.7	3-20	C. E. Franklin	16.9
10-20	do	3.4	4-14	do	5.7
12-17	do	2.8	4-25	do	2.8
1- 9	do	2.0	5- 8	do	7.9
1-24	do	3.2	5-26	do	3.8
2-11	do	3.4	7-15	O. R. Benner	1.6
2-23	do	8.8	7-30	do	.8
3- 7	do	12.9	8-15	do	1.0
BEAR CREEK Below Wooden Dam, A-3321—NW¼ Sec. 16-34-37 W.					
10- 4	C. E. Franklin	2.3	3-20	C. E. Franklin	23.2
10-20	do	3.1	4-14	do	6.3
12-17	do	2.6	4-25	do	2.9
1- 9	do	1.8	5- 8	do	7.2
1-24	do	3.2	5-26	do	3.4
2-11	do	3.2	7-16	O. R. Benner	1.7
2-23	do	9.5	7-30	do	1.0
3- 7	do	14.1	8-15	do	.9
BEAR CREEK Passing Fish and Game Commission Dam, A-2898—Sec. 16-34-37 W.					
10- 4	C. E. Franklin	3.6	4-14	C. E. Franklin	10.3
10-20	do	3.7	4-25	do	3.1
12-17	do	2.8	5- 8	do	29.9
1- 9	do	1.5	5-26	do	12.8
1-24	do	3.9	7-16	O. R. Benner	1.1
2-11	do	4.8	7-30	do	1.0
2-23	do	17.0	8-15	do	.8
3- 7	do	17.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
BEAR CREEK					
Above Cole Dam No. 1, A-2254—SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 14-34-37 W.					
10- 4	C. E. Franklin	2.9	3-20	C. E. Franklin	58.4
10-20	do	2.7	4-14	do	9.8
12-17	do	2.5	4-25	do	3.2
1- 9	do	.2	5- 8	do	28.6
1-24	do	3.5	5-26	do	11.9
2-11	do	5.0	7-16	O. R. Benner	.9
2-23	do	9.8	7-30	do	.6
3- 7	do	14.7	8-15	do	.5
BEAR CREEK					
Eli—Sec. 25-34-36 W.					
10- 4	C. E. Franklin	4.0	3-22	C. E. Franklin	59.0
10-20	do	3.8	4-14	do	16.1
12-17	do	2.9	4-25	do	6.3
1- 9	do	1.9	5-10	do	28.4
1-24	do	5.2	5-26	do	10.4
2-11	do	4.5	7-15	O. R. Benner	3.4
2-23	do	10.3	7-30	do	1.3
3- 7	do	15.5	8-16	do	2.3
BEAVER CREEK					
Near Ravenna—South Line of Sec. 34-13-14 W.					
7-30	M. G. Zellars	4.2			
BOGGY CREEK					
Below Wickersham Diversion Dam—Sec. 31-33-54 W.					
10-25	C. E. Franklin	0.2	5-14	C. E. Franklin	0.1
1-11	do	.1	7-10	O. R. Benner	.0
2-27	do	.1	8- 3	do	.1
4-16	do	.5	8-17	do	.2
BORDEAUX CREEK, BIG					
Below Thomas Canal—Sec. 34-34-48 W.					
10- 3	C. E. Franklin	3.8	3-19	C. E. Franklin	4.9
10-19	do	4.3	4-11	do	7.4
11-13	do	6.5	4-28	do	5.4
12-16	do	4.4	5- 7	do	7.6
1- 6	do	5.6	5-25	do	7.6
1-23	do	6.5	6-11	do	8.2
2-13	do	3.9	7-12	O. R. Benner	4.1
2-22	do	7.5	7-29	do	2.1
3- 5	do	4.8	8-14	do	2.7

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
BORDEAUX CREEK, LITTLE					
Below Hartzell Canal—Sec. 13-33-48 W.					
10- 3	C. E. Franklin	1.6	3-19	C. E. Franklin	2.9
10-19	do	1.7	4-11	do	3.4
11-13	do	2.4	4-28	do	1.7
12-16	do	2.4	5- 7	do	2.8
1- 6	do	2.6	5-25	do	4.2
1-23	do	2.4	6-14	do	4.6
2-13	do	2.6	7-12	O. R. Benner	1.9
2-22	do	2.4	7-29	do	1.4
3- 5	do	2.8	8-14	do	1.4

BORDEAUX CREEK, BIG					
Chadron—Sec. 14-33-48 W.					
10- 3	C. E. Franklin	2.2	3-19	C. E. Franklin	3.2
10-19	do	2.4	4-11	do	5.0
11-13	do	2.8	4-28	do	3.4
12-16	do	2.2	5- 7	do	3.1
1- 6	do	3.8	5-25	do	4.1
1-23	do	2.1	6-11	do	4.0
2-13	do	2.5	7-13	O. R. Benner	3.4
2-22	do	4.1	7-29	do	1.9
3- 5	do	2.2	8-14	do	2.1

BROWN CREEK					
Loup City—East Line of Sec. 25-15-15 W.					
6-13	B. A. Nelson	0.0			

BULL DRAIN					
Maxwell—Sec. 19-13-28 W.					
10- 2	A. C. Hilpert	0.0	5-17	D. B. Ender	0.4
10-10	do	.0	6- 3	do	1.2
10-20	do	.0	6-27	do	.2
10-29	do	.1	7-10	do	.4
11- 5	do	.1	7-17	do	.3
1-22	D. B. Ender	.8	7-25	do	.2
2- 8	do	.6	8- 8	do	.2
2-21	do	.7	8-22	do	1.8
3-14	do	1.1	9- 5	do	1.8
4-12	do	1.4	9-25	do	1.9
5- 6	do	.6			

CAMP CLARK SEEP					
Sec. 9-20-51 W.					
5-21	S. M. Christensen	1.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
CEDAR BRANCH CREEK					
Nevins—Sec. 17-14-35 W.					
10- 2	A. C. Hilpert	1.1	5-14	J. H. Hintz	1.5
10-11	do	1.0	6- 4	do	1.6
10-22	do	1.4	6-20	do	1.6
10-31	do	1.2	7-10	do	1.6
1-23	J. H. Hintz	1.7	7-17	do	1.8
2- 6	do	2.1	8- 1	do	1.8
2-19	do	1.5	8-14	do	1.7
3- 5	do	1.9	8-27	do	1.7
3-21	do	1.6	9-12	do	1.8
4- 2	do	1.9	9-26	do	1.8
4-17	do	1.7			
CEDAR CREEK					
Above D-507, Schilt-Cedar Creek Canal—Sec. 35-33-56 W.					
10-25	C. E. Franklin	0.0			
CEDAR CREEK					
Sec. 3-32-56 W.					
10-25	C. E. Franklin	0.2			
CEDAR CREEK					
Sec. 11-18-48 W.					
11- 8	E. S. Kimmel	11.8	6-21	S. M. Christensen	7.9
1-17	K. N. Andrews	13.0	7- 2	Christensen-Benner	3.7
2- 1	do	12.9	7-10	S. M. Christensen	27.2
2-13	do	12.7	7-20	do	8.8
2-28	do	11.4	7-23	do	4.2
3- 8	do	11.3	7-27	do	3.7
3-23	do	19.2	8- 1	do	1.6
4- 5	do	13.5	8-10	do	1.5
5- 3	J. P. Clark	8.9	8-13	Hanks-Christensen	5.4
5-10	do	7.2	8-26	Harrington-Hanks	12.4
5-18	do	11.2	9- 3	P. D. Harrington	20.9
5-24	S. M. Christensen	4.5	9-13	do	2.7
5-31	do	24.4	9-23	do	21.0
6- 7	do	11.0			
CEDAR CREEK					
Taylor—Sec. 27-21-17 W.					
6-26	B. A. Nelson	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
CEDAR CREEK					
Near Elba—Sec. 8-15-10 W.					
6-12	B. A. Nelson	0.0			
CHADRON CREEK					
Station 36 of Pipe Line—Sec. 12-32-49 W.					
10- 2	C. E. Franklin	0.3	3- 5	C. E. Franklin	0.4
10-18	do	.7	3-19	do	1.4
11-13	do	.1	4- 8	do	5
12-16	do	.6	4-28	do	.6
1- 6	do	.6	5- 7	do	1.3
1-23	do	.6	5-24	do	1.6
2-10	do	.3	6-10	do	.0
2-22	do	.5			
CHADRON CREEK					
One-half Mile above City Reservoir—Sec. 19-32-48 W.					
10- 2	C. E. Franklin	2.4	4- 8	C. E. Franklin	2.0
10-18	do	2.0	4-28	do	3.0
11-13	do	3.0	5- 7	do	2.2
12-16	do	2.2	5-24	do	2.3
1-22	do	4.6	6-10	do	2.0
2-10	do	2.4	7-12	O. R. Benner	1.1
2-22	do	2.3	7-29	do	1.1
3- 5	do	2.2	8-14	do	1.5
3-19	do	4.4			
CHADRON CREEK					
500 Feet below City Reservoir—Sec. 18-32-48 W.					
10- 2	C. E. Franklin	0.3	3-19	C. E. Franklin	0.5
10-18	do	.4	4- 8	do	.3
11-13	do	.4	4-28	do	.3
12-16	do	.3	5- 7	do	.7
1- 6	do	.3	5-24	do	.9
1-23	do	.3	6-10	do	.4
2-10	do	.3	7-12	O. R. Benner	.0
2-22	do	.3	7-29	do	.0
3- 5	do	.3	8-14	do	.0
CHESBRA CREEK					
Taylor—Sec. 20-21-18 W.					
6-26	B. A. Nelson	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
CLEAR CREEK					
Sec. 5-15-41 W.					
11- 7	E. S. Kimmel	6.8	5-30	S. M. Christensen	2.1
1-23	K. N. Andrews	9.6	6- 6	do	4.3
2- 9	do	8.7	6-20	do	5.5
2-19	do	9.1	7-12	do	4.1
3- 4	do	8.4	7-25	do	.0
3-19	do	8.8	8-15	Christensen-Hanks	3.6
4- 1	do	9.2	9- 9	Harrington-Hanks	2.4
4-18	Andrews-Clark	8.2	9-24	P. D. Harrington	9.5
5- 9	J. P. Clark	4.3			
CLEAR CREEK					
Westerville—East Line of Sec. 28-17-18 W.					
6-10	B. A. Nelson	1.1	7-30	B. A. Nelson	0.0
CLEVELAND DRAIN					
Sec. 6-20-52 W.					
10- 8	E. S. Kimmel	9.5	5-25	K. N. Andrews	24.6
11- 9	do	2.4	6- 4	do	13.7
12-15	Kimmel-Andrews	1.0	6-15	do	6.6
1- 5	K. N. Andrews	2.3	7- 2	do	22.5
1-17	do	1.8	7-16	do	26.3
2- 1	do	.9	7-24	O. R. Benner	15.3
2-28	do	1.0	7-26	K. N. Andrews	5.8
3-13	do	.8	8- 6	O. R. Benner	4.9
3-29	do	1.3	8-12	do	10.9
4-13	Patterson-Andrews	1.3	9-12	Ratliff-Hanks	31.6
4-26	Clark-Andrews	.6	9-27	S. M. Christensen	17.9
5-13	Andrews-Christensen	11.4	9-30	do	20.0
COB CREEK					
Near Loup City—Sec. 23-15-15 W.					
6-13	B. A. Nelson	0.1			
COLD WATER CREEK					
Sec. 34-18-46 W.					
11- 8	E. S. Kimmel	6.3	6-21	K. N. Andrews	0.7
1-21	K. N. Andrews	.1	7- 2	Benner-Christensen	.2
2- 4	do	.2	7-10	S. M. Christensen	.3
2-20	do	.1	7-26	do	.3
3- 4	do	.2	9- 4	P. D. Harrington	.1
3-18	do	.6	9-13	do	1.8
4- 3	do	.3	9-20	do	2.8
5-16	do	1.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
COLD WATER CREEK					
Above Lisco Canal—Sec. 27-18-46 W.					
9-13	P. D. Harrington	3.0	9-20	P. D. Harrington	3.3
COTTONWOOD CREEK					
Dunlap—Sec. 27-29-48 W.					
10- 2	C. E. Franklin	0.3	3-19	C. E. Franklin	2.6
10-18	do	.8	4- 5	do	2.5
11- 3	do	.6	5- 6	do	.7
11-26	do	.5	5-24	do	1.4
12-15	do	.6	6-10	do	.3
1- 5	do	1.0	7-16	O. R. Benner	.0
1-22	do	2.1	7-29	do	.0
2-10	do	2.1	8-14	do	.0
2-22	do	2.5	1-17	Ratcliff-Hanks	.0
3- 5	do	1.3			
COTTONWOOD CREEK, BIG					
Sec. 22-33-50 W.					
10- 8	C. E. Franklin	1.1	2-26	C. E. Franklin	2.7
10-23	do	1.7	3- 8	do	.9
11-12	do	.8	4- 8	do	.5
11-14	do	1.4	4-28	do	.3
11-27	do	1.6	5-12	do	.8
12-21	do	.4	5-29	do	1.0
1-10	do	1.4	7-12	O. R. Benner	.5
1-27	do	.0	7-31	do	.4
2-13	do	1.0	8-16	do	1.6
COTTONWOOD CREEK, LITTLE					
Sec. 8-32-52 W.					
10- 8	C. E. Franklin	0.0	3- 8	C. E. Franklin	2.1
11-15	do	.0	7-12	O. R. Benner	.4
1-28	do	2.1	8- 1	do	.0
2-13	do	1.4	8-18	do	.0
2-26	do	2.3			
COTTONWOOD CREEK, LITTLE					
South of Whitney Pipe Line Outlet—Sec. 8-32-51 W.					
7-12	O. R. Benner	0.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
DANE CREEK					
Ord—East Line of Sec. 20-19-14 W.					
6-12	B. A. Nelson	0.2	9- 5	B. A. Nelson	0.7
6-24	do	. 2			
DAVIS CREEK					
Cotesfield—Sec. 34-17-12 W.					
6- 3	B. A. Nelson	2.0	9- 5	B. A. Nelson	0.5
7-24	do	.3			
DAWSON COUNTY DRAIN NO. 2					
Darr—Sec. 25-10-23 W.					
10-17	A. C. Hilpert	2.4	6- 3	D. B. Ender	1.2
10-26	do	2.7	6-19	do	1.8
11- 3	do	2.8	7- 8	do	1.1
2- 7	D. B. Ender	1.0	7-22	do	1.9
2-20	do	1.2	8- 6	do	2.8
3- 6	do	1.3	8-12	do	2.7
4- 3	do	.9	8-20	do	3.2
4-17	do	.7	9- 4	do	3.1
5- 8	do	.6	9-17	do	3.0
5-20	do	.9			
DEAD HORSE CREEK					
Loup City—Sec. 18-15-14 W.					
6-13	B. A. Nelson	0.0	7-31	B. A. Nelson	0.0
DEAD HORSE CREEK					
Sec. 32-33-49 W.					
10- 8	C. E. Franklin	0.2	3- 8	C. E. Franklin	2.2
10-23	do	2.3	4- 8	do	2.5
11-14	do	1.6	4-28	do	2.2
12-21	do	1.3	5-12	do	1.0
1-10	do	1.0	5-29	do	2.2
1-27	do	1.7	7-12	O. R. Benner	.7
2-13	do	1.6	8- 1	do	.5
2-26	do	1.0	8-19	do	.3
DEER CREEK					
Boelus—North Line of Sec. 27-13-12 W.					
6-13	B. A. Nelson	0.1	7-31	B. A. Nelson	0.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
DeGRAW DRAIN					
Sec. 24-20-51 W.					
12-15	Kimmel-Andrews	2.6	5- 4	K. N. Andrews	3.4
1- 5	K. N. Andrews	6.4	5-20	do	3.5
1-17	do	3.5	6- 7	S. M. Christensen	5.4
1-28	do	2.6	6-27	K. N. Andrews	3.0
2-21	do	4.8	7- 9	S. M. Christensen	12.0
3- 1	do	4.5	7-22	do	2.2
3- 8	do	4.6	8-23	O. R. Benner	4.9
3-29	do	4.4	8-28	do	6.3
4- 5	do	2.2			

DRINGMAN DRAIN

Sec. 32-13-33 W.

10-23	A. C. Hilpert	4.4	5-22	J. H. Hintz	7.2
1-23	J. H. Hintz	8.9	6-20	do	7.9
1-30	do	9.6	7-10	do	6.3
2-12	do	9.2	7-25	do	7.7
2-27	do	9.6	8- 8	do	8.2
3-12	do	9.1	8-22	do	8.9
3-27	do	9.7	8-30	do	8.8
4-16	do	9.2	9-19	do	7.9
4-23	do	9.0	9-26	do	9.0
5- 7	do	7.7			

DRY CREEK

To Cottonwood Lake—South Line of Sec. 16-34-37 W.

10- 4	C. E. Franklin	0.0	3-20	C. E. Franklin	0.0
10-20	do	.0	4-14	do	.0
12-21	do	.0	4-25	do	.3
1- 9	do	.0	5- 8	do	.0
1-24	do	.0	5-26	do	.0
2-11	do	.0	7-16	O. R. Benner	.0
2-23	do	.0	7-30	do	.0
3- 7	do	.0	8-15	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
DRY CREEK					
Merriman—Sec. 17-34-37 W.					
10- 4	C. E. Franklin	0.8	3-20	C. E. Franklin	3.1
10-20	do	.0	4-14	do	3.1
12-17	do	1.5	4-25	do	1.8
1- 9	do	1.0	5- 8	do	18.1
1-24	do	1.4	5-26	do	7.6
2-11	do	2.2	7-16	O. R. Benner	.9
2-23	do	3.0	7-30	do	.0
3- 7	do	5.4	8-15	do	.0
DUGOUT CREEK, UPPER					
Sec. 20-20-50 W.					
10-10	A. W. Hall	6.3	5-25	S. M. Christensen	29.8
11- 9	E. S. Kimmel	6.6	6- 7	do	5.4
12-11	K. N. Andrews	3.8	6-27	K. N. Andrews	3.1
1- 5	do	3.8	7- 9	S. M. Christensen	69.6
1-17	do	4.5	7-13	do	19.0
1-28	do	3.7	7-22	do	30.0
2-21	do	2.2	8- 6	O. R. Benner	8.1
3- 1	do	1.9	8-12	do	7.9
3- 8	do	1.8	8-23	do	6.7
3-29	do	1.1	8-28	do	9.7
4- 5	do	1.0	9- 9	P. D. Harrington	8.7
5- 3	J. P. Clark	.4	9-17	S. M. Christensen	11.1
5-14	do	.7	9-30	do	11.1
ELM CREEK					
Ord—Sec. 24-19-14 W.					
6-12	B. A. Nelson	0.1	7-24	B. A. Nelson	0.0
FAIRFIELD SEEP					
Sec. 18-21-53 W.					
1- 2	K. N. Andrews	0.7	5-31	K. N. Andrews	1.0
1-14	do	.1	6-14	do	.0
1-29	do	.1	6-22	do	.2
2-25	do	.5	7- 6	do	.2
3-11	do	.4	7-16	do	.2
3-26	do	.9	7-26	do	.0
4- 8	Andrews-Patterson	.3	8- 6	do	.4
4-23	Andrews-Clark	.0	8-15	do	.2
5-10	Christensen-Andrews	.6	9- 6	S. M. Christensen	.0
5-21	K. N. Andrews	.2			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
FANNING SEEP					
One-half Mile North of Mitchell Bridge—Sec. 28-23-56 W.					
1- 3	K. N. Andrews	5.1	5-28	K. N. Andrews	3.1
1-15	do	6.4	6-13	do	2.0
1-30	do	3.5	6-21	do	3.9
2-25	do	2.8	7- 5	do	3.1
3-12	do	2.8	7-12	do	1.8
3-27	do	2.1	7-23	do	2.8
4- 9	Patterson-Andrews	2.3	8- 5	do	3.7
4-25	Clark-Andrews	1.7	8-13	do	3.8
5- 8	Christensen-Andrews	3.0	8-21	do	4.2
5-17	K. N. Andrews	3.2	9- 5	S. M. Christensen	5.2

FREMONT SLOUGH

North Platte—Sec. 16-13-30 W.

10-10	A. C. Hilpert	20.3	6- 8	D. B. Ender	17.0
10-24	do	19.3	6-15	do	10.8
1-21	D. B. Ender	22.8	6-28	do	11.0
2-18	do	33.6	7- 6	do	10.5
3- 4	do	27.9	7-10	do	9.1
3-18	Enders-Hintz	61.1	8- 3	do	7.4
4- 2	D. B. Ender	22.8	8-17	do	8.3
4-12	do	34.3	8-23	do	7.1
4-27	do	16.8	8-31	do	8.3
5-11	do	23.3	9-14	do	14.3
5-25	do	44.5	9-25	do	10.2

FREMONT SLOUGH

Sec. 17-13-29 W.

10-10	A. C. Hilpert	4.9	5-25	D. B. Ender	8.2
10-24	do	7.7	6- 8	do	3.8
1-21	D. B. Ender	22.9	6-15	do	3.4
2- 4	do	9.3	6-28	do	4.6
2-18	do	8.8	7- 6	do	4.5
3- 4	do	7.3	7-19	do	5.2
3-18	Ender-Hintz	13.8	8- 3	do	4.9
4- 2	D. B. Ender	8.3	8-17	do	4.1
4-12	do	8.6	8-23	do	5.8
4-27	do	5.6	8-31	do	4.9
5-11	Ender-Hintz	6.9	9-14	do	5.0
5-18	do	5.6	9-25	do	3.8

FRENCHMAN RIVER

Below Arterburn Reservoir—Sec. 12-6-41 W.

8-24	J. N. Walburn	2.6
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DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
FRENCHMAN RIVER					
Above Arterburn Reservoir—Sec. 11-6-41 W.					
8-24	J. N. Walburn	2.3			
FRENCHMAN RIVER					
Above Imperial Power Plant—Sec. 23-6-39 W.					
6-20	J. N. Walburn	40.7	8-21	Walburn-Kline	32.2
FRENCHMAN RIVER					
South of Imperial, below Imperial Power Plant—Sec. 30-6-38 W.					
8-21	Walburn-Kline	42.7	9- 1	J. N. Walburn	41.7
FRENCHMAN RIVER					
Above Grosbach-Williams Power Plant—Sec. 6-5-37 W.					
6-19	J. N. Walburn	65.7			
GERING SPILL					
Sec. 29-22-55 W.					
5- 9	Christensen-Andrews	78.2			
GORDON CREEK					
Kennedy—Sec. 32-30-30 W.					
4-24	D. B. Ender	0.9			
GORDON CREEK					
200 Feet below Lee Dam—Sec. 6-29-33 W.					
4-23	D. B. Ender	0.2			
GORDON CREEK					
Sec. 11-29-34 W.					
4-23	D. B. Ender	12.2			
GORDON CREEK, BOARDMAN CHANNEL					
North Lee Dam—Sec. 6-29-33 W.					
4-23	D. B. Ender	9.9			
GORDON CREEK					
Valentine—Sec. 30-33-28 W.					
10- 5	C. E. Franklin	6.5	3-21	C. E. Franklin	8.5
10-21	do	9.6	4-13	do	4.5
12-18	do	6.1	4-26	do	5.0
1- 8	do	9.2	5- 9	do	6.9
1-25	do	6.3	5-27	do	7.1
2-12	do	6.2	7-14	O. R. Benner	4.5
2-24	do	7.2	7-31	do	.0
3- 6	do	6.8	8-15	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
GRAVEL CREEK					
Sec. 9-14-36 W.					
1-23	J. H. Hintz	2.8	6- 7	J. H. Hintz	2.5
2- 7	do	3.3	6-21	do	2.0
2-21	do	3.0	7-10	do	2.5
3-13	do	2.6	7-26	do	2.1
3-21	do	2.5	8- 9	do	2.8
4- 4	do	3.3	8-23	do	2.4
4-18	do	2.4	9-13	do	2.6
5-14	do	2.9	9-27	do	3.0
5-23	do	2.4			
GREENWOOD CREEK					
Mouth—Sec. 26-19-50 W.					
7-18	O. R. Benner	0.4	8-29	P. D. Harrington	0.0
HASKELL CREEK					
Ord—Sec. 4-19-14 W.					
6-12	B. A. Nelson	0.1	7-24	B. A. Nelson	0.2
HAT CREEK					
Sec. 18-34-54 W.					
8- 3	O. R. Benner	0.0	8-17	O. R. Benner	0.0
HAT CREEK					
Sec. 16-32-55 W.					
4- 9	C. E. Franklin	0.9	7-10	O. R. Benner	0.0
HAT CREEK					
Above Coffee Canal—Sec. 35-33-55 W.					
10-10	C. E. Franklin	1.1	4- 9	C. E. Franklin	1.7
10-25	do	2.3	5-14	do	2.7
1-11	do	3.4	7-10	O. R. Benner	1.8
2-14	do	3.6	8- 3	do	.7
2-27	do	3.2	8-17	do	.8
3- 9	do	2.8			
HAYS CREEK					
Arcadia—Sec. 5-16-15 W.					
6-13	B. A. Nelson	0.0	7-31	B. A. Nelson	0.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
HERSHEY DRAIN					
Sec. 33-14-32 W.					
10- 4	A. C. Hilpert	22.0	5-25	J. H. Hintz	18.8
10-11	do	18.7	6- 8	do	16.9
11- 7	do	20.0	6-29	do	14.6
1-25	J. H. Hintz	23.6	7- 9	do	11.9
2- 5	do	22.5	7-22	do	10.6
2-22	do	22.9	8- 6	do	13.1
3-12	do	23.9	8-17	do	13.3
3-22	do	21.1	8-31	do	15.5
4- 5	do	21.1	9-10	do	18.0
4-19	do	19.5	9-17	do	16.3
5-10	do	19.4			
INDIAN CREEK					
Northport Wye—Sec. 19-20-50 W.					
10-10	A. W. Hall	12.0	5-24	S. M. Christensen	4.7
11- 9	E. S. Kimmel	10.8	6- 7	do	6.5
12-15	Kimmel-Andrews	11.6	6-27	K. N. Andrews	5.4
1- 5	K. N. Andrews	5.3	7- 9	S. M. Christensen	18.3
1-17	do	5.9	7-13	do	20.1
1-28	do	5.9	7-22	do	13.7
2-21	do	4.0	8- 6	O. R. Benner	19.5
3- 1	do	4.6	8-12	do	15.7
3- 8	do	3.9	8-23	do	20.1
3-29	do	4.3	8-28	do	20.5
4- 5	do	4.3	9- 9	P. D. Harrington	23.1
5- 4	do	4.3	9-16	S. M. Christensen	20.8
5-14	J. P. Clark	2.7	9-30	do	15.9
INDIAN CREEK					
Sec. 16-32-50 W.					
10- 8	C. E. Franklin	0.0	3- 8	C. E. Franklin	0.1
10-23	do	.0	4- 8	do	.0
11-14	do	.0	4-15	do	.4
12-21	do	.0	5-12	do	.6
1-10	do	.0	5-29	do	.0
1-27	do	.0	7-12	O. R. Benner	.2
2-13	do	.0	8- 1	do	.2
2-26	do	.0	8-19	do	.0
JIM CREEK					
Above Highline Canal—Sec. 13-33-57 W.					
10-10	C. E. Franklin	2.0	2-27	C. E. Franklin	0.3
10-25	do	.0	3- 9	do	.4
11-27	do	.0	7-10	O. R. Benner	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
JIM CREEK					
D-543, above Caladonia Canal—Sec. 13-33-57 W.					
10-10	C. E. Franklin	0.2	5-14	C. E. Franklin	0.7
10-25	do	.2	7-10	O. R. Benner	0
11-27	do	.2	8-2	do	.2
1-11	do	.2	8-17	do	.3
2-27	do	.2			
JIM CREEK					
Below Caladonia Canal—NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13-33-57 W.					
10-10	C. E. Franklin	0.2	3-9	C. E. Franklin	0.1
10-25	do	.7	5-14	do	.9
11-27	do	.2	7-10	O. R. Benner	.4
1-11	do	.7	8-1	do	.2
2-14	do	.5	8-17	do	.1
2-27	do	.5			
JIM CREEK					
NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13-33-57 W.					
10-10	C. E. Franklin	0.2	2-14	C. E. Franklin	0.4
10-25	do	.3	5-14	do	.7
11-27	do	.3			
JIM CREEK					
West Line Sec. 8-33-56 W.					
10-10	C. E. Franklin	0.0	4-16	C. E. Franklin	0.2
10-25	do	.0	5-14	do	.0
11-27	do	.2	8-2	O. R. Benner	.0
2-27	do	.2			
JIM CREEK					
A-2001—SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 14-33-56 W.					
10-10	C. E. Franklin	0.2	2-14	C. E. Franklin	0.1
10-25	do	.3	5-14	do	.8
11-27	do	.3	8-1	O. R. Benner	.0
1-16	J. J. Rasmussen	.2	8-15	do	.0
JIM CREEK					
A-1999, above Dout Reservoir—Sec. 18-33-56 W.					
10-10	C. E. Franklin	0.2	5-14	C. E. Franklin	0.6
10-25	do	.4	7-10	O. R. Benner	.2
11-27	do	.0	8-1	do	.1
1-11	do	.8	8-15	do	.2
1-16	J. J. Rasmussen	.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
KINGSLEY DAM SEEPAGE					
Drain at Station 20—Sec. 3-14-38 W.					
11- 7	E. S. Kimmel	0.0	5-16	J. H. Hintz	0.0
1-22	J. H. Hintz	.0	5-31	do	.0
1-29	do	.0	6-21	do	.0
2-14	do	.0	7-12	do	.0
3- 1	do	.0	7-19	do	.0
3-13	do	.0	8- 2	do	.0
3-29	do	.0	8-15	do	.0
4-12	do	.0	9- 6	do	.0
4-25	do	.0	9-20	do	.0
KINGSLEY DAM SEEPAGE					
Drain at Station 30—Sec. 3-14-38 W.					
11- 7	E. S. Kimmel	0.0	5-16	J. H. Hintz	0.0
1-22	J. H. Hintz	.0	5-31	do	.0
1-29	do	.0	6-21	do	.0
2-14	do	.0	7-12	do	.0
3- 1	do	.0	7-19	do	.0
3-13	do	.0	8- 2	do	.0
3-29	do	.0	8-15	do	.0
4-12	do	.0	9- 6	do	.0
4-25	do	.0	9-20	do	.0
KINGSLEY DAM SEEPAGE					
Drain at Station 40—Sec. 3-14-38 W.					
11- 7	E. S. Kimmel	0.0	5-16	J. H. Hintz	0.0
1-22	J. H. Hintz	.0	5-31	do	.0
1-29	do	.0	6-21	do	.0
2-14	do	.0	7-12	do	.0
3- 1	do	.0	7-19	do	.0
3-13	do	.0	8- 2	do	.0
3-29	do	.0	9- 6	do	.0
4-12	do	.0	9-20	do	.0
4-25	do	.0			
KINGSLEY DAM SEEPAGE					
Drain at Station 50—Sec. 34-15-38 W.					
11- 7	E. S. Kimmel	0.0	5-16	J. H. Hintz	0.0
1-22	J. H. Hintz	.0	5-31	do	.0
1-29	do	.0	6-21	do	.0
2-14	do	.0	7-12	do	.0
3- 1	do	.0	7-19	do	.0
3-13	do	.0	8- 2	do	.0
3-29	do	.0	8-15	do	.0
4-12	do	.0	9- 6	do	.0
4-25	do	.0	9-20	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
KINGSLEY DAM SEEPAGE					
Drain at Station 60—Sec. 34-15-38 W.					
11- 7	E. S. Kimmel	0.6	5-16	J. H. Hintz	1.0
1-22	J. H. Hintz	.9	5-31	do	1.4
1-29	do	1.2	6-21	do	1.2
2-14	do	1.0	7-12	do	1.4
3- 1	do	1.0	7-19	do	1.3
3-13	do	1.0	8- 2	do	1.4
3-29	do	.8	8-15	do	1.3
4-12	do	.7	9- 6	do	1.3
4-25	do	1.0	9-20	do	1.0
KINGSLEY DAM SEEPAGE					
Drain at Station 70—Sec. 34-15-38 W.					
11- 7	E. S. Kimmel	4.7	5-16	J. H. Hintz	5.3
1-22	J. H. Hintz	4.2	5-31	do	5.2
1-29	do	3.9	6-21	do	4.9
2-14	do	4.4	7-12	do	4.5
3- 1	do	4.5	7-19	do	5.1
3-13	do	3.5	8- 2	do	5.0
3-29	do	4.8	8-15	do	4.3
4-12	do	3.8	9- 6	do	3.6
4-25	do	4.7	9-20	do	3.7
KINGSLEY DAM SEEPAGE					
Drain at Station 80—Sec. 34-15-38 W.					
11- 7	E. S. Kimmel	8.8	5-16	J. H. Hintz	8.3
1-22	J. H. Hintz	6.5	5-31	do	7.7
1-29	do	7.8	6-21	do	9.8
2-14	do	6.8	7-12	do	8.8
3- 1	do	8.2	7-19	do	8.7
3-13	do	7.8	8- 2	do	8.3
3-29	do	8.9	8-15	do	8.8
4-12	do	8.2	9- 6	do	8.9
4-25	do	8.1	9-20	do	7.6
KINGSLEY DAM SEEPAGE					
Drain at Station 94—Sec. 34-15-38 W.					
1-22	J. H. Hintz	0.0	5-31	J. H. Hintz	0.0
1-29	do	.0	6-21	do	.0
2-14	do	.0	7-12	do	.0
3- 1	do	.0	7-19	do	.0
3-13	do	.0	8- 2	do	.0
3-29	do	.0	8-15	do	.0
4-12	do	.0	9- 6	do	.0
4-25	do	.0	9-20	do	.0
5-16	do	.0			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
KINGSLEY DAM SEEPAGE					
Drain at Station 100—Sec. 34-15-38 W.					
11- 7	E. S. Kimmel	0.5	5-16	J. H. Hintz	0.8
1-22	J. H. Hintz	.0	5-31	do	.6
1-29	do	.5	6-21	do	.7
2-14	do	.3	7-12	do	.9
3- 1	do	.3	7-19	do	.9
3-13	do	.3	8- 2	do	.9
3-29	do	.4	8-15	do	.9
4-12	do	.4	9- 6	do	.5
4-25	do	.4	9-20	do	.5
KRONBERG SEEP					
Sec. 31-23-55 W.					
7- 2	K. N. Andrews	6.4	8- 5	K. N. Andrews	8.6
7-12	do	4.4	8-13	do	10.5
7-23	do	6.6	8-21	do	8.5
LANE DRAIN					
Sec. 30-23-57 W.					
1- 4	K. N. Andrews	2.0	6-12	K. N. Andrews	1.5
1-16	do	2.0	6-20	do	4.0
1-31	do	1.5	7- 3	do	2.5
2-25	do	.6	7-12	do	4.0
3-12	do	1.2	7-22	do	4.8
3-28	do	1.4	7-30	do	2.9
4-10	Andrews-Patterson	.6	8-12	do	3.4
4-25	Clark-Andrews	.8	8-17	do	4.4
5- 8	Christensen-Andrews	.8	9- 5	S. M. Christensen	9.1
5-16	K. N. Andrews	1.0	9-10	do	9.0
5-27	do	.9			
LARABEE CREEK					
Sec. 6-34-44 W.					
10- 3	C. E. Franklin	3.2	4-27	C. E. Franklin	3.9
10-19	do	3.7	5- 8	do	5.3
12-17	do	2.8	5-25	do	4.2
1- 6	do	4.1	6-11	do	2.8
1-24	do	3.0	7-13	O. R. Benner	3.4
2-11	do	4.8	7-16	do	2.4
2-23	do	4.2	7-30	do	1.7
3-20	do	9.1	8-15	do	1.3
4-12	do	2.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LAWRENCE FORK					
Sec. 36-19-52 W.					
7- 1	Benner-Christensen	0.5	8-16	Christensen-Hanks	0.0
LAWRENCE FORK					
Below Randall Diversion—Sec. 21-18-52 W.					
8-16	Hanks-Christensen	0.8			
LAWRENCE FORK					
Below Niehus Canal, A-550—Sec. 11-18-52 W.					
8-16	Christensen-Hanks	2.9			
LAWRENCE FORK					
Sec. 1-18-52 W.					
8-16	Hanks-Christensen	0.7			
LAWRENCE FORK					
Below Spring Branch Canal—Sec. 12-18-52 W.					
8-16	Christensen-Hanks	0.6			
LILLIAN CREEK					
Walworth—Sec. 1-19-20 W.					
6-10	B. A. Nelson	0.2			
LINCOLN COUNTY DRAIN NO. 2					
Sec. 12-14-33 W.					
10- 3	A. C. Hilpert	3.8	4-24	J. H. Hintz	2.5
10-11	do	3.2	5- 8	do	2.5
10-23	do	3.5	5-22	do	3.9
10-31	do	3.6	6- 5	do	3.8
11- 6	do	3.6	6-20	do	4.1
1-25	J. H. Hintz	2.4	7-11	do	3.2
1-30	do	2.4	8- 3	do	5.3
2-13	do	2.6	8-17	do	3.9
2-28	do	2.4	8-31	do	4.6
3-14	do	2.8	9-10	do	4.7
3-28	do	3.2	9-26	do	3.3
4-17	do	2.3			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Wyoming-Nebraska Line—Sec. 11-14-59 W.					
10-16	C. E. Franklin	6.5	3-11	C. E. Franklin	7.0
10-29	do	4.3	3-25	do	4.0
11-21	do	11.1	4-19	do	5.2
12-11	do	9.1	4-30	do	5.7
12-27	do	7.5	5-17	Franklin-Hanna	7.6
1-16	do	7.1	5-31	C. E. Franklin	10.4
2- 7	do	6.9	8- 9	O. R. Benner	2.6
2-16	do	5.2	8-27	do	2.7
2-28	do	4.9			
LODGEPOLE CREEK					
Below Oliver Reservoir—Sec. 31-15-56 W.					
10-16	C. E. Franklin	3.7	3-11	C. E. Franklin	5.2
10-29	do	4.6	3-26	do	5.6
11-21	do	4.3	4-19	do	5.5
12-11	do	5.1	4-29	do	4.6
12-27	do	6.3	5-17	Franklin-Hanna	3.7
1-16	do	5.7	5-31	C. E. Franklin	5.3
2- 7	do	5.9	8- 9	O. R. Benner	1.5
2-16	do	2.8	8-27	do	.8
2-28	do	5.9			
LODGEPOLE CREEK					
Above Bennett Reservoir—Sec. 28-15-55 W.					
10-30	C. E. Franklin	14.6			
LODGEPOLE CREEK					
Dix—Sec. 26-15-54 W.					
10-15	C. E. Franklin	7.1	2-28	C. E. Franklin	4.6
10-30	do	4.4	3-11	do	4.0
11-21	do	7.8	3-26	do	2.5
12-11	do	7.4	4-22	do	.9
12-27	do	6.6	4-30	do	.0
1-16	do	6.4	5-31	do	.0
2- 6	do	4.8	8-10	O. R. Benner	.0
2-16	do	5.7	8-28	do	.0
LODGEPOLE CREEK					
Potter—Sec. 6-14-52 W.					
10-30	C. E. Franklin	0.0	2-16	C. E. Franklin	0.0
11-21	do	.0	2-28	do	.0
12-11	do	.0	3-11	do	.0
12-27	do	.0	3-26	do	0
1-16	do	.0	4-30	do	.0
2- 6	do	.0	5-31	do	.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
South Line—Sec. 28-14-50 W.					
6-22	A. W. Hall	0.9			
LODGEPOLE CREEK					
Sidney—Sec. 31-14-49 W.					
10-15	C. E. Franklin	0.8	2-28	C. E. Franklin	1.4
10-30	do	.5	3-14	do	.4
11-21	do	.3	3-26	do	.5
12-11	do	.6	4-22	do	.4
12-27	do	2.3	4-30	do	.5
1-19	do	2.1	5-22	do	.5
2- 6	do	1.7	6- 6	do	.6
2-16	do	5.7	9-25	Kimmel-Ratliff	0
LODGEPOLE CREEK					
Below Krueger's Lake—Sec. 29-14-48 W.					
10-15	C. E. Franklin	6.5	3-14	C. E. Franklin	0.3
10-30	do	7.3	3-26	do	.5
11-23	do	11.2	5- 4	do	.3
12-11	do	6.6	6- 6	do	.5
12-30	do	8.6	7-18	O. R. Benner	.1
1-19	do	10.6	8- 6	S. M. Christensen	.3
2- 6	do	4.9	8- 6	do	4.1
2-16	do	6.7	8-26	O. R. Benner	.3
2-28	do	6.0	9-25	Kimmel-Ratliff	.9
LODGEPOLE CREEK					
Above Krueger Canal—Sec. 31-14-48 W.					
7-18	O. R. Benner	1.3	8-20	Christensen-Hanks	2.1
7-25	do	2.4	8-26	O. R. Benner	3.7
8- 6	S. M. Christensen	4.2	9- 4	E. S. Kimmel	4.4
8- 7	do	3.4	9-25	Kimmel-Ratliff	5.3
8- 8	O. R. Benner	2.1			
LODGEPOLE CREEK					
Below Thorstensen's Canal—Sec. 12-14-52 W.					
8- 5	S. M. Christensen	3.9			
LODGEPOLE CREEK					
Above Christensen's Diversion, D-367—Sec. 12-14-52 W.					
8- 5	S. M. Christensen	4.1			
LODGEPOLE CREEK					
NW¼ Sec. 32-14-48 W.					
7-25	O. R. Benner	0.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Center of Sec. 32-14-49 W.					
7-25	O. R. Benner	1.1	8-26	O. R. Benner	1.4
8- 8	do	1.3			
LODGEPOLE CREEK					
West Line—Sec. 35-14-50 W.					
6-22	A. W. Hall	0.0			
LODGEPOLE CREEK					
Kimball—Sec. 29-15-55 W.					
10-16	C. E. Franklin	10.2	3-11	C. E. Franklin	13.2
10-29	do	9.7	3-25	do	11.6
11-21	do	10.1	4-19	do	5.7
12-11	do	19.1	4-29	do	.0
12-27	do	11.9	5-17	do	7.3
1-16	do	18.3	5-31	do	8.7
2- 7	do	12.6	8- 9	O. R. Benner	.9
2-16	do	10.9	8-26	do	1.9
2-28	do	9.4			
LODGEPOLE CREEK					
South of Sunol—Sec. 36-14-48 W.					
10-14	C. E. Franklin	4.1	3-14	C. E. Franklin	1.6
10-30	do	4.6	3-26	do	1.8
11-23	do	4.6	4-22	do	4.4
12-11	do	3.7	5- 4	do	2.3
12-30	do	5.1	5-22	do	2.9
1-19	do	4.9	6- 6	do	4.0
2- 6	do	2.7	8-26	O. R. Benner	.0
2-16	do	4.1	9-25	Kimmel-Ratliff	.5
2-28	do	3.8			
LODGEPOLE CREEK					
Lodgepole—Sec. 30-14-46 W.					
10-14	C. E. Franklin	7.7	2-28	C. E. Franklin	11.2
10-15	do	.0	3-12	do	3.3
10-30	do	9.3	3-31	do	7.3
11-23	do	3.8	4-22	do	4.0
12-11	do	9.3	5- 4	do	.3
12-30	do	7.7	5-22	do	1.6
1-19	do	8.4	6- 4	do	4.6
2- 6	do	8.4	9-25	Kimmel-Ratliff	.0
2-16	do	11.1			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LODGEPOLE CREEK					
Chappel—Sec. 21-13-45 W.					
10-14	C. E. Franklin	15.1	2-28	C. E. Franklin	10.9
10-31	do	15.9	3-12	do	9.6
11-23	do	9.9	3-26	do	16.8
12-11	do	10.3	4-19	do	18.0
12-30	do	9.2	5- 3	do	7.8
1-17	do	18.6	5-20	do	7.4
2- 6	do	12.9	6- 4	do	18.2
2-18	do	20.3	9-25	Kimmel-Ratliff	.4
LODGEPOLE CREEK					
Interstate Station at Ralton—Sec. 12-12-45 W.					
10-14	C. E. Franklin	21.8	2-28	C. E. Franklin	12.3
10-31	do	23.0	3-12	do	8.0
11-23	do	8.0	3-31	do	21.5
12-11	do	18.3	4-22	do	19.2
12-30	do	9.4	5- 3	do	17.4
1-17	do	25.4	5-20	do	7.6
2- 6	do	25.1	6- 4	do	25.5
2-18	do	22.7			
LODGEPOLE CREEK					
Miscellaneous Locations					
8- 8	O. R. Benner	0.6	Station Sec. 29-14-47 W.		
8- 8	do	.7	Station Sec. 29-14-47 W.		
8- 8	do	.0	Station Sec. 36-14-48 W.		
8- 8	do	.0	Station Sec. 33-14-47 W.		
8- 8	do	.0	Station Sec. 26-14-47 W.		
8-11	do	.4	Station Sec. 20-14-50 W.		
8-11	do	.1	Station Sec. 33-14-50 W.		
8-26	do	.0	Station Sec. 27-14-47 W.		
8-26	do	.0	Station Sec. 27-14-47 W.		
8-26	do	.0	Station Sec. 28-14-47 W.		
8-28	do	.8	Station Sec. 19-14-50 W.		
8-28	do	.0	Station Sec. 33-14-50 W.		
9- 4	E. S. Kimmel	.5	Station Sec. 34-14-49 W.		
9- 4	do	2.4	Station below Borquist Dam, 34-14-49 W.		
9-25	Kimmel-Ratliff	2.3	Station Sec. 33-14-49 W.		
9-25	do	.1	Station Sec. 20-14-50 W.		
9-25	do	.5	Station Sec. 20-14-50 W., above Runge Res.		
9-25	do	5.7	Sta. Sec. 35-14-49 W., below Borquist Canal		

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
LONERGAN CREEK					
Lemoyne—Sec. 17-15-39 W.					
11- 7	E. S. Kimmel	6.6	5-30	S. M. Christensen	4.5
1-23	K. N. Andrews	7.4	6- 5	do	5.5
2- 9	do	5.5	6-20	do	2.9
2-19	do	5.7	7-12	do	1.7
3- 4	do	8.1	7-25	do	1.9
3-19	do	5.6	8-15	Christensen-Hanks	3.3
4- 1	do	6.1	9- 9	Harrington-Hanks	6.7
4-18	do	4.4	9-24	P. D. Harrington	6.0
5- 9	J. P. Clark	4.5			
LOST CREEK					
Sec. 1-16-44 W.					
1-23	K. N. Andrews	0.2	4- 3	K. N. Andrews	0.5
2- 4	do	.2	4-17	Andrews-Clark	.6
2-20	do	.3	5-10	J. P. Clark	.3
3- 4	do	.5	6-15	S. M. Christensen	.0
3-18	do	1.0	6-18	do	.0
MELBETA DRAIN					
One-half Mile West of Melbeta Bridge—Sec. 13-21-54 W.					
10- 8	E. S. Kimmel	4.7	5-31	K. N. Andrews	3.0
12-15	Kimmel-Andrews	3.7	6-14	do	7.7
1- 5	K. N. Andrews	2.3	6-22	do	10.6
1-17	do	2.3	7- 6	do	14.9
2- 1	do	1.8	7-16	do	14.2
2-26	do	1.9	7-26	do	2.2
3-13	do	1.7	8- 6	do	.0
3-29	do	1.8	8-15	do	.1
4-10	Andrews-Patterson	1.6	9- 6	S. M. Christensen	5.9
4-26	Clark-Andrews	1.6	9-12	Ratliff-Hanks	8.1
5-10	Christensen-Andrews	9.0	9-27	S. M. Christensen	2.7
5-18	K. N. Andrews	5.0			
MINNECHADUZA CREEK					
Near Valentine—Sec. 23-34-29 W.					
10- 6	C. E. Franklin	22.0	4-14	C. E. Franklin	33.6
10-22	do	17.2	4-27	do	21.4
12-17	do	16.1	5-10	do	49.9
1- 9	do	24.0	5-28	do	18.7
1-26	do	24.1	7-15	O. R. Benner	10.3
2-12	do	19.8	7-31	do	7.5
2-25	do	31.2	8-15	do	8.0
3- 7	do	47.5	8-22	Benner-Hanks	10.9
3-22	do	60.0	9-19	Ratliff-Hanks	26.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
MIRA CREEK					
North Loup—Sec. 26-18-13 W.					
6-12	B. A. Nelson	0.3	7-24	B. A. Nelson	0.5
MONROE CREEK					
Above Reservoir—Sec. 14-33-56 W.					
2-14	C. E. Franklin	1.3	6-13	C. E. Franklin	2.6
5-13	Franklin-Rasmussen	.3			
MONROE CREEK, BIG					
Below Monroe Canal—Sec. 33-33-56 W.					
10-10	C. E. Franklin	0.0	4- 6	Franklin-Rasmussen	0.0
10-25	do	.0	4- 9	do	.0
11-27	do	.0	4-16	C. E. Franklin	1.6
1-11	do	.0	4-28	do	1.6
1-29	J. J. Rasmussen	.0	5-13	Franklin-Rasmussen	1.0
2-14	C. E. Franklin	.0	6-13	C. E. Franklin	.6
2-27	do	.0	7-10	O. R. Benner	.0
3- 9	do	.0	8-17	do	.0
MONROE CREEK					
Above Jordan Reservoir—Sec. 23-33-56 W.					
4- 6	Franklin-Rasmussen	0.2	7-10	O. R. Benner	0.6
4-28	C. E. Franklin	.2	8- 2	do	.5
5-13	Franklin-Rasmussen	.3	8-17	do	.4
6-13	C. E. Franklin	2.6			
MONROE CREEK					
Below Jordan Canal—Sec. 22-33-56 W.					
10-10	C. E. Franklin	0.2	4-9	Franklin-Rasmussen	0.0
10-25	do	.3	4-28	do	.0
11-27	do	1.1	5-13	do	.0
1-11	do	.7	6-13	C. E. Franklin	2.5
1-29	Franklin-Rasmussen	.9	7-10	O. R. Benner	.0
2-27	C. E. Franklin	.6	8- 2	do	.0
3- 9	do	.6	8-17	do	.0
4- 6	Franklin-Rasmussen	.0			
MONROE CREEK, BIG					
Below Schilt-Monroe Canal—Sec. 27-32-56 W.					
4- 9	Franklin-Rasmussen	0.03	6-13	C. E. Franklin	0.66

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
MONROE CREEK, BIG					
Below D-509—Sec. 27-33-56 W.					
4- 6	Franklin-Rasmussen	0.1	6-13	C. E. Franklin	0.7
4-16	C. E. Franklin	.1	7-10	O. R. Benner	.2
4-28	do	.2	8- 2	do	.0
5-13	Franklin-Rasmussen	.6			
MONROE CREEK, BIG					
Below D-506—Sec. 33-33-56 W.					
4- 9	Franklin-Rasmussen	0.0	8- 2	O. R. Benner	0.3
6-13	C. E. Franklin	.8			
MONROE CREEK, LITTLE					
Sec. 27-33-56 W.					
4- 6	Franklin-Rasmussen	0.4	8-17	O. R. Benner	0.0
4- 9	do	.4			
MUNSON CREEK					
Elba—Sec. 33-16-11 W.					
6- 3	B. A. Nelson	0.1	9- 5	B. A. Nelson	0.0
7-24	do	.0			
NIOBRARA RIVER					
Wyoming-Nebraska State Line—Sec. 20-31-58 W.					
10-12	C. E. Franklin	5.4	4-17	C. E. Franklin	9.1
10-27	do	5.5	5-15	do	8.4
1-11	do	4.8	7-11	O. R. Benner	2.2
2-14	do	7.0	8- 3	do	3.7
2-27	do	8.0	8-17	do	3.5
3- 9	do	10.2	9-18	Ratliff-Hanks	66.6
NIOBRARA RIVER					
South of Harrison—Sec. 9-29-56 W.					
10-11	C. E. Franklin	8.1	4-17	C. E. Franklin	11.0
10-27	do	8.9	5-15	do	12.3
1-11	do	14.2	7-11	O. R. Benner	4.9
2-14	do	10.9	8- 3	do	5.9
2-27	do	15.7	8-18	do	5.2
3- 9	do	16.0	9-18	Ratliff-Hanks	21.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
NIOBRARA RIVER					
Agate—Sec. 7-28-55 W.					
10-11	C. E. Franklin	11.2	4-17	C. E. Franklin	13.6
10-27	do	11.6	5-15	do	14.1
1-12	do	24.3	7-11	O. R. Benner	7.9
2-14	do	18.7	8- 3	do	7.2
2-27	do	39.7	8-18	do	5.0
3- 9	do	26.5	9-17	Ratliff-Hanks	32.2
NIOBRARA RIVER					
Below Mouth of Whistle Creek—Sec. 7-28-53 W.					
10-12	C. E. Franklin	8.3	5-15	C. E. Franklin	14.1
10-27	do	7.0	6-14	do	9.3
1-12	do	35.1	7-11	O. R. Benner	9.6
2-14	do	53.9	8- 3	do	5.2
2-27	do	50.2	8-18	do	6.6
3- 9	do	36.0	9-17	Ratliff-Hanks	8.4
NIOBRARA RIVER					
East of Marsland—Sec. 36-29-51 W.					
10-12	C. E. Franklin	19.7	3- 9	C. E. Franklin	49.8
10-24	do	20.0	3-19	do	49.0
11- 3	do	12.3	4- 5	do	51.6
11-12	do	20.8	4-24	do	34.0
1- 5	do	41.6	7- 9	O. R. Benner	25.4
1-22	do	34.0	8- 4	do	7.8
2-10	do	21.7	8-19	do	6.9
2-22	do	45.8	9-17	Ratliff-Hanks	23.0
NIOBRARA RIVER					
Below Lichte Canal—Sec. 27-29-48 W.					
10-10	A. W. Hall	0.9	6- 7	E. S. Kimmel	1.8
NIOBRARA RIVER					
Below Mirage Flats Diversion—Sec. 26-29-48 W.					
8-14	O. R. Benner	0.02	9-17	Ratliff-Hanks	0.68
NIOBRARA RIVER					
Below Dam at Valentine—Sec. 22-34-27 W.					
10- 6	C. E. Franklin	681	10-21	C. E. Franklin	641
NIOBRARA RIVER					
Valentine South—Sec. 9-33-13 W.					
10- 5	C. E. Franklin	676			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
OAK CREEK					
Dannebrog—West Line of Sec. 9-13-11 W.					
6-13	B. A. Nelson	0.1			
OTTER CREEK					
Lemoyne—Sec. 32-16-40 W.					
11- 7	E. S. Kimmel	22.7	5-29	S. M. Christensen	22.5
1-23	K. N. Andrews	18.4	6- 6	do	23.4
2- 9	do	18.4	6-20	do	20.2
2-19	do	19.9	7-12	do	26.2
3- 4	do	19.8	7-25	do	20.1
3-19	do	19.7	8-15	Christensen-Hanks	20.0
4- 1	do	18.3	9- 9	Harrington-Hanks	19.1
4-18	Clark-Andrews	20.9	9-24	P. D. Harrington	19.8
5- 9	J. P. Clark	17.6			
PAWNEE CREEK					
Sec. 4-12-27 W.					
10- 2	A. C. Hilpert	3.2	5-17	D. B. Ender	2.2
10-10	do	3.6	5-29	do	11.1
10-20	do	1.2	6- 7	do	3.0
10-29	do	1.7	6-24	do	1.7
11- 5	do	1.6	7-10	do	.3
1-22	D. B. Ender	8.8	7-17	do	.1
2- 8	do	2.9	7-25	do	.1
2-21	do	12.0	8- 8	do	.3
3-14	do	12.8	8-21	do	.1
3-25	do	12.4	9- 5	do	.1
4-19	do	4.4	9-18	do	.2
5- 6	do	3.7			
PINE CREEK					
Colclessor Mill—Sec. 33-30-44 W.					
10- 3	C. E. Franklin	21.2	4-12	C. E. Franklin	26.4
10-19	do	23.7	4-27	do	24.4
12-17	do	18.2	5- 7	do	31.9
1- 7	do	24.0	5-26	do	23.0
1-24	do	40.5	6-11	do	25.9
2-11	do	27.9	7-13	O. R. Benner	14.4
2-23	do	30.7	7-30	do	12.6
3-20	do	31.6	8-15	do	13.0
PRAIRIE DOG CREEK					
Below D-508, Schilt-Prairie Dog Canal—Sec. 35-33-56 W.					
10-25	C. E. Franklin	0.0	1-29	Franklin-Rasmussen	0.0

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
PUMPKINSEED CREEK					
Gering-Kimball Highway—Sec. 4-19-55 W.					
10-29	C. E. Franklin	1.9	3-11	C. E. Franklin	5.2
11-21	do	1.2	3-25	do	4.3
12-27	do	5.6	4-19	do	2.4
1-16	do	4.9	4-29	do	5.4
2- 7	do	6.3	5-17	do	6.2
2-15	do	4.8	5-31	do	8.0
2-28	do	6.3			
PUMPKINSEED CREEK					
Below Mutual Canal—Sec. 33-19-52 W.					
7-18	O. R. Benner	12.3			
RED CREEK, LITTLE					
Below Zerbst Canal—Sec. 34-33-56 W.					
10-25	C. E. Franklin	0.0			
ROCK CREEK					
Near Rockville—Sec. 5-13-13 W.					
6-13	B. A. Nelson	0.0	7-31	B. A. Nelson	0.0
SAND CREEK					
Sec. 34-16-40 W.					
11- 7	E. S. Kimmel	3.5	5-30	S. M. Christensen	0.4
1-23	K. N. Andrews	4.0	6- 6	do	.0
2- 9	do	2.8	6-20	do	4.1
2-19	do	3.7	7-12	do	1.1
3- 4	do	3.9	7-25	do	8
3-19	do	3.7	8-15	Christensen-Hanks	3.3
4- 1	do	3.3	9- 9	Harrington-Hanks	3.0
4-18	Clark-Andrews	3.3	9-24	P. D. Harrington	3.5
5- 9	J. P. Clark	.8			
SARBEN SLOUGH					
Sec. 20-14-35 W.					
10- 3	A. C. Hilpert	10.2	5- 7	J. H. Hintz	7.0
10-11	do	7.0	5-14	do	5.2
10-22	do	9.6	5-28	do	6.5
10-31	do	8.2	6-20	do	5.3
11- 7	do	8.9	7-10	do	4.9
1-23	J. H. Hintz	5.9	7-17	do	5.2
2- 6	do	5.8	8- 1	do	4.3
2-19	do	6.3	8-14	do	4.5
3- 5	do	6.6	8-27	do	6.6
3-21	do	6.3	9-12	do	8.2
4- 2	do	5.8	9-26	do	7.0
4-16	do	5.7			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SCOTTSBLUFF DRAIN NO. 1					
Sec. 25-22-55 W.					
10-11	A. W. Hall	21.0	5-21	K. N. Andrews	7.4
12-12	Andrews-Kimmel	8.7	5-31	do	5.6
1- 3	K. N. Andrews	8.3	6-12	S. M. Christensen	5.8
1-14	do	8.1	6-24	K. N. Andrews	6.4
1-29	do	8.8	7- 6	do	8.6
2-25	do	6.3	7-15	do	9.6
3-11	do	6.8	7-24	do	11.3
3-26	do	6.5	8- 6	do	15.9
4- 8	Andrews-Patterson	6.3	8-14	do	14.9
4-23	Andrews-Clark	11.2	8-23	do	14.0
5- 9	Christensen-Andrews	6.9			
SCOTTSBLUFF DRAIN NO. 2					
Sec. 34-22-54 W.					
10-11	A. W. Hall	15.3	5-21	K. N. Andrews	1.7
12-12	Andrews-Kimmel	1.7	5-31	do	3.1
1- 2	K. N. Andrews	1.0	6-14	do	4.8
1-14	do	1.6	6-27	do	7.0
1-29	do	1.2	7- 6	do	9.3
2-25	do	.9	7-17	do	9.2
3-11	do	1.3	7-25	do	10.0
3-26	do	1.2	8- 6	do	6.2
4- 8	Andrews-Patterson	.8	8-14	do	9.4
4-23	Andrews-Clark	.6	8-23	do	7.7
5-10	Christensen-Andrews	10.4	9- 6	S. M. Christensen	4.1
SCOUT CREEK					
North Platte—Sec.20-14-30 W.					
10- 8	A. C. Hilpert	1.5	7- 9	J. H. Hintz	21.4
10-18	do	7.8	7-24	do	2.4
11- 6	do	20.9	8- 7	do	9.3
4-26	J. H. Hintz	.0	8-21	do	.8
5-10	do	12.9	9- 5	do	16.5
5-17	do	17.5	9-18	do	11.9
6- 8	do	5.4	9-25	do	27.9
6-25	do	18.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SILVERNAIL DRAIN					
Sec. 6-19-49 W.					
11- 9	E. S. Kimmel	6.5	6- 7	S. M. Christensen	6.1
1-17	K. N. Andrews	6.0	6-21	do	10.6
2- 1	do	5.0	7- 3	Benner-Christensen	15.8
2-13	do	4.3	7-10	S. M. Christensen	19.7
2-28	do	4.3	7-23	do	6.4
3- 8	do	4.5	7-29	do	6.3
3-29	do	3.8	8-26	Harrington-Hanks	13.4
4- 5	do	4.2	9- 3	P. D. Harrington	8.0
5- 3	J. P. Clark	3.8	9-12	do	6.9
5-24	S. M. Christensen	12.3	9-26	do	17.7
5-31	do	5.3			
SKUNK CREEK					
Sec. 1-14-37 W.					
1-23	J. H. Hintz	2.2	6- 7	J. H. Hintz	2.1
2- 7	do	2.4	6-21	do	2.1
2-21	do	2.2	7-10	do	2.0
3-13	do	2.0	7-26	do	1.6
3-21	do	2.2	8- 9	do	1.8
4- 4	do	2.1	8-23	do	2.1
4-18	do	2.4	9-13	do	2.1
5-14	do	2.3	9-27	do	2.0
5-23	do	1.9			
SNAKE CREEK					
Alliance-Bridgeport Highway—Sec. 8-24-48 W.					
10- 2	C. E. Franklin	0.0	2-10	C. E. Franklin	8.6
10-18	do	.0	2-21	do	2.9
11- 3	do	.0	3- 4	do	6.6
11-12	do	.0	3-18	do	7.2
12-15	do	.0	5-24	do	2.5
1-22	do	.0	6-10	do	.0
SNAKE RIVER					
5 Miles above Falls—Sec. 29-31-30 W.					
10-21	C. E. Franklin	240.0	4-13	C. E. Franklin	247.0
12-18	do	244.6	5- 9	do	258.0
2-24	do	297.0	7-14	O. R. Benner	229.0
SOLDIER CREEK					
Below Soldier Creek Canal—Sec. 18-31-52 W.					
10- 9	C. E. Franklin	2.2	5-11	C. E. Franklin	4.7
10-26	do	2.6			

DISCHARGE MEASUREMENTS OF STREAMS—Continued

Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SOW BELLY CREEK					
Below Zimmerman Canal—Sec. 34-33-55 W.					
10-10	C. E. Franklin	2.0	3- 9	C. E. Franklin	3.2
10-25	do	.3	4- 9	do	.3
2-14	do	5.0	4-16	do	.4
2-27	do	4.5	5-14	do	.1
SOW BELLY CREEK					
Sec. 5-32-55 W.					
10-10	C. E. Franklin	1.9	4- 9	C. E. Franklin	0.1
10-25	do	2.9	4-16	do	.1
1-11	do	3.0	5-14	do	.1
2-14	do	4.4	7-10	O. R. Benner	1.3
2-27	do	3.9	8- 4	do	1.6
3- 9	do	2.8	8-17	do	1.7
SPOTTED TAIL CREEK, DRY					
Sec. 28-23-56 W.					
12-13	Kimmel-Andrews	28.8	5-28	K. N. Andrews	47.0
1- 3	K. N. Andrews	35.4	6-13	do	44.0
1-15	do	34.2	6-21	do	55.5
1-30	do	29.5	7- 5	do	54.7
2-25	do	27.8	7-12	do	65.0
3-12	do	26.6	7-23	do	60.8
3-27	do	24.5	8- 5	do	34.2
4-10	Andrews-Patterson	26.2	8-13	do	38.9
4-25	Clark-Andrews	44.9	8-20	do	28.4
5- 9	Christensen-Andrews	38.6	9- 5	S. M. Christensen	46.9
5-17	K. N. Andrews	46.4	9-26	do	55.7
SPOTTED TAIL CREEK, WET					
Sec. 6-22-55 W.					
11- 3	Kimmel-Nickell	15.6	5-17	K. N. Andrews	10.7
12-14	Andrews-Kimmel	13.1	5-28	do	10.8
1- 3	K. N. Andrews	13.0	6-13	do	11.1
1-15	do	12.6	6-21	do	13.4
1-30	do	14.5	7- 5	do	13.8
2-25	do	9.7	7-12	do	11.5
3-11	do	11.1	7-23	do	12.1
3-27	do	10.7	8- 5	do	12.6
4- 9	Andrews-Patterson	10.4	8-13	do	15.2
4-23	Andrews-Clark	9.2	8-21	do	15.7
5- 3	K. N. Andrews	9.8			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
SPRING CREEK					
Wyoming-Nebraska Line—Sec. 4-23-58 W.					
10- 6	E. S. Kimmel	13.5	5-15	K. N. Andrews	7.3
11- 3	Kimmel-Nickell	12.1	5-23	do	7.3
12-14	Andrews-Kimmel	9.5	6- 4	do	6.6
1- 4	K. N. Andrews	10.1	6-19	do	8.6
1-16	do	9.4	6-23	do	5.8
1-31	do	9.8	7- 8	do	7.0
2-15	do	9.4	7-18	do	7.1
2-27	do	9.7	7-29	do	6.7
3-13	do	8.3	8- 8	do	7.5
3-28	do	9.3	8-16	do	7.3
4-12	Andrews-Patterson	7.5	9- 3	S. M. Christensen	8.7
4-24	Andrews-Clark	8.7	9- 9	do	11.0
5- 6	Christensen-Andrews	8.8	9-24	do	10.8
SPRING CREEK					
Tributary to Sow Belly Creek—Sec. 34-33-55 W.					
10-25	C. E. Franklin	0.0	5-12	C. E. Franklin	0.0
4-16	do	.3			
SPRING CREEK					
Cushing—Sec. 8-15-9 W.					
6-12	B. A. Nelson	3.6	7-24	B. A. Nelson	1.0
SQUAW CREEK					
Above McDowell's Reservoir—Sec. 12-31-52 W.					
10- 9	C. E. Franklin	0.2	2-26	C. E. Franklin	0.6
10-26	do	.3	3- 8	do	.4
11-15	do	.4	4-15	do	.3
12-22	do	.3	5-11	do	.3
1-12	do	.3	8- 1	O. R. Benner	.0
1-31	do	.4	8-19	do	.0
2-13	do	.3			
SQUAW CREEK					
Below McDowell's Reservoir—Sec. 1-31-52 W.					
10- 9	C. E. Franklin	0.3	2-26	C. E. Franklin	0.6
10-26	do	.3	3- 8	do	.4
11-15	do	.4	4-15	do	.3
12-22	do	.3	5-11	do	.3
1-12	do	.0	7-12	O. R. Benner	.5
1-31	do	.4	8- 1	do	.4
2-13	do	.3	8-19	do	.3

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
TRI-COUNTY DRAIN DITCH					
Sec. 14-11-26 W.					
6-21	D. B. Ender	8.0	9-12	D. B. Ender	8.6
7-24	do	7.1	9-26	do	7.3
8-15	do	7.5			
TRUNK BUTTE CREEK					
Sec. 25-33-50 W.					
10- 8	C. E. Franklin	0.0	3- 8	C. E. Franklin	0.7
10-23	do	.7	4- 8	do	.2
11-14	do	.0	4-28	do	0
12-21	do	.6	5-12	do	.1
1-10	do	.3	5-29	do	.6
1-27	do	.3	7-12	O. R. Benner	.0
2-13	do	.7	8- 1	do	.0
2-26	do	.1	8-19	do	.3
TUB SPRINGS					
Above Enterprise Canal—Sec. 33-23-55 W.					
5- 3	K. N. Andrews	35.0	7-18	K. N. Andrews	33.2
5-17	do	41.7	7-24	do	37.8
5-29	do	47.0	8- 5	do	36.3
6-13	do	25.6	8-13	do	37.4
6-21	do	53.0	8-21	do	35.5
7- 2	do	30.1	9-10	S. M. Christensen	44.6
7-13	do	36.5	9-25	do	43.3
TUB SPRINGS					
Below Enterprise Canal—Sec. 32-23-55 W.					
1- 3	K. N. Andrews	43.7	6-21	K. N. Andrews	43.3
1-15	do	38.7	7- 2	do	14.9
1-29	do	40.9	7-13	do	2.1
2-25	do	30.6	7-18	do	10.2
3-11	do	32.1	7-24	do	3.2
3-27	do	29.7	8- 5	do	1.7
4-10	Andrews-Patterson	27.5	8-13	do	2.1
4-25	Clark-Andrews	19.3	8-21	do	.8
5- 3	K. N. Andrews	43.5	9- 5	S. M. Christensen	4.0
5-17	do	31.5	9-10	do	18.0
5-29	do	57.7	9-25	do	46.0
6-13	do	3.5			
TUB SPRINGS					
Sec. 8-22-55 W.					
11- 3	Kimmel-Nickell	57.7	12-12	Andrews-Kimmel	46.4

BUREAU OF IRRIGATION 307
DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
TURKEY CREEK					
Dannebrog—West Line of Sec. 26-14-11 W.					
6-13	B. A. Nelson	0.0			
TURTLE CREEK					
Elyria—Sec. 31-20-14 W.					
6-12	B. A. Nelson	1.7	9- 5	B. A. Nelson	1.8
7-24	do	1.8			
WAGNER CREEK					
Comstock—West Line of Sec. 3-18-17 W.					
6-10	B. A. Nelson	0.0			
WALLACE CREEK					
Near Scotia—South Line of Sec. 3-17-12 W.					
6-12	B. A. Nelson	0.0			
WARBONNET CREEK					
Above Warbonnet Canal—Sec. 21-33-56 W.					
2-27	C. E. Franklin	2.2	8- 2	O. R. Benner	0.9
3- 9	do	2.8	8-15	do	.8
5-14	do	.0			
WARBONNET CREEK					
Below Warbonnet Canal—Sec. 20-33-56 W.					
10-10	C. E. Franklin	0.0	2-14	C. E. Franklin	4.3
10-25	do	.0	4-16	do	1.9
11-27	do	.0	5-14	do	1.4
1-11	do	3.7			
WHITE CLAY CREEK					
Crawford—Sec. 2-31-52 W.					
10- 9	C. E. Franklin	0.7	3- 8	C. E. Franklin	3.0
10-26	do	1.9	4-15	do	2.7
11-15	do	2.5	5-11	do	3.5
12-22	do	2.0	7-12	O. R. Benner	.9
1-12	do	2.4	8- 1	do	.8
1-31	do	1.8	8- 1	do	.4
2-13	do	1.3	8-19	do	.5
2-26	do	4.8			
WHITE CLAY CREEK					
Above Whitney Diversion—Sec. 26-32-52 W.					
10-26	C. E. Franklin	2.1	4-16	C. E. Franklin	1.4
11-15	do	.8	5-11	do	.8
12-22	do	1.4	5-30	do	2.3
1-31	do	2.2	6-12	do	.3
2-23	do	4.0	7-12	O. R. Benner	.9
2-26	do	4.4	8-16	do	.1
3- 8	do	6.4			

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
WHITE CLAY CREEK					
Above Junction with Larabee Creek—Sec. 6-34-44 W.					
10- 3	C. E. Franklin	3.7	4-27	C. E. Franklin	4.1
10- 9	do	.7	5- 8	do	6.2
10-19	do	3.4	5-25	do	4.7
12-17	do	2.9	6-11	do	3.6
1- 6	do	4.8	7-13	O. R. Benner	5.6
1-10	do	1.4	7-16	do	3.2
2-13	do	1.5	7-30	do	2.7
3-20	do	5.8	8-15	do	3.1
4-12	do	3.7			

WHITE HORSE CREEK					
Gannett—Sec. 5-13-29 W.					
10- 2	A. C. Hilpert	24.3	5- 6	D. B. Ender	12.9
10-10	do	9.4	5-17	do	8.9
10-20	do	12.5	6- 3	do	15.6
10-29	do	11.3	6-27	do	6.1
11- 5	do	13.2	7-10	do	3.2
1-22	D. B. Ender	15.2	7-24	do	1.6
2- 8	do	16.8	8- 8	do	2.0
2-21	do	24.8	8-22	do	1.4
3-14	do	59.4	9- 5	do	3.4
3-25	do	28.5	9-25	do	5.4
4-12	do	23.8			

WHITE RIVER					
Above Whitney Diversion—Sec. 26-32-52 W.					
10- 9	C. E. Franklin	24.7	4-16	C. E. Franklin	19.4
10-26	do	24.6	4-28	do	19.7
11-15	do	12.4	5-11	do	25.2
12-22	do	22.0	5-30	do	52.9
1-10	do	7.2	6-12	do	23.6
1-28	do	14.6	7-12	O. R. Benner	14.1
2-13	do	21.4	8- 1	do	10.2
2-26	do	30.7	8-19	do	13.5
3- 8	do	30.2	9-20	Ratliff-Hanks	31.8

DISCHARGE MEASUREMENTS OF STREAMS—Continued
Water Year Ending September 30, 1946

Date	Hydrographer	Discharge Sec.-ft.	Date	Hydrographer	Discharge Sec.-ft.
WHITE RIVER					
Below Whitney Diversion—Sec. 26-32-52 W.					
10- 9	C. E. Franklin	5.8	4-16	C. E. Franklin	4.5
10-25	do	6.5	4-28	do	.3
11-15	do	1.7	5-11	do	10.4
12-22	do	10.8	6-12	do	6.3
1-10	do	4.9	7-12	O. R. Benner	4.1
1-28	do	14.2	8- 1	do	2.1
2-13	do	3.2	8-19	do	7.5
2-26	do	28.4	9-20	Ratliff-Hanks	19.9
3- 8	do	29.2			

WHITE TAIL CREEK
Sec. 36-15-38 W.

11- 7	E. S. Kimmel	27.3	5-23	J. H. Hintz	25.8
1-22	J. H. Hintz	30.4	6- 7	do	24.6
1-29	do	28.2	6-21	do	25.3
2-14	do	28.0	7-12	do	26.1
3- 1	do	31.3	7-26	do	24.7
3-13	do	28.2	8-15	do	23.8
3-29	do	30.2	9- 6	do	25.8
4-12	do	28.1	9-20	do	28.0
4-25	do	28.8	9-27	do	26.6
5- 9	Hintz-Ender	27.9			

WIGGLE CREEK
Loup City—Sec. 7-14-14 W.

6-13	B. A. Nelson	0.0			
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WILD HORSE CREEK
Sec. 35-22-51 W.

7-26	K. N. Andrews	5.4			
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**DISCHARGE
MEASUREMENTS
OF CANALS**

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DISCHARGE MEASUREMENTS OF CANALS

Year Ending September 30, 1945

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					
10- 4	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-18	do	—	—	—	.0
6- 5	do	—	—	—	.0
6-28	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0
AIRDALE CANAL NO. 1—A-698, A-1380					
Diverted from Pumpkinseed Creek—Sec. 2-19-55 W.					
Measurements Made at 5.5-foot Weir					
6- 4	C. E. Franklin	—	—	—	0.0
AIRDALE CANAL NO. 2—A-699, A-1133					
Diverted from Pumpkinseed Creek—Sec. 1-19-55 W.					
Measurements Made at Headgate					
6- 4	C. E. Franklin	—	—	—	0.0
AIRDALE CANAL NO. 3—A-1508					
Diverted from Pumpkinseed Creek—Sec. 2-19-55 W.					
Measurements Made at Headgate					
6- 4	C. E. Franklin	—	—	—	0.0
ANDERSON CANAL—D-373					
Diverted from Lodgepole Creek—Sec. 8-14-51 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	0.4	0.50	—	0.2
10-23	do	—	—	—	.3
11- 9	do	—	—	—	.3
5-18	do	—	—	—	.0
6- 5	do	—	—	—	.0
6-28	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
ANDREWS SUPPLY CANAL—A-2530					
Diverted from Sow Belly Creek—Sec. 5-32-55 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	—	—	—	0.0
10-31	do	—	—	—	.0
5-28	do	—	—	—	.0
7-10	do	—	—	—	.0
7-26	do	—	—	—	.0
8-18	do	—	—	—	.0
9-13	do	—	—	—	.0
ANDREWS CANAL—A-2558					
Diverted from Andrews Reservoir—Sec. 5-32-55 W.					
Measurements Made at Headgate					
5-28	C. E. Franklin	—	—	—	0.0
7-26	do	—	—	—	.0
ASH CREEK, WEST, CANAL—A-434, D-452					
Diverted from West Ash Creek—Sec. 36-32-51 W.					
Measurements Made at Headgate					
10-17	C. E. Franklin	—	—	—	0.0
10-17	do	—	—	—	.0
11- 3	do	—	—	—	.0
11-16	do	—	—	—	.0
ATKINS-POLLY CANAL—D-342, D-344					
Diverted from Lodgepole Creek—Sec. 30-15-55 W.					
Measurements Made at Rating Flume					
10- 2	C. E. Franklin	1.5	1.13	0.32	1.7
10-22	do	—	—	—	.0
11- 8	do	—	—	—	.1
5-19	Franklin-Hanna	—	—	—	.0
6- 9	do	—	—	—	.0
6-29	do	—	—	—	.0
7-18	do	—	—	—	.0
8- 3	do	—	—	—	.0
8-29	do	—	—	—	.0
9-30	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BAR 99 CANAL—A-2898					
Diverted from Bear Creek—Sec. 16-34-37 W.					
Measurements Made at Headgate					
10-14	C. E. Franklin	—	—	—	0.0
10-28	do	—	—	—	.0
11-15	do	—	—	—	.0
5- 8	do	—	—	—	.0
5-22	do	—	—	—	.0
6-12	do	—	—	—	.0
7- 4	do	—	—	—	.0
7-20	do	—	—	—	.0
9- 5	do	—	—	—	.0
BAR 99 CANAL, NORTH—A-3321					
Diverted from Bear Creek—Sec. 16-34-37 W.					
Measurements Made at Headgate					
10-14	C. E. Franklin	—	—	—	0.0
10-28	do	—	—	—	.0
11-15	do	—	—	—	.0
5- 8	do	—	—	—	.0
5-22	do	—	—	—	.0
6-12	do	—	—	—	.0
7- 4	do	—	—	—	.0
7-20	do	—	—	—	.0
9- 5	do	—	—	—	.0
BAR 99 CANAL, SOUTH—A-3321					
Diverted from Bear Creek—Sec. 16-34-37 W.					
Measurements Made at Headgate					
10-14	C. E. Franklin	—	—	—	0.0
10-28	do	—	—	—	.0
11-15	do	—	—	—	.0
5- 8	do	—	—	—	.0
5-22	do	—	—	—	.0
6-12	do	—	—	—	.0
7- 4	do	—	—	—	.0
7-20	do	—	—	—	.0
9- 5	do	—	—	—	.0
BARBER CANAL—D-754, A-1111					
Diverted from Clear Creek—Sec. 29-16-41 W.					
Measurements Made at Headgate					
3-28	J. P. Hansen	1.2	0.83	0.40	1.0
5-17	do	—	—	—	.0
5-30	do	1.5	1.14	.60	1.7
6-22	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

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					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 7	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

BARRON CANAL, EAST—A-2024					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements Made near Headgate					
10-17	C. E. Franklin	—	—	—	0.0
11- 3	do	—	—	—	.0
11-16	do	—	—	—	.0
5-31	do	—	—	—	.0
6-19	do	1.8	1.11	—	2.0
7-24	do	.9	.89	—	.8
8- 8	do	1.0	.67	—	.7
9-10	do	—	—	—	.0

BARRON CANAL, WEST—D-438R					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements Made near Headgate					
10-17	C. E. Franklin	—	—	—	0.0
11- 3	do	—	—	—	.0
11-16	do	—	—	—	.0
5-31	do	—	—	—	.0
6- 1	do	1.4	2.01	—	2.8
7- 8	do	—	—	—	.0
7-24	do	—	—	—	.0
8- 8	do	—	—	—	.0
9-10	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BAUERSACHS CANAL—D-492					
Diverted from Hooker Creek—Sec. 7-31-51 W.					
Measurements Made at Headgate					
11-16	C. E. Franklin	—	—	—	0.0
6-19	do	—	—	—	.0
7- 9	do	—	—	—	.0
7-25	do	—	—	—	.0
9-11	do	—	—	—	.0
BEISER CANAL—A-1056					
Diverted from Niobrara River—Sec. 4-29-56 W.					
Measurements Made at Headgate					
7-12	C. E. Franklin	—	—	—	0.0
7-28	do	—	—	—	.0
8-20	do	—	—	—	.0
9-18	do	—	—	—	.0
BENNETT CANAL—A-1249					
Diverted from Niobrara River—Sec. 1-28-54 W.					
Measurements Made at Headgate					
10-21	C. E. Franklin	—	—	—	0.0
11- 5	do	—	—	—	.0
5-25	do	—	—	—	.0
7-11	do	—	—	—	.0
7-27	do	—	—	—	.0
8-20	do	—	—	—	.0
9-16	do	—	—	—	.0
BENNETT CANAL—A-691, A-1975					
Diverted from Lodgepole Creek and Bennett Reservoir—					
Sec. 22-15-55 W.					
Measurements Made at Headgate					
10- 2	C. E. Franklin	2.7	0.93	—	2.5
10-23	do	—	—	—	.0
11- 9	do	.9	.40	—	.4
5-19	Franklin-Hanna	—	—	—	.0
6- 8	C. E. Franklin	1.2	.22	—	.3
6-30	do	3.4	.38	1.20	1.3
7-18	do	4.2	.86	1.46	3.5
8- 3	Franklin-Hanna	3.4	.74	1.30	2.5
8-29	C. E. Franklin	5.3	.81	2.00	4.3
9-30	Franklin-Hanna	2.7	1.08	—	2.9

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
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BICKEL CANAL—D-347, A-719, A-724

Diverted from Lodgepole Creek—Sec. 30-15-55 W.

Measurements Made at Rating Flume

10- 2	C. E. Franklin	2.2	0.68	0.36	1.5
10-22	do	—	—	—	.0
11- 8	do	—	—	—	.2
5-19	Franklin-Hanna	—	—	—	.0
6- 9	do	—	—	—	.0
6-29	do	—	—	—	.0
7-18	do	1.8	.67	.34	1.2
8- 3	do	—	—	—	.0
8-29	do	3.0	.87	.71	2.6
9-30	do	2.2	1.05	.70	2.3

BIGELOW-SEYMOUR CANAL—D-510

Diverted from Niobrara River—Sec. 19-31-57 W.

Measurements Made at Headgate

5-26	C. E. Franklin	—	—	—	0.0
7-12	do	—	—	—	.0
7-28	do	—	—	—	.0
8-20	do	—	—	—	.0
9-18	do	—	—	—	.0

BLUHM CANAL—A-1811

Diverted from Lodgepole Creek—Sec. 36-14-48 W.

Measurements Made at Headgate

10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 8	do	—	—	—	.0
6-28	do	—	—	—	.0
7-13	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BOOTH CANAL, NORTH—D-309, D-310					
Diverted from Lodgepole Creek—Sec. 29-14-47 W.					
Measurements Made at Rating Flume					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 8	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

BOOTH CANAL, SOUTH—D-309, D-310					
Diverted from Lodgepole Creek—Sec. 29-14-47 W.					
Measurements Made at Rating Flume					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 8	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	3.4	0.71	—	2.4
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

BORDWELL CANAL—D-302					
Diverted from Lodgepole Creek—Sec. 35-14-49 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 8	do	—	—	—	.0
6-28	do	—	—	—	.0
7-13	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BORDWELL CANAL—D-303					
Diverted from Lodgepole Creek—Sec. 35-14-49 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	----	----	----	0.0
10-23	do	----	----	----	.0
11- 9	do	----	----	----	.0
5-17	do	----	----	----	.0
6- 8	do	----	----	----	.0
6-28	do	----	----	----	.0
7-13	do	----	----	----	.0
8-27	do	----	----	----	.0
9-27	do	----	----	----	.0

BORQUIST CANAL, SOUTH—D-300					
Diverted from Lodgepole Creek—Sec. 34-14-49 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	----	----	----	0.0
10-23	do	----	----	----	.0
11- 9	do	----	----	----	.0
5-17	do	----	----	----	.0
6- 8	do	----	----	----	.0
6-28	do	----	----	----	.0
7-13	do	----	----	----	.0
7-30	do	----	----	----	.0
7-30	do	----	----	----	.0
8-27	do	----	----	----	.0
9-27	do	----	----	----	.0

BORQUIST CANAL, NORTH—D-301					
Diverted from Lodgepole Creek—Sec. 34-14-49 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	----	----	----	0.0
10-25	do	----	----	----	.0
11- 9	do	----	----	----	.0
5-17	do	----	----	----	.0
6- 8	do	----	----	----	.0
6-28	do	----	----	----	.0
7-13	do	----	----	----	.0
7-30	do	----	----	----	.0
7-30	do	----	----	----	.0
8-27	do	----	----	----	.0
9-27	do	----	----	----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

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					
11- 9	C. E. Franklin	—	—	—	0.0
5-18	do	—	—	—	.0
6-23	do	—	—	—	.0
BULLOCK CANAL—D-296					
Diverted from Lodgepole Creek—Sec. 3-13-46 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	2.5	0.48	—	1.2
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 7	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-31	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0
BULLOCK CANAL, NORTH—A-437					
Diverted from Lodgepole Creek—Sec. 4-13-46 W.					
Measurements Made below Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	0.4	0.32	—	.1
6- 7	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0
BULLOCK CANAL, SOUTH—A-437					
Diverted from Lodgepole Creek—Sec. 4-13-46 W.					
Measurements Made below Headgate					
5-17	C. E. Franklin	3.2	0.47	—	1.5

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

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- 3	C. E. Franklin	10.9	0.40	-----	4.4
10-23	do	8.8	.47	-----	4.1
11- 8	do	7.5	.25	-----	1.9
5-19	Franklin-Hanna	-----	-----	-----	.0
6- 9	do	-----	-----	-----	.0
6-29	do	-----	-----	-----	.0
7-18	do	5.2	.58	-----	3.0
8- 2	do	6.0	.65	-----	3.9
8-28	do	-----	-----	-----	.0
9-29	do	-----	-----	-----	.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

10-31	C. E. Franklin	-----	-----	-----	0.0
5-26	do	-----	-----	-----	.0
7-10	do	-----	-----	-----	.0
7-26	do	-----	-----	-----	.0
9-12	do	-----	-----	-----	.0

CARTWRIGHT PUMP—A-3117

Diverted from Ash Creek—Sec. 7-32-50 W.

Measurements Made at Pump Site

10-17	C. E. Franklin	-----	-----	-----	0.0
11- 3	do	-----	-----	-----	.0
11-16	do	-----	-----	-----	.0
6- 1	do	-----	-----	-----	.0
6-19	do	-----	-----	-----	.0
7- 8	do	-----	-----	-----	.0
7-24	do	-----	-----	-----	.0
8- 8	do	-----	-----	-----	.0
9-10	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

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- 4	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-18	do	—	—	—	.0
6- 5	do	—	—	—	.0
6-28	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0
CHRISTENSEN CANAL, SOUTH—D-366					
Diverted from Lodgepole Creek—Sec. 7-14-51 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-18	do	—	—	—	.0
6- 5	do	—	—	—	.0
6-28	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0
CIRCLE ARROW CANAL—D-346					
Diverted from Lodgepole Creek—Sec. 30-15-54 W.					
Measurements Made at Headgate					
11- 9	C. E. Franklin	3.3	1.94	—	6.4
5-19	do	—	—	—	.0
6- 8	do	—	—	—	.0
6- 9	Franklin-Hanna	—	—	—	.0
6-30	C. E. Franklin	—	—	—	.0
7-18	do	—	—	—	.0
8- 3	Franklin-Hanna	—	—	—	.0
8-29	do	—	—	—	.0
9-30	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
COFFEE CANAL, EAST—D-512					
Diverted from Hat Creek—Sec. 26-33-55 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	-----	-----	-----	0.0
10-31	do	1.5	0.87	-----	1.3
11-17	do	2.0	.95	-----	1.9
5-12	do	1.6	.62	-----	1.0
5-28	do	1.5	.40	-----	.6
7-10	do	-----	-----	-----	.0
7-26	do	-----	-----	-----	.0
8-18	do	-----	-----	-----	.0
9-13	do	-----	-----	-----	.0

COFFEE CANAL, WEST—D-512					
Diverted from Hat Creek—Sec. 26-33-55 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
11-17	do	-----	-----	-----	.0
5-12	do	-----	-----	-----	.0
5-28	do	-----	-----	-----	.0
7-10	do	-----	-----	-----	.0
7-26	do	-----	-----	-----	.0
8-18	do	-----	-----	-----	.0
9-13	do	-----	-----	-----	.0

COFFEE AND SON FLOOD CANAL—A-1236					
Diverted from Hat Creek—Sec. 14-33-55 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
11-17	do	-----	-----	-----	.0
5-28	do	-----	-----	-----	.0
7-26	do	-----	-----	-----	.0
8-18	do	-----	-----	-----	.0
9-13	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
COLE PROJECT DAM NO. 1—A-2254					
Diverted from Bear Creek—Sec. 14-34-37 W.					
Measurements Made at Headgate					
10-14	C. E. Franklin	—	—	—	0.0
10-28	do	—	—	—	.0
11-15	do	—	—	—	.0
5- 8	do	—	—	—	.0
5-22	do	2.2	1.45	—	3.2
6-12	do	—	—	—	.0
7- 4	do	—	—	—	0
7-20	do	—	—	—	.0
9- 5	do	—	—	—	.0
COOK CANALS, NO. 1 AND NO. 2—D-980					
Diverted from Niobrara River—Sec. 1-28-56 W.					
Measurements Made at Headgate					
5-25	C. E. Franklin	2.8	1.50	—	4.2
7-11	do	2.1	.62	0.86	1.3
7-28	do	1.8	.94	—	1.7
8-20	do	2.6	1.00	.95	2.6
9-18	do	1.5	1.06	—	1.6
COOPER CANAL, EAST—A-42					
Diverted from White Clay Creek—Sec. 2-31-52 W.					
Measurements Made at Headgate					
10-20	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
11-16	do	—	—	—	.0
5-12	do	—	—	—	.0
5-30	do	—	—	—	.0
6-18	do	—	—	—	.0
7- 9	do	—	—	—	.0
7-25	do	—	—	—	.0
9-11	do	—	—	—	.0
COOPER CANAL, WEST—A-42					
Diverted from White Clay Creek—Sec. 2-31-52 W.					
Measurements Made at Headgate					
10-20	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
11-16	do	—	—	—	.0
5-12	do	—	—	—	.0
5-30	do	0.6	1.00	—	.6
6-18	do	1.7	.82	—	1.4
7- 9	do	2.1	.76	—	1.6
7-25	do	1.6	.37	—	.6
9-11	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
CRIGLER CANAL—D-861, A-486					
Diverted from Lawrence Fork—Sec. 1-18-52 W.					
Measurements Made at Headgate					
5-26	J. P. Hansen	2.6	1.51	—	4.0
7-25	E. S. Kimmel	1.4	.86	—	1.2
7-31	do	1.2	.92	0.81	1.1
CRIPPS PUMP—A-2571					
Diverted from Cripps Reservoir—A-2481—Sec. 12-32-51 W.					
Measurements Made at Pump Site					
10-17	C. E. Franklin	—	—	—	0.0
11- 3	do	—	—	—	.0
11-16	do	—	—	—	.0
6- 1	do	—	—	—	.0
6-19	do	—	—	—	.0
7- 8	do	—	—	—	.0
7-24	do	—	—	—	.0
8- 8	do	—	—	—	.0
9-10	do	—	—	—	.0
DICKINSON CANAL—D-967					
Diverted from Lodgepole Creek—Sec. 33-14-47 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 8	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	10.2	0.68	—	5.9
7-30	do	6.6	.45	—	3.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0
DICKINSON CANAL—D-969					
Diverted from Lodgepole Creek—Sec. 26-14-47 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 8	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
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DODD-McDOWELL CANAL—A-1571

Diverted from Dodd-McDowell Reservoir—Sec. 17-32-53 W.

Measurements Made at Headgate

5-31	C. E. Franklin	—	—	—	0.0
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DODD-McDOWELL CANAL—A-1276

Diverted from Little Cottonwood Creek—Sec. 12-32-53 W.

Measurements Made near Headgate

10-20	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
5-31	do	—	—	—	.0
6-19	do	—	—	—	.0
7- 9	do	—	—	—	.0
7-24	do	—	—	—	.0
8- 8	do	—	—	—	.0
9-11	do	—	—	—	.0

DOUT BROTHERS CANAL—D-981

Diverted from Jim Creek—Sec. 7-33-56 W.

Measurements Made below Headgate

10-19	C. E. Franklin	—	—	—	0.0
10-31	do	—	—	—	.0
5-26	J. J. Rasmussen	—	—	0.20	.3
5-26	C. E. Franklin	0.8	0.50	—	.4
7-10	do	.3	.67	—	.2
7-26	do	—	—	—	.0
8-18	do	—	—	—	.0
9-12	do	—	—	—	.1

DOUT CANAL NO. 1—A-2000

Diverted from Dout Reservoir No. 1—A-1999—Sec. 7-33-56 W.

Measurements Made at Headgate

10-19	C. E. Franklin	—	—	—	0.0
10-31	do	—	—	—	.0
5-24	J. J. Rasmussen	—	—	0.23	.4
5-26	C. E. Franklin	1.0	0.80	—	.8
7-10	do	—	—	—	.0
7-26	do	1.0	.33	—	.3
8-18	do	—	—	—	.0
9-12	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
DOUT BROTHERS CANAL NO. 2—A-2002					
Diverted from Dout Reservoir No. 2—A-2001—Sec. 7-33-56 W. Measurements Made at Headgate					
10-19	C. E. Franklin	—	—	—	0.0
10-31	do	—	—	—	.0
5- 4	J. J. Rasmussen	—	—	0.25	.4
5-24	do	—	—	—	.0
5-26	C. E. Franklin	—	—	—	.0
7-10	do	—	—	—	.0
8-18	do	—	—	—	.0
9-12	do	—	—	—	.0

DUNN CANAL—A-649					
Diverted from Little Cottonwood Creek—Sec. 9-32-52 W. Measurements Made near Headgate					
10-20	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
11-17	do	—	—	—	.0
5-31	do	—	—	—	.0
6-19	do	—	—	—	.0
7- 9	do	—	—	—	.0
7-24	do	—	—	—	.0
8- 8	do	—	—	—	.0
9-11	do	—	—	—	.0

EARNEST CANAL NO. 1—D-514a					
Diverted from Niobrara River—Sec.9-29-56 W. Measurements Made near Headgate					
5-25	C. E. Franklin	3.7	0.54	—	2.0
7-12	do	1.4	.79	—	1.1
7-28	do	—	—	—	.1
8-20	do	5.0	.76	—	3.3
9-18	do	6.4	.92	—	5.9

EARNEST CANAL NO. 2 —D-514b					
Diverted from Niobrara River—Sec.9-29-56 W. Measurements Made at Headgate					
5-25	C. E. Franklin	3.0	1.37	—	4.1
7-12	do	9.1	.91	—	8.3
7-28	do	4.0	.88	—	3.5
8-20	do	—	—	—	.0
9-18	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
ELMER CANAL—A-1704					
Diverted from Indian Creek—Sec. 16-32-50 W.					
Measurements Made at Headgate					
9-10	C. E. Franklin	—	—	—	0.0
EXCELSIOR CANAL—D-568, A-2264					
Diverted from Niobrara River—Sec. 10-28-52 W.					
Measurements Made at Headgate					
10-21	C. E. Franklin	—	—	—	0.0
11- 5	do	—	—	—	.0
5-25	do	5.4	0.26	—	1.4
7-11	do	7.6	.20	—	1.5
7-27	do	8.4	.36	—	3.0
9-16	do	8.3	.24	—	2.0
FURMAN CANAL, NORTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W.					
Measurements Made at Headgate					
10-21	C. E. Franklin	6.6	0.76	—	5.0
11- 5	do	3.2	.53	—	1.7
5-25	do	—	—	—	.0
7- 7	do	6.1	.56	—	3.4
7-27	do	—	—	—	.0
9-16	do	—	—	—	.0
FURMAN CANAL, SOUTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W.					
Measurements Made at Headgate					
10-21	C. E. Franklin	5.8	1.19	—	6.9
11- 5	do	5.9	1.17	—	6.9
5-25	do	—	—	—	.0
7- 7	do	6.2	.77	—	4.8
7-27	do	—	—	—	.0
9-16	do	—	—	—	.0
GALLUP CANAL—D-426					
Diverted from Chadron Creek—Sec. 15-33-49 W.					
Measurements Made at Headgate					
10-11	C. E. Franklin	—	—	—	0.0
11- 3	do	—	—	—	.0
11-16	do	—	—	—	.0
7-23	do	—	—	—	.0
8- 7	do	—	—	—	.0
9-10	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
GUNDERSON CANAL—D-305					
Diverted from Lodgepole Creek—Sec. 1-14-52 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-18	do	5.6	0.50	—	2.8
6- 5	do	—	—	—	.0
6-28	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0
HALL CANAL—D-478c					
Diverted from White River—Sec. 34-32-52 W.					
Measurements Made at Headgate					
10-20	C. E. Franklin	—	—	—	0.0
10-30	do	5.6	1.25	—	7.0
11-16	do	—	—	—	.0
5-12	do	—	—	—	.0
5-30	do	.9	.44	—	.4
6-18	do	—	—	—	.0
7- 9	do	5.4	.65	—	3.5
7-25	do	—	—	—	.0
8- 8	do	—	—	—	.0
9-11	do	—	—	—	.0
HANNAH CANAL—D-886					
Diverted from North Platte River—Sec.24-18-47 W.					
Measurements Made at Headgate					
10-30	J. P. Hansen	—	—	—	0.0
HARRIS-NEECE CANAL—D-517, A-2275					
Diverted from Niobrara River—Sec. 3-28-55 W.					
Measurements Made at Headgate					
10-21	C. E. Franklin	5.4	0.76	—	4.1
11- 5	do	6.2	1.13	—	7.0
5-25	do	—	—	—	.0
7-11	do	12.8	.39	1.72	5.0
7-27	do	—	—	—	.0
8-20	do	9.3	1.30	1.46	12.1
9-18	do	9.6	1.48	1.40	14.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HARRY CANAL—A-2179					
Diverted from Norman Reservoir—Sec. 8-32-50 W.					
Measurements Made at Headgate					
5-31	C. E. Franklin	—	—	—	0.0
6- 1	do	—	—	—	.0
6-19	do	—	—	—	.0
9-10	do	—	—	—	.2
HARTZELL CANAL—D-448					
Diverted from Little Bordeaux Creek—Sec. 13-33-48 W.					
Measurements Made at Headgate					
10-12	C. E. Franklin	—	—	—	0.0
10-27	do	—	—	—	.0
11-13	do	—	—	—	.0
5-21	do	—	—	—	.0
6-11	do	—	—	—	.0
7- 4	do	—	—	—	.0
7-23	do	—	—	—	.0
8- 7	do	—	—	—	.0
8-16	do	—	—	—	.0
9- 4	do	—	—	—	.0
HIGH LINE CANAL—A-1682					
Diverted from Jim Creek—Sec. 13-33-57 W.					
Measurements Made at Headgate					
5-26	C. E. Franklin	—	—	—	0.0
7-10	do	—	—	—	.0
7-26	do	—	—	—	.0
8-18	do	—	—	—	.0
9-12	do	—	—	—	.0
HITSHEW CANAL—A-2509, A-1260					
Diverted from Niobrara River—Sec. 6-28-52 W.					
Measurements Made at Headgate					
10-21	C. E. Franklin	—	—	—	0.0
11- 5	do	—	—	—	.0
5-25	do	4.1	0.95	—	3.9
7-11	do	—	—	—	.0
7-27	do	—	—	—	.1
9-16	do	—	—	—	.0
HOLLINGSWORTH CANAL—D-723					
Diverted from South Platte River—Sec. 7-13-38 W.					
Measurements Made at Rating Station					
10-24	A. C. Hilpert	0.8	0.88	0.20	0.7
6- 8	Mount-Kimmel	5.4	.96	1.23	5.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HOLLY CANAL—D-956					
Diverted from Boggy Creek—Sec. 30-33-54					
7-26	C. E. Franklin	—	—	—	0.0
HOOVER CANAL—D-353					
Diverted from Lodgepole Creek—Sec. 12-14-59 W.					
Measurements Made at Headgate					
10- 3	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 8	do	—	—	—	.0
5-19	Franklin-Hanna	—	—	—	.0
6- 9	do	4.8	0.69	—	3.3
6-29	do	4.0	.98	—	3.9
7-17	do	3.1	1.00	—	3.1
8- 2	do	4.8	.58	—	2.8
8-28	do	—	—	—	.0
9-29	do	—	—	—	.0
HOWARD CANAL—D-336, A-1645					
Diverted from Lodgepole Creek—Sec. 31-14-47 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 8	do	—	—	—	.0
6-27	do	—	—	—	.0
7-13	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0
HUGHES CANAL—D-987a, D-987b					
Diverted from Niobrara River—Sec. 1-28-52 W.					
Measurements Made at Headgate					
10-21	C. E. Franklin	—	—	—	0.0
11- 5	do	—	—	—	.0
5-25	do	—	—	—	.0
7-11	do	—	—	—	.0
7-27	do	—	—	—	.0
9-16	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HURLEY-LILLY-POLLY CANAL—D-354					
Diverted from Lodgepole Creek—Sec. 26-15-56 W.					
Measurements Made at Rating Flume					
10- 3	C. E. Franklin	2.7	0.89	0.52	2.4
10-22	do	—	—	—	.0
11- 8	do	—	—	—	.0
5-19	Franklin-Hanna	—	—	—	.0
6- 9	do	—	—	—	.0
6-29	do	—	—	—	.0
7-18	do	1.9	1.05	.28	2.0
8- 3	do	—	—	—	.0
8-29	do	3.1	1.35	.54	4.2
9-30	do	2.9	1.04	.40	3.9

INDEPENDENT CANAL—D-343					
Diverted from Lodgepole Creek—Sec. 7-14-58 W.					
Measurements Made at Headgate					
10- 3	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 8	do	—	—	—	.0
5-19	Franklin-Hanna	—	—	—	.0
6- 9	do	4.9	0.92	—	4.5
6-29	do	3.7	.35	—	1.3
7-17	do	3.1	.32	—	1.0
8- 2	C. E. Franklin	4.8	.48	—	2.3
8-28	Franklin-Hanna	—	—	—	.0
9-29	C. E. Franklin	—	—	—	.0

JIM CREEK CANAL—D-502					
Diverted from Jim Creek—Sec. 8-33-56 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	—	—	—	0.0
10-31	do	—	—	—	.0
5-28	do	—	—	—	.0

JOHNSON CANAL—D-511					
Diverted from Niobrara River—Sec. 36-31-57 W.					
Measurements Made at Headgate					
5-26	C. E. Franklin	—	—	—	0.0
7-12	do	—	—	—	.0
7-28	do	—	—	—	.0
8-20	do	6.6	1.27	—	8.4
9-13	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

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					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-16	do	—	—	—	.0
6- 7	do	—	—	—	.0
6-25	do	—	—	—	.0
7-14	do	—	—	—	.0
7-31	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

JONES CANAL—A-3392					
Diverted from Lodgepole Creek—Sec. 36-14-49 W.					
Measurements Made below Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 8	do	—	—	—	.0
6-28	do	—	—	—	.0
7-13	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

JORDAN CANAL—A-2032					
Diverted from Monroe Creek—Sec. 22-33-56 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	—	—	—	0.0
10-31	do	—	—	—	.0
11-17	do	—	—	—	.0
3-24	do	1.2	1.33	—	1.6
5-28	do	—	—	—	.0
7-10	do	—	—	—	.0
8-18	do	—	—	—	.0
9-12	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

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					
10-19	C. E. Franklin	—	—	—	0.0
10-31	do	—	—	—	.0
11-17	do	—	—	—	.0
5-28	do	—	—	—	.0
7-10	do	—	—	—	.0
7-26	do	—	—	—	.0
8-18	do	—	—	—	.0
9-12	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					
10-12	C. E. Franklin	—	—	—	0.0
10-27	do	—	—	—	.0
11-13	do	—	—	—	.0
5-21	do	—	—	—	.0
6-11	do	—	—	—	.0
7- 3	do	—	—	—	.0
7-19	do	—	—	—	.0
8- 7	do	—	—	—	.0
8-16	do	—	—	—	.0
9- 4	do	1.3	1.15	—	1.5

KINNEY CANAL, SOUTH, NO. 1—D-345, D-350, A-718R, A-1828					
Diverted from Lodgepole Creek—Sec. 31-15-56 W.					
Measurements Made at Headgate					
10- 3	C. E. Franklin	2.4	1.04	1.00	2.5
10-22	do	3.2	.69	—	2.2
11- 8	do	3.7	.70	—	2.6
5-19	Franklin-Hanna	—	—	.05	.1
6- 9	C. E. Franklin	—	—	—	.2
6-29	do	1.4	1.36	.42	1.9
7-18	do	3.0	.73	.78	2.2
8- 3	do	—	—	.88	.0
8-29	do	3.6	1.11	1.26	4.0
9-29	do	4.4	.68	1.15	3.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KINNEY CANAL, NORTH, NO. 2—D-348, A-718					
Diverted from Lodgepole Creek—Sec. 33-15-56 W.					
Measurements Made at Headgate					
10- 3	C. E. Franklin	1.7	0.88	—	1.5
10-22	do	.6	.67	—	.4
11- 8	do	—	—	—	.0
5-19	Franklin-Hanna	—	—	—	.0
6- 9	do	—	—	—	.0
6-29	do	.8	.88	0.50	.7
7-18	do	—	—	—	.0
8- 3	do	3.0	.47	.88	1.4
8-29	do	—	—	—	.0
9-29	do	—	—	—	.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

10-19	C. E. Franklin	—	—	—	0.0
10-31	do	—	—	—	.0
11-17	do	—	—	—	.0
5-24	J. J. Rasmussen	—	—	0.31	.6
5-28	C. E. Franklin	0.8	1.00	—	.8
7-10	do	—	—	—	.0
7-26	do	—	—	—	.0
8-18	do	—	—	—	.0
9-12	do	—	—	—	.0

KRUEGER CANAL NO. 1—D-325, D-968
Diverted from Lodgepole Creek—Sec. 29-14-48 W.
Measurements Made at Headgate

10- 4	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-17	do	3.5	0.86	—	3.0
6- 8	do	3.5	1.23	—	4.3
6-28	do	—	—	—	5.2
7-13	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KRUEGER CANAL NO. 2—D-324					
Diverted from Lodgepole Creek—Sec. 32-14-48 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 8	do	3.4	0.82	—	2.8
6-28	do	3.9	1.18	—	4.6
7-13	do	3.0	.70	—	2.1
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

KRUEGER CANAL NO. 3—D-323					
Diverted from Lodgepole Creek—Sec. 32-14-48 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-17	do	0.4	0.75	—	.3
6- 8	do	3.6	1.97	—	7.1
6-28	do	—	—	—	.0
7-13	do	—	—	—	2.4
7-13	do	1.8	2.83	—	5.1
8-27	do	—	—	—	.0
9-27	do	5.5	.82	—	4.5

LaBELLE CANAL—D-518, A-60					
Diverted from Niobrara River—Sec. 6-28-54 W.					
Measurements Made at Headgate					
10-21	C. E. Franklin	—	—	—	0.0
11- 5	do	—	—	—	.0
5-25	do	8.6	0.86	—	7.4
7-11	do	4.8	.58	—	2.8
7-27	do	—	—	—	.0
8-20	do	—	—	—	.0
9-18	do	—	—	—	.0

LAING CANAL—D-825					
Diverted from Lawrence Fork—Sec. 28-18-52 W.					
Measurements Made at Headgate					
5-26	J. P. Hansen	1.5	0.87	—	1.3
7-25	E. S. Kimmel	1.4	1.14	—	1.6
7-31	do	1.1	1.09	0.80	1.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

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					
5-26	C. E. Franklin	7.0	1.10	—	7.7
7-12	do	14.4	.67	—	9.7
7-28	do	10.8	.23	—	2.5
8-20	do	6.1	.97	—	.0
9-18	do	9.2	.64	—	5.9
LIBBY CANAL—D-312, NORTH					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 7	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0
LIBBY CANAL—D-312, SOUTH					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
5-17	C. E. Franklin	—	—	—	0.0
LIBBY CANAL—D-314					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
5-17	C. E. Franklin	—	—	—	0.0
6- 7	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
LIBBY CANAL—D-315					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
5-17	C. E. Franklin	—	—	—	0.0
6- 7	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	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- 7	C. E. Franklin	—	—	—	0.0
10-27	do	—	—	—	.0
11-13	do	—	—	—	.0
5-21	do	—	—	—	.0
6-11	do	—	—	—	.0
7- 3	do	11.3	1.11	—	12.5
7-19	do	5.2	.63	—	3.3
8- 6	do	—	—	—	.0
8-17	do	—	—	—	.0
8-31	do	6.6	1.01	—	6.7
9-22	do	7.4	1.00	—	7.4
LOGAN CANAL—D-902					
Diverted from Pumpkinseed Creek—Sec. 7-19-55 W.					
Measurements Made at Headgate					
6- 4	C. E. Franklin	—	—	—	1.1
7- 3	J. P. Hansen	—	—	—	.0
9-27	C. E. Franklin	—	—	—	.7
LOGAN CANAL—D-821					
Diverted from North Platte River—Sec. 24-20-51 W.					
Measurements Made at Headgate					
7-17	E. S. Kimmel	5.0	1.14	1.32	5.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
LYNGHOLM CANAL—D-337					
Diverted from Lodgepole Creek—Sec. 14-14-51 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	1.2	0.92	----	1.1
10-23	do	----	-----	-----	.0
11- 9	do	----	-----	-----	.0
5-18	do	----	-----	-----	.0
6- 5	do	----	-----	-----	.0
6-28	do	----	-----	-----	.0
7-16	do	----	-----	-----	.0
7-30	do	----	-----	-----	.0
8-27	do	----	-----	-----	.0
9-27	do	----	-----	-----	.0
McAULIFFE CANAL—D-814					
Diverted from Lodgepole Creek—Sec. 21-13-45 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	----	-----	-----	0.0
10-25	do	----	-----	-----	.0
11-10	do	----	-----	-----	.0
5-16	do	----	-----	-----	.0
6- 7	do	----	-----	-----	.0
6-25	do	----	-----	-----	.0
7-16	do	----	-----	-----	.0
7-30	do	----	-----	-----	.0
8-27	do	----	-----	-----	.0
9-27	do	----	-----	-----	.0
McAULIFFE CANAL—A-1559					
Diverted from Lodgepole Creek—Sec. 21-31-45 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	----	-----	-----	0.0
10-25	do	----	-----	-----	.0
11-10	do	----	-----	-----	.0
5-16	do	----	-----	-----	.0
6- 7	do	----	-----	-----	.0
6-25	do	----	-----	-----	.0
7-16	do	----	-----	-----	.0
7-30	do	----	-----	-----	.0
8-27	do	----	-----	-----	.0
9-27	do	----	-----	-----	.0
McCARTHY CANAL—D-749					
Diverted from White Tail Creek—Sec. 36-15-38 W.					
Measurements Made at Headgate					
10-17	A. C. Hilpert	----	-----	-----	0.1

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
McDOWELL CANAL, EAST—A-772					
Diverted from English Creek—Sec. 12-31-52 W.					
Measurements Made at Headgate					
10-30	C. E. Franklin	—	—	—	0.0
11-16	do	—	—	—	.0
McDOWELL CANAL, WEST—A-772					
Diverted from English Creek—Sec. 12-31-52 W.					
Measurements Made at Headgate					
10-30	C. E. Franklin	—	—	—	0.0
11-16	do	—	—	—	.0
5-30	do	—	—	—	.0
McFARLAND CANAL—D-960					
Diverted from White Clay Creek—Sec. 35-32-52 W.					
Measurements Made at 2-foot Weir					
10-20	C. E. Franklin	1.5	0.67	—	1.0
11-16	do	1.1	1.00	—	1.1
5-12	do	—	—	—	.0
5-30	do	—	—	—	.0
6-19	do	.2	1.10	—	2.2
7- 9	do	.8	1.25	—	1.0
7-25	do	.7	1.85	—	1.3
McGINLEY-STOVER CANAL, UPPER—D-521					
Diverted from Niobrara River—Sec. 25-29-56 W.					
Measurements Made at Headgate					
5-25	C. E. Franklin	—	—	—	0.0
7-11	do	—	—	—	.0
7-28	do	—	—	—	.0
8-20	do	—	—	—	.0
9-18	do	—	—	—	.0
McGINLEY-STOVER CANAL, NORTH—D-513a					
Diverted from Niobrara River—Sec. 25-29-56 W.					
Measurements Made at Headgate					
5-25	C. E. Franklin	—	—	—	0.0
7-11	do	12.0	0.62	—	7.5
7-28	do	10.6	.39	—	4.1
8-20	do	8.4	.62	—	5.2
9-18	do	11.8	.14	—	1.6

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
McGINLEY-STOVER CANAL, SOUTH—D-513b					
Diverted from Niobrara River—Sec. 25-20-56 W.					
Measurements Made at Headgate					
5-25	C. E. Franklin	—	—	—	0.0
7-11	do	—	—	—	.0
7-28	do	—	—	—	.0
8-20	do	—	—	—	.0
9-18	do	3.2	1.31	—	4.2
McINTOSH CANAL—D-351, A-734					
Diverted from Lodgepole Creek—Sec. 23-15-55 W.					
Measurements Made at Headgate					
10- 2	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-19	Franklin-Hanna	—	—	—	.0
6- 9	do	4.1	1.02	1.55	4.2
7-18	C. E. Franklin	—	—	—	.0
8- 3	Franklin-Hanna	—	—	—	.0
8-29	do	2.7	.92	1.10	2.5
9-30	do	4.3	1.16	1.28	5.0
McLAUGHLIN CANAL—D-566					
Diverted from Niobrara River—Sec. 9-28-52 W.					
Measurements Made at Headgate					
10-21	C. E. Franklin	4.5	0.76	—	3.4
11- 5	do	5.2	.79	—	4.1
5-25	do	—	—	—	.0
7-11	do	5.8	.43	—	2.5
7-27	do	5.2	.88	—	4.6
9-16	do	5.2	.65	—	3.4
McLAUGHLIN CANAL—D-966					
Diverted from Lodgepole Creek—Sec. 25-14-48 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 8	do	—	—	—	.0
6-28	do	—	—	—	.0
7-13	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	1.5	1.00	—	1.5
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

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					
10-12	C. E. Franklin	—	—	—	0.0
10-27	do	—	—	—	.0
11-13	do	—	—	—	.0
7-23	do	—	—	—	.0
8- 7	do	—	—	—	.0
8-16	do	—	—	—	.0
9- 4	do	—	—	—	.0
MERIDIAN CANAL—D-459, A-469					
Diverted from Niobrara River—Sec. 25-29-50 W.					
Measurements Made at Headgate					
10- 7	C. E. Franklin	—	—	—	0.0
5-25	do	—	—	—	.0
7-27	do	—	—	—	.0
9-16	do	—	—	—	.0
METTLEN CANAL—A-292, A-1248, A-2244					
Diverted from Niobrara River—Sec. 4-28-54 W.					
Measurements Made at Headgate					
10-21	C. E. Franklin	—	—	—	0.3
11- 5	do	2.7	0.82	—	2.2
5-25	do	3.7	1.30	—	4.8
7-11	do	3.2	.62	0.42	2.0
7-27	do	—	—	—	.0
9-18	do	.8	1.00	—	.8
MONROE CANAL, BIG—D-506, A-2372					
Diverted from Monroe Creek—Sec. 33-33-56 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	1.2	0.92	—	1.1
10-31	do	1.0	1.00	—	1.0
11-17	do	1.2	1.17	—	1.4
1-28	do	2.0	1.20	—	2.4
3-24	do	.4	.75	—	.3
4-28	do	.7	.71	—	.5
5-12	do	1.2	1.08	—	1.2
5-26	do	1.4	1.14	—	1.6
6-17	Franklin-Rasmussen	1.6	1.25	—	2.0
6-21	C. E. Franklin	1.4	1.22	—	1.7
7-10	do	1.0	1.00	—	1.0
7-26	do	.8	1.00	—	.8
8-18	do	.4	.75	—	.3
9-12	do	.6	1.17	—	.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MONTAGUE CANAL—A-575					
Diverted from Niobrara River—Sec. 27-29-48 W.					
Measurements Made at Headgate					
10- 7	C. E. Franklin	—	—	—	0.0
10-27	do	—	—	—	.0
11-13	do	—	—	—	.0
5-21	do	—	—	—	.0
6-11	do	—	—	—	.0
7- 3	do	—	—	—	.0
7- 3	do	7.5	0.99	—	7.4
7-19	do	—	—	—	.0
8- 6	do	—	—	—	.0
8-17	do	—	—	—	.0
9-22	do	—	—	—	.0
MOORE CANAL—A-88					
Diverted from Niobrara River—Sec. 9-28-53 W.					
Measurements Made at Headgate					
10-21	C. E. Franklin	2.8	0.82	—	2.3
11- 5	do	—	—	—	.0
5-25	do	7.8	1.60	—	12.5
7-11	do	—	—	—	.0
7-27	do	—	—	—	.0
9-16	do	3.6	.72	—	2.6
MUTUAL CANAL—D-843					
Diverted from Pumpkinseed Creek—Sec. 33-19-52 W.					
Measurements Made at Rating Flume					
5-14	C. E. Franklin	—	—	—	0.0
7- 3	J. P. Hansen	—	—	—	.0
7-31	E. S. Kimmel	7.6	1.08	—	8.2
NASLAND CANAL—A-661					
Diverted from Lodgepole Creek—Sec. 1-12-45 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	0
11-10	do	—	—	—	.0
5-16	do	—	—	—	.0
6- 8	do	—	—	—	.0
6-25	do	—	—	—	.0
7-14	do	—	—	—	.0
7-31	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
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NEUMAN CANAL—A-611, A-1445

Diverted from Lodgepole Creek—Sec. 26-13-45 W.

Measurements Made at Headgate

10- 4	C. E. Franklin	3.2	1.12	—	3.6
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-16	do	—	—	—	.0
6- 7	do	—	—	—	.0
6-25	do	—	—	—	.0
7-14	do	—	—	—	.0
7-31	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	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- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-16	do	—	—	—	.0
6- 7	do	—	—	—	.0
6-25	do	—	—	—	.0
7-14	do	—	—	—	.0
7-31	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

NIEHUS CANAL—A-550

Diverted from Lawrence Fork—Sec. 11-18-52 W.

Measurements Made at Headgate

5-26	J. P. Hansen	—	—	—	0.0
7-25	E. S. Kimmel	1.7	0.59	—	1.0
7-31	do	.9	.90	0.52	.8
7-31	do	1.4	1.21	.65	1.7
7-31	do	.6	1.17	.42	.7
7-31	do	.7	1.00	.46	.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
NORMAN SUPPLY CANAL—A-1953					
Diverted from Indian Creek—Sec. 28-32-50 W.					
Measurements Made at Headgate					
10-17	C. E. Franklin	—	—	—	0.0
11- 3	do	—	—	—	.0
11-16	do	—	—	—	.0
5-31	do	—	—	—	.0
6-19	do	—	—	—	0
7- 8	do	1.5	1.07	—	1.6
7-24	do	—	—	—	.0
8- 8	do	—	—	—	.0
9-10	do	—	—	—	.0
NORMAN CANAL—A-1952					
Diverted from Indian Creek—Sec. 16-32-50 W.					
Measurements Made at Headgate					
6-19	C. E. Franklin	—	—	—	0.0
7- 8	do	—	—	—	.0
7-24	do	—	—	—	.0
9-10	do	—	—	—	.0
NORMAN CANAL—A-1604					
Diverted from White River—Sec. 24-32-52 W.					
Measurements Made at Headgate					
7- 8	C. E. Franklin	4.5	1.09	—	4.9
NORMAN CANAL—A-1614					
Diverted from Indian Creek—Sec. 16-32-50 W.					
Measurements Made at Headgate					
5-31	C. E. Franklin	—	—	—	0.0
6-19	do	—	—	—	.0
7- 8	do	1.1	1.36	—	1.5
7-24	do	—	—	—	.0
9-10	do	—	—	—	.0
OBERFELDER CANAL—D-306					
Diverted from Lodgepole Creek—Sec. 31-14-46 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 7	do	—	—	—	0
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

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					
7-23	C. E. Franklin	—	—	—	0.0
8- 7	do	—	—	—	.0
8-16	do	—	—	—	.0
9- 4	do	—	—	—	.0
OWASCO CANAL (BAY STATE LATERAL)—D-347R					
Diverted from Lodgepole Creek—Sec. 29-15-55 W.					
Measurements Made out of Owasco Canal					
10- 2	C. E. Franklin	—	—	—	0.0
10-22	do	—	—	—	.0
11- 8	do	—	—	—	.0
5-19	Franklin-Hanna	—	—	—	.0
6- 9	do	—	—	—	.0
6-29	do	—	—	—	.0
7-18	do	0.9	0.67	0.46	.6
8- 3	do	—	—	—	.0
8-29	C. E. Franklin	1.8	.67	.50	1.2
9-30	Franklin-Hanna	—	—	—	.0
OX YOKE CANAL—D-477					
Diverted from Ash Creek—Sec. 29-32-50 W.					
Measurements Made at Headgate					
10-17	C. E. Franklin	—	—	—	0.0
11- 3	do	—	—	—	.0
11-16	do	—	—	—	.0
6- 1	do	—	—	—	.0
6-19	do	—	—	—	.0
7- 8	do	—	—	—	.0
7-24	do	—	—	—	.0
8- 8	do	—	—	—	.0
9-10	do	—	—	—	.0
PERSINGER CANAL—D-297					
Diverted from Lodgepole Creek—Sec. 33-14-46 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	1.2	0.75	—	.9
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
PERSINGER CANAL—A-437					
Diverted from Lodgepole Creek—Sec. 4-13-46 W. Measurements Made at Headgate					
6- 7	C. E. Franklin	—	—	—	0.0
PETERS CANAL—D-913					
Diverted from Pumpkinseed Creek—Sec. 2-19-56 W. Measurements Made at Headgate					
6- 4	C. E. Franklin	—	—	—	0.0
7- 3	J. P. Hansen	—	—	—	.0
PIONEER CANAL, NORTH—D-442a					
Diverted from Niobrara River—Sec. 36-29-51 W. Measurements Made at Headgate					
10-21	C. E. Franklin	—	—	—	0.0
11- 5	do	—	—	—	.0
5-25	do	—	—	—	.0
7- 7	do	11.2	0.45	—	5.1
7-27	do	16.2	.24	—	3.9
9-16	do	—	—	—	.0
PIONEER CANAL, SOUTH—D-442b					
Diverted from Niobrara River—Sec. 31-29-50 W. Measurements Made at Headgate					
10-21	C. E. Franklin	—	—	—	0.0
11- 5	do	—	—	—	.0
5-25	do	—	—	—	.0
7- 7	do	14.5	0.72	—	10.4
7-27	do	14.7	.36	—	5.3
9-16	do	—	—	—	.0
PLUNKETT CANAL, WEST—A-2070					
Diverted from Reservoir A-2031 from Prairie Dog Creek Sec. 25-33-56 W. Measurements Made at Headgate					
5-29	C. E. Franklin	—	—	—	0.0
7-12	do	—	—	—	.0
PLUNKETT CANAL, EAST—A-2070					
Diverted from Reservoir A-2031 from Prairie Dog Creek Sec. 25-33-56 W. Measurements Made at Headgate					
5-29	C. E. Franklin	—	—	—	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
POTMESIL CANAL—A-2566					
Diverted from Niobrara River—Sec. 26-29-48 W.					
Measurements Made at Headgate					
10- 7	C. E. Franklin	—	—	—	0.0
10-27	do	—	—	—	.0
11-13	do	—	—	—	.0
5-21	do	—	—	—	.0
6-11	do	—	—	—	.0
7-19	do	9.1	1.14	—	10.4
8- 6	do	9.8	1.12	—	10.9
8-17	do	8.8	.89	—	7.8
8-31	do	5.7	.65	—	3.7
9-22	do	4.9	.57	—	2.8
PREMIER CANAL—D-340					
Diverted from Lodgepole Creek—Sec. 3-14-58 W.					
Measurements Made at Headgate					
10- 3	C. E. Franklin	—	—	—	0.9
10-23	do	—	—	—	0
11- 8	do	—	—	—	.3
5-19	Franklin-Hanna	—	—	—	0
6- 9	do	—	—	—	.0
6-29	do	—	—	—	.0
7-17	do	2.0	0.75	—	1.5
8- 2	do	4.0	.50	—	2.0
8-28	do	2.1	.67	—	1.4
9-29	do	—	—	—	0
RALTON CANAL—A-882					
Diverted from Lodgepole Creek—Sec. 36-13-45 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-16	do	—	—	—	.0
6- 7	do	—	—	—	.0
6-25	do	—	—	—	.0
7-14	do	—	—	—	.0
7-31	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

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					
5-26	J. P. Hansen	2.9	1.00	0.54	2.9
7-25	E. S. Kimmel	—	—	—	.0
7-31	do	—	—	—	.0
ROGERS CANAL—A-3777					
Diverted from Pumpkinseed Creek—Sec. 9-19-54 W.					
Measurements Made at Headgate					
7- 3	J. P. Hansen	—	—	—	0.0
ROUND HOUSE ROCK CANAL—D-884					
Diverted from Pumpkinseed Creek—Sec. 28-19-51 W.					
Measurements Made at Rating Flume					
7- 3	J. P. Hansen	—	—	—	0.0
RUNGE CANAL NO. 1—D-339					
Diverted from Lodgepole Creek—Sec. 20-14-50 W.					
Measurements Made near Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-18	do	—	—	—	.0
6- 5	do	—	—	—	.0
6-28	do	—	—	—	.0
7-16	do	1.8	0.94	—	1.7
7-30	do	1.6	1.31	—	2.1
8-27	do	—	—	—	.1
9-27	do	—	—	—	.0
RUTTNER CANAL—A-906					
Diverted from Lodgepole Creek—Sec. 30-14-47 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 8	do	—	—	—	.0
6-27	do	—	—	—	.0
7-13	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
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- 3	C. E. Franklin	1.0	0.90	—	0.9
10-22	do	1.2	.50	—	.6
11- 8	do	.8	.62	—	.5
5-19	Franklin-Hanna	—	—	—	.0
6- 9	do	1.2	.83	0.20	1.0
6-29	do	3.2	1.19	.54	3.8
7-17	do	2.9	.97	.80	2.8
8- 3	C. E. Franklin	3.3	.97	.93	3.2
8-28	Franklin-Hanna	—	—	—	.0
9-29	C. E. Franklin	—	—	—	.0
SCHILT-CEDAR CREEK CANAL—D-507					
Diverted from Cedar Creek—Sec. 35-33-56 W.					
Measurements Made at Headgate					
5-29	C. E. Franklin	—	—	—	0.0
SCHILT-MONROE CANAL—D-509					
Diverted from Monroe Creek—Sec. 27-33-56 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	—	—	—	0.0
10-31	do	—	—	—	.0
11-17	do	—	—	—	.0
9-12	do	—	—	—	.0
SCHILT-PRAIRIE DOG CANAL—D-508					
Diverted from Prairie Dog Creek—Sec. 35-33-56 W.					
Measurements Made at Headgate					
5-29	C. E. Franklin	0.4	0.75	—	0.3
SCHNELL CANAL—A-3588					
Diverted from Pumpkinseed Creek—Sec. 1-19-56 W.					
Measurements Made at Headgate					
7- 3	J. P. Hansen	—	—	—	0.0
SCOTT CANAL—A-711					
Diverted from Pumpkinseed Creek—Sec. 7-19-55 W.					
Measurements Made at Headgate					
9-27	C. E. Franklin	0.4	0.50	—	0.2

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SEEGRIST CANAL—A-1823					
Diverted from Indian Creek—Sec. 3-31-50 W.					
Measurements Made at Headgate					
5-31	C. E. Franklin	—	—	—	0.0
SHELDON CANAL—A-493					
Diverted from East Ash Creek—Sec. 30-32-50 W.					
Measurements Made at Headgate					
10-17	C. E. Franklin	—	—	—	0.0
11- 3	do	—	—	—	.0
11-16	do	—	—	—	.0
6- 1	do	—	—	—	.0
6-19	do	—	—	—	.0
7- 8	do	—	—	—	.0
7-24	do	—	—	—	.0
8- 8	do	—	—	—	.0
9-10	do	—	—	—	.0
SHEPHERD CANAL—A-1965					
Diverted from Squaw Creek—Sec. 36-34-57 W.					
Measurements Made at Headgate					
5-28	C. E. Franklin	—	—	—	0.2
SIGNAL BLUFF CANAL—D-807					
Diverted from North Platte River—Sec. 16-16-43 W.					
Measurements Made at Rating Flume					
10-30	J. P. Hansen	—	—	—	0.0
SIMONS CANAL—A-2363					
Diverted from Little Cottonwood Creek—Sec. 9-32-51 W.					
Measurements Made at Headgate					
10-20	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
8- 8	do	—	—	—	.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					
10-19	C. E. Franklin	0.5	0.60	—	0.0
10-31	do	—	—	—	.0
5-26	do	—	—	—	.0
7-10	do	—	—	—	.0
7-26	do	—	—	—	.0
8-18	do	—	—	—	.0
9-12	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SLATTERY CANAL—A-749, A-2021					
Diverted from Dead Horse Creek—Sec. 32-33-49 W.					
Measurements Made at Headgate					
10-17	C. E. Franklin	-----	-----	-----	0.0
11- 3	do	-----	-----	-----	.0
11-16	do	-----	-----	-----	.9
6-19	do	-----	-----	-----	.0
7- 8	do	-----	-----	-----	.0
7-23	do	-----	-----	-----	.0
8- 7	do	-----	-----	-----	.0
9-10	do	-----	-----	-----	.0
SMITH CANAL—D-526					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements Made at Headgate					
5-29	C. E. Franklin	0.8	1.38	-----	1.1
7-10	do	.5	1.20	-----	.6
7-26	do	.2	.50	-----	.1
8-18	do	-----	-----	-----	.0
SMITH-WHEELER CANAL—D-842					
Diverted from Pumpkinseed Creek—Sec. 26-19-51 W.					
Measurements Made at Headgate					
7- 3	J. P. Hansen	-----	-----	-----	0.0
SODERQUIST CANAL—A-1237, A-1420					
Diverted from Lodgepole Creek—Sec. 36-13-45 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
11-10	do	-----	-----	-----	.0
5-16	do	-----	-----	-----	.0
6- 7	do	-----	-----	-----	.0
6-25	do	-----	-----	-----	.0
7-14	do	-----	-----	-----	.0
7-31	do	-----	-----	-----	.0
8-27	do	-----	-----	-----	.0
9-27	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SOW BELLY CANAL, OLD—D-533					
Diverted from Sow Belly Creek—Sec. 7-32-55 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
4-28	do	1.4	2.36	-----	3.3
5-12	do	-----	-----	-----	.0
5-28	do	1.6	1.56	-----	2.5
7-10	do	-----	-----	-----	.0
7-26	do	-----	-----	-----	.0
8-18	do	.8	.75	-----	.6
9-13	do	-----	-----	-----	.0
SOW BELLY SUPPLY CANAL, OLD—A-2306					
Diverted from Sow Belly Creek—Sec. 5-32-55 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
5-12	do	-----	-----	-----	.0
5-28	do	-----	-----	-----	.0
7-10	do	-----	-----	-----	.0
7-26	do	-----	-----	-----	.0
8-18	do	-----	-----	-----	.0
9-13	do	1.0	1.10	-----	1.1
SOW BELLY SUPPLY CANAL, NEW—A-2306R					
Diverted from Sow Belly Creek—Sec. 5-32-55 W.					
Measurements Made at Headgate					
5-28	C. E. Franklin	-----	-----	-----	0.0
7-26	do	-----	-----	-----	.0
SPRING BRANCH CANAL—D-862, D-893, A-669					
Diverted from Lawrence Fork—Sec. 11-18-52 W.					
Measurements Made at Headgate					
5-26	J. P. Hansen	1.7	1.35	-----	2.3
7-25	E. S. Kimmel	3.4	1.71	-----	5.8
7-31	do	2.8	1.64	0.87	4.6
7-31	do	2.8	1.93	.90	5.4
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					
10-20	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
7- 8	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

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					
10-20	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-17	do	-----	-----	-----	.0
5-31	do	-----	-----	-----	.0
6-19	do	-----	-----	-----	.0
7- 9	do	-----	-----	-----	.0
7-24	do	-----	-----	-----	.0
8- 8	do	-----	-----	-----	.0
9-11	do	-----	-----	-----	.0

STUART BROTHERS CANAL, SOUTH—A-8
Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.
Measurements Made at Headgate

10-20	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-17	do	-----	-----	-----	.0
5-31	do	-----	-----	-----	.0
6-19	do	-----	-----	-----	.0
7- 9	do	-----	-----	-----	.0
7-24	do	-----	-----	-----	.0
8- 8	do	-----	-----	-----	.0
9-11	do	-----	-----	-----	.0

STUART MAPLE CANAL—A-656
Diverted from Little Cottonwood Creek—Sec. 3-32-52 W.
Measurements Made at Headgate

10-20	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-17	do	-----	-----	-----	.0
5-31	do	-----	-----	-----	.0
6-19	do	-----	-----	-----	.0
7- 9	do	-----	-----	-----	.0
7-24	do	-----	-----	-----	.0
8- 8	do	-----	-----	-----	.0
9-11	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
STUMPH CANAL—D-447R, D-1023½					
Diverted from East Ash Creek—Sec. 31-32-50 W.					
Measurements Made at Headgate					
10-17	C. E. Franklin	-----	-----	-----	0.0
11- 3	do	-----	-----	-----	.0
11-16	do	-----	-----	-----	.0
6- 1	do	-----	-----	-----	.0
6-19	do	-----	-----	-----	.0
7- 8	do	-----	-----	-----	.0
7-24	do	-----	-----	-----	.0
8- 8	do	-----	-----	-----	.0
9-10	do	-----	-----	-----	.0

THOMAS CANAL—A-2057					
Diverted from East Ash Creek—Sec. 19-32-50 W.					
Measurements Made at Headgate					
10-17	C. E. Franklin	-----	-----	-----	0.0
11- 3	do	-----	-----	-----	.0
11-16	do	-----	-----	-----	.0
6- 1	do	-----	-----	-----	.0
6-19	do	-----	-----	-----	.0
7- 8	do	-----	-----	-----	.0
7-24	do	-----	-----	-----	.0
8- 8	do	-----	-----	-----	.0
9-10	do	-----	-----	-----	.0

THOMAS CANAL—A-1748					
Diverted from Big Bordeaux Creek—Sec. 34-34-48 W.					
Measurements Made at Headgate					
10-12	C. E. Franklin	-----	-----	-----	0.0
10-27	do	-----	-----	-----	.0
11-13	do	-----	-----	-----	.0
5-21	do	-----	-----	-----	.0
6-11	do	-----	-----	-----	.0
7- 3	do	-----	-----	-----	.0
7-19	do	-----	-----	-----	.0
8- 7	do	-----	-----	-----	.0
8-16	do	-----	-----	-----	.0
9- 4	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

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					
10-20	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
11-17	do	—	—	—	.0
5-31	do	—	—	—	.0
6-19	do	—	—	—	.0
7- 9	do	—	—	—	.0
7-24	do	—	—	—	.0
8- 8	do	—	—	—	.0
9-11	do	—	—	—	.0

TOBIN CANAL—D-330					
Diverted from Lodgepole Creek—Sec. 28-14-47 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-17	do	—	—	—	.0
6- 8	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

TODD CANAL—A-520					
Diverted from East Ash Creek—Sec. 5-31-50 W.					
Measurements Made at Headgate					
10-17	C. E. Franklin	—	—	—	0.0
11- 3	do	—	—	—	.0
11-16	do	—	—	—	.0
7- 8	do	—	—	—	.0
7-24	do	—	—	—	.0
8- 8	do	—	—	—	.0
9-10	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

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- 3	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 8	do	—	—	—	.0
5-19	Franklin-Hanna	—	—	—	.0
6- 9	do	—	—	—	.0
6-29	do	—	—	—	.0
7-17	do	—	—	—	.0
8- 2	C. E. Franklin	4.0	0.12	—	.5
8-28	do	—	—	—	0
9-29	Franklin-Hanna	—	—	—	.0
TRAILS END CANAL—A-3453					
Diverted from Pumpkinseed Creek—Sec. 30-19-52 W.					
Measurements Made at Headgate					
7- 3	J. P. Hansen	—	—	—	0.0
TRI-STATE CANAL—A-768					
Diverted from Dry Spotted Tail Creek—Sec. 9-23-56 W.					
Measurements Made at North Line					
6-21	Mount-Kimmel	17.3	1.56	—	27.0
TURNER RESERVOIR CANAL—A-1676					
Diverted from Turner Reservoir, A-1675—Sec. 26-34-57 W.					
5-28	C. E. Franklin	—	—	—	0.0
TURNER RESERVOIR CANAL—A-1677					
Diverted from Turner Reservoir, A-1675—Sec. 26-34-57 W.					
5-28	C. E. Franklin	1.6	1.31	—	2.1
URBACH CANAL—D-308, A-723					
Diverted from Lodgepole Creek—Sec. 15-14-51 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11- 9	do	—	—	—	.0
5-18	do	—	—	—	.0
6- 5	do	—	—	—	0
6-28	do	—	—	—	.0
7-16	do	2.4	1.04	—	2.5
7-30	do	—	—	—	0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
VALDEZ CANAL—D-976, A-3450					
Diverted from Cedar Creek—Sec. 10-32-56 W.					
Measurements Made at Headgate					
5-29	C. E. Franklin	—	—	—	0.0
7-12	do	—	—	—	.0
WARBONNET CANAL—D-548					
Diverted from Warbonnet Creek—Sec. 21-33-56 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	—	—	—	0.0
10-31	do	—	—	—	.0
11-17	do	—	—	—	.0
3-24	do	1.2	1.33	—	1.6
4-28	do	2.5	1.16	—	2.9
5-12	do	1.6	1.56	—	2.5
5-26	do	.4	3.00	—	1.2
6-21	do	2.6	1.00	—	2.6
6-21	do	2.7	1.00	—	2.7
7-10	do	—	—	—	.0
7-26	do	.6	.67	—	.4
8-18	do	—	—	—	.0
9-12	do	2.6	.31	—	.8
WARBONNET CANAL NO. 2—A-892					
Diverted from Warbonnet Creek—Sec. 20-33-56 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	2.4	1.17	—	2.8
10-31	do	2.4	.96	—	2.3
11-17	do	1.8	1.11	—	2.0
5-12	do	—	—	—	.0
5-26	do	2.4	1.17	—	2.8
6-21	do	.3	.67	—	.2
7-10	do	1.6	1.19	—	1.9
7-26	do	1.2	1.50	—	1.8
8-18	do	1.2	.33	—	1.0
9-12	do	.4	.75	—	.3
WARNEKE CANAL—D-505					
Diverted from Niobrara River—Sec. 27-31-57 W.					
Measurements Made at Headgate					
5-26	C. E. Franklin	—	—	—	0.0
7-12	do	—	—	—	.0
7-28	do	—	—	—	.0
8-20	do	—	—	—	.0
9-18	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WEARIN CANAL—A-1864					
Diverted from Lodgepole Creek—Sec. 8-14-58 W.					
Measurements Made at Rating Flume					
10- 3	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0
11- 8	do	-----	-----	-----	.0
5-19	Franklin-Hanna	-----	-----	-----	.0
6- 9	do	-----	-----	-----	.0
6-29	do	-----	-----	-----	.0
7-17	do	-----	-----	-----	.0
8- 2	do	-----	-----	-----	.0
8-28	do	-----	-----	-----	.0
9-29	do	-----	-----	-----	.0
WHITE RIVER CANAL—D-477					
Diverted from White River—Sec. 34-32-52 W.					
Measurements Made at Rating Flume					
10-20	C. E. Franklin	-----	-----	-----	0.0
11-16	do	-----	-----	-----	.0
5-12	do	-----	-----	-----	.0
5-30	do	-----	-----	-----	.0
6-18	do	-----	-----	-----	.0
7- 9	do	4.4	0.86	0.75	3.8
7-25	do	-----	-----	-----	.0
8- 8	do	-----	-----	-----	.0
9-11	do	-----	-----	-----	.0
WHITNEY RESERVOIR INTAKE CANAL—A-1625					
Diverted from White River—Sec. 33-33-51 W.					
Measurements Taken from Whitney Pipe Line					
6-18	Franklin-Rasmussen	7.4	0.74	-----	5.5
7- 8	C. E. Franklin	4.1	.44	-----	1.8
7-25	do	-----	-----	-----	.0
9-11	do	-----	-----	-----	.0
WICKERSHAM CANAL—A-701, A-2204					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
4-28	do	-----	-----	-----	.0
5-12	do	0.4	0.75	-----	.3
5-29	do	-----	-----	-----	.0
7-26	do	-----	-----	-----	.0
8-18	do	-----	-----	-----	.2
9-18	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WICKERSHAM SUPPLY CANAL—A-2182					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	—	—	—	0.9
10-31	do	0.4	0.50	—	.2
3-24	do	1.3	1.31	—	1.7
4-23	do	—	—	—	.0
5-12	do	—	—	—	.0
5-29	do	1.8	1.50	—	2.7

WIEGAND CANAL—A-563
 Diverted from Lodgepole Creek—Sec. 17-13-45 W.
 Measurements Made at Headgate

10- 4	C. E. Franklin	—	—	—	0.9
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-16	do	—	—	—	.0
6- 7	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

WIEGAND CANAL NO. 2—A-1323
 Diverted from Lodgepole Creek—Sec. 16-13-45 W.
 Measurements Made at Headgate

10- 4	C. E. Franklin	1.8	0.39	—	0.7
10-25	do	—	—	—	.0
11-10	do	—	—	—	.0
5-16	do	—	—	—	.0
6- 7	do	—	—	—	.0
6-27	do	—	—	—	.0
7-16	do	—	—	—	.0
7-30	do	—	—	—	.0
8-27	do	—	—	—	.0
9-27	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

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					
10- 4	C. E. Franklin	-----	-----	-----	0.3
10-25	do	-----	-----	-----	.0
11-10	do	-----	-----	-----	.9
5-16	do	-----	-----	-----	.0
6- 7	do	-----	-----	-----	.0
6-27	do	-----	-----	-----	.0
7-16	do	-----	-----	-----	.0
7-30	do	-----	-----	-----	.0
8-27	do	-----	-----	-----	.0
9-27	do	-----	-----	-----	.0

WILDS CANAL, NORTH—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
11-10	do	-----	-----	-----	.0
5-16	do	-----	-----	-----	.0
6- 7	do	-----	-----	-----	.0
6-27	do	-----	-----	-----	.0
7-16	do	-----	-----	-----	.0
7-30	do	-----	-----	-----	.0
8-27	do	-----	-----	-----	.0
9-27	do	-----	-----	-----	0

WILDS CANAL, SOUTH—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
11-10	do	-----	-----	-----	.3
5-16	do	-----	-----	-----	.0
6- 7	do	-----	-----	-----	.0
6-27	do	-----	-----	-----	.0
7-16	do	-----	-----	-----	.0
7-30	do	-----	-----	-----	.0
8-27	do	-----	-----	-----	.0
9-27	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WOLF CANAL—D-813					
Diverted from Lodgepole Creek—Sec. 18-13-45 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
11-10	do	-----	-----	-----	.0
5-16	do	-----	-----	-----	.0
6- 7	do	-----	-----	-----	.0
6-27	do	-----	-----	-----	.0
7-16	do	2.5	1.28	-----	3.2
7-30	do	1.6	.81	-----	1.3
8-27	do	-----	-----	-----	.0
9-27	do	-----	-----	-----	.0
WOODRUFF CANAL, NORTH—D-536					
Diverted from Jim Creek—Sec. 14-33-57 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
7-10	do	-----	-----	-----	.0
7-26	do	-----	-----	-----	.0
8-18	do	-----	-----	-----	.0
9-12	do	-----	-----	-----	.0
WOODRUFF CANAL, SOUTH—D-536					
Diverted from Jim Creek—Sec. 14-33-57 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
5- 4	J. J. Rasmussen	-----	-----	0.19	.3
7-10	C. E. Franklin	-----	-----	-----	.0
7-26	do	-----	-----	-----	.0
8-18	do	-----	-----	-----	.0
9-12	do	-----	-----	-----	.0
ZERBST CANAL—A-2003					
Diverted from Little Red Creek—Sec. 34-33-56 W.					
Measurements Made at Headgate					
10-19	Franklin-Rasmussen	-----	-----	-----	0.0
5-29	C. E. Franklin	0.2	0.65	-----	.13
7-12	do	.4	.45	-----	.18

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1945

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
ZIMMERMAN CANAL—A-532					
Diverted from Sow Belly Creek—Sec. 34-33-55 W.					
Measurements Made at Headgate					
10-18	Franklin-Rasmussen	1.5	0.60	-----	0.9
10-31	C. E. Franklin	1.4	.86	-----	1.2
5-12	do	-----	-----	-----	.0
5-28	do	.6	.83	-----	.5
7-10	do	-----	-----	-----	.0
7-26	do	-----	-----	-----	.0
8-18	do	-----	-----	-----	.0
9-13	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
ABERDEEN CANAL—A-1117					
Diverted from the Frenchman River—Sec. 2-5-38 W. Measurements Made at Headgate					
7- 2	J. N. Walburn	-----	-----	-----	0.0
ADAMS CANAL—D-371					
Diverted from Lodgepole Creek—Sec. 3-14-52 W. Measurements Made at Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-30	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
8-10	O. R. Benner	-----	-----	-----	.0
8-28	do	-----	-----	-----	.0
JOHN F. ADEN PUMP—A-3882					
Diverted from Beaver Creek—Sec. 29-13-15 W. Measurements Made at Pump Site					
8- 2	B. A. Nelson	-----	-----	-----	0.0
8- 8	do	1.4	1.43	-----	2.0
ALLEN-LARNED CANAL—D-117					
Diverted from Buffalo Creek—Sec. 18-1-40 W. Measurements Made at Headgate					
6- 7	J. N. Walburn	-----	-----	-----	0.0
8- 1	do	2.1	0.51	-----	1.1
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					
4-26	Jones-Nelson	-----	-----	-----	0.0
6-25	B. A. Nelson	21.1	0.13	1.53	2.7
7-10	do	13.8	.14	1.30	2.0
7-23	do	-----	-----	1.10	1.0
8- 7	do	-----	-----	-----	.0
9- 5	do	-----	-----	-----	.0
AMACK PUMP—A-3244					
Diverted from Republican River—Sec. 7-1-10 W. Measurements Made at Pump Site					
7-26	J. N. Walburn	-----	-----	-----	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
AMSBERRY PUMP—A-2789					
Diverted from Mud Creek—Sec. 23-15-18 W.					
Measurements Made at Pump Site					
8-15	B. A. Nelson	-----	-----	-----	0.0
AMSBERRY PUMP—A-2684					
Diverted from Mud Creek—Sec. 22-15-18 W.					
Measurements Made at Pump Site					
8-15	B. A. Nelson	0.7	1.70	-----	1.2
ANDERSON CANAL—D-373					
Diverted from Lodgepole Creek—Sec. 8-14-51 W.					
Measurements Made at Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-30	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.2
6- 6	do	-----	-----	-----	.0
8-10	O. R. Benner	-----	-----	-----	.0
8-28	do	-----	-----	-----	.0
ANDERSON CANAL—D-151					
Diverted from Republican River—Sec. 1-1-37 W.					
Measurements Made at Headgate					
6- 7	J. N. Walburn	-----	-----	-----	0.0
6- 8	do	-----	-----	-----	.0
ANDREWS SUPPLY CANAL—A-2530					
Diverted from Sow Belly Creek—Sec. 5-32-55 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
5-14	do	-----	-----	-----	.0
ANDREWS CANAL—A-2558					
Diverted from Andrews Reservoir, A-2530—Sec. 5-32-55 W.					
Measurements Made at Headgate					
10-25	C. E. Franklin	-----	-----	-----	0.0
5-14	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
ATKINS-POLLY CANAL—D-342, D-344					
Diverted from Lodgepole Creek—Sec. 30-15-55 W.					
Measurement Made at Rating Flume					
10-16	C. E. Franklin	-----	-----	-----	0.0
10-29	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-22	do	1.4	1.00	-----	1.4
4-27	do	1.8	1.50	0.45	2.7
5-17	Franklin-Hanna	-----	-----	-----	.0
5-31	C. E. Franklin	-----	-----	-----	.0
8- 9	O. R. Benner	-----	-----	-----	.0
8-26	do	3.4	.82	.72	2.8

AULD-CROWELL PUMP—A-3248

Diverted from Republican River—Sec. 9-1-11 W.

Measurement Made at Pump Site

7-26	J. N. Walburn	-----	-----	-----	0.0
------	---------------	-------	-------	-------	-----

BAR 99 CANAL—A-2898

Diverted from Bear Creek—Sec. 16-34-37 W.

Measurements Made at Headgate

10	C. E. Franklin	-----	-----	-----	0.0
10-17	do	-----	-----	-----	.0
10-24	do	-----	-----	-----	.0
11-10	do	-----	-----	-----	.0
12-11	do	-----	-----	-----	.0
2-11	do	-----	-----	-----	.0
2-22	do	-----	-----	-----	.0
2-27	do	-----	-----	-----	.0
3-20	do	-----	-----	-----	.0
4-14	do	-----	-----	-----	.0
4-27	do	-----	-----	-----	.0
5- 8	do	-----	-----	-----	.0
5-26	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BAR 99 CANAL, NORTH—A-3321					
Diverted from Bear Creek—Sec. 16-34-37 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	-----	-----	-----	0.0
10-20	do	-----	-----	-----	.0
12-17	do	-----	-----	-----	.0
1- 9	do	-----	-----	-----	.0
1-24	do	-----	-----	-----	.0
2-11	do	-----	-----	-----	.0
2-23	do	-----	-----	-----	.0
3- 7	do	-----	-----	-----	.0
3-20	do	-----	-----	-----	.0
4-14	do	-----	-----	-----	.0
4-25	do	-----	-----	-----	.0
5- 8	do	-----	-----	-----	.9
5-26	do	-----	-----	-----	.0
BARBER CANAL—D-754, A-1111					
Diverted from Clear Creek—Sec. 29-16-41 W.					
Measurements Made at Headgate					
5-29	S. M. Christensen	3.3	1.67	0.90	5.5
9- 9	Harrington-Hanks	6.1	.94	1.60	5.7
9-30	P. D. Harrington	2.1	.38	.56	.8
BARRETT CANAL—D-334					
Diverted from Lodgepole Creek—Sec. 32-14-46 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 4	do	-----	-----	-----	.0
BARRON CANAL, EAST—A-2024					
Diverted from East Ash Creek—Sec. 32-32-50 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	1.2	0.92	-----	1.1
10-23	do	1.2	1.08	-----	1.3
11-14	do	1.7	.65	-----	1.1
4-15	do	1.2	1.33	-----	1.6
5-12	do	.9	1.11	-----	1.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1946

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 at Headgate					
10- 8	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
5-29	do	1.3	1.00	—	1.3
BAUERSACHS CANAL—D-492					
Diverted from Hooker Creek—Sec. 7-31-51 W.					
Measurements Made at Headgate					
10- 9	C. E. Franklin	—	—	—	0.0
10-26	do	—	—	—	.9
11-15	do	—	—	—	.0
BEAL CANAL—A-1620					
Diverted from South Platte River—Sec. 20-13-40 W.					
Measurements Made at Headgate					
7-22	J. H. Hintz	5.7	0.97	—	5.5
7-29	do	3.3	1.03	—	3.4
8- 5	do	2.6	.92	—	2.4
8-12	do	1.7	.82	—	1.4
8-19	do	1.5	.65	—	1.0
8-26	do	2.5	.72	—	1.8
9- 3	do	4.4	.96	—	4.2
9-23	do	—	—	—	.1
9-30	do	—	—	—	.5
BEISER CANAL—A-1056					
Diverted from Niobrara River—Sec. 4-29-56 W.					
Measurements Made at Headgate					
10-11	C. E. Franklin	—	—	—	0.0
10-27	do	—	—	—	.0
4-17	do	—	—	—	.9
5-15	do	—	—	—	.0
BENNETT CANAL—A-1249					
Diverted from Niobrara River—Sec.1-28-54 W.					
Measurements Made at Headgate					
10-12	C. E. Franklin	—	—	—	0.0
10-27	do	—	—	—	.0
5-15	do	—	—	—	.0
6-14	do	—	—	—	.0
7-11	O. R. Benner	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BENNETT CANAL—A-691, A-1975					
Diverted from Lodgepole Creek and Bennett Reservoir Sec. 22-15-55 W.					
Measurements Made at Headgate					
10-16	C. E. Franklin	1.8	0.39	-----	0.7
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-30	do	3.5	.96	1.23	3.4
5-17	Franklin-Hanna	-----	-----	-----	.0
5-30	C. E. Franklin	-----	-----	-----	.0
5-31	do	2.6	.50	.94	1.3
8-10	O. R. Benner	5.0	1.12	-----	5.6
8-27	Benner-Hanna	5.4	.78	-----	4.2
BURT PUMP—A-3271					
Diverted from Sappa Creek—Sec. 34-2-21 W.					
Measurements Made at Pump Site					
6-27	J. N. Walburn	-----	-----	-----	0.0
BICKEL CANAL—D-347, A-719, A-724					
Diverted from Lodgepole Creek—Sec. 30-15-55 W.					
Measurements Made at Headgate					
10-16	C. E. Franklin	-----	-----	-----	0.0
10-29	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-29	do	-----	-----	-----	.0
5-17	Franklin-Hanna	-----	-----	-----	.0
5-31	C. E. Franklin	-----	-----	-----	.0
8-9	O. R. Benner	3.1	0.87	0.66	2.7
8-26	do	1.6	1.25	.37	2.1
BIGELOW-SEYMOUR CANAL—D-510					
Diverted from Niobrara River—Sec. 19-31-57 W.					
Measurements Made at Headgate					
10-11	C. E. Franklin	-----	-----	-----	0.0
10-27	do	-----	-----	-----	.0
4-17	do	1.2	0.50	-----	.6
5-15	do	1.2	.68	-----	.8
7-11	O. R. Benner	-----	-----	-----	.0
BLANK AND JOY CANAL—A-2025					
Diverted from Center Creek—Sec. 1-1-15 W.					
Measurements Made at Headgate					
8-23	J. N. Walburn	-----	-----	-----	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BLANK, JOY AND HEVNER CANAL—A-3084					
Diverted from Center Creek—Sec. 1-1-15 W.					
Measurements Made at Headgate					
8-23	J. N. Walburn	-----	-----	-----	0.0
BLINCOW PUMP— A-3510					
Diverted from Turkey Creek—Sec. 3-3-21 W.					
Measurements Made at Pump Site					
8- 2	J. N. Walburn	-----	-----	-----	0.0
BLUHM CANAL—A-1811					
Diverted from Lodgepole Creek—Sec. 36-14-48 W.					
Measurements Made at Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
7-19	O. R. Benner	-----	-----	-----	.0
7-25	do	-----	-----	-----	.0
BOELUS POWER CANAL—A-1373					
Diverted from Middle Loup River—Sec. 30-13-12 W.					
Measurements Made at Headrace Flume					
6-13	B. A. Nelson	229.	2.14	-----	489.
BOOTH CANAL, NORTH—D-309, D-310					
Diverted from Lodgepole Creek—Sec. 29-14-47 W.					
Measurements Made at Rating Flume					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
7-16	S. M. Christensen	-----	-----	-----	.0
7-25	O. R. Benner	-----	-----	-----	.0
8- 7	do	3.2	1.03	0.89	3.3
8-26	do	1.6	.47	.31	.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

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					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
7-16	S. M. Christensen	3.4	0.91	-----	3.1
7-19	O. R. Benner	.4	.32	-----	.1
7-25	do	-----	-----	-----	.0
8- 8	do	-----	-----	-----	.0
8-26	do	-----	-----	-----	.0

BORDWELL CANAL—D-302					
Diverted from Lodgepole Creek—Sec. 35-14-49 W.					
Measurements Made at Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
7-25	O. R. Benner	2.2	1.00	-----	2.2
8- 8	do	-----	-----	-----	.0
8-26	do	-----	-----	-----	.0
9- 4	E. S. Kimmel	-----	-----	-----	.0
9-25	Kimmel-Ratliff	-----	-----	-----	.0

BORDWELL CANAL—D-303					
Diverted from Lodgepole Creek—Sec. 35-14-49 W.					
Measurements Made at Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
7-18	O. R. Benner	1.4	0.86	-----	1.2
7-25	do	-----	-----	-----	.0
8- 8	do	1.4	-----	1.14	1.6
8-20	Christensen-Hanks	1.2	.63	-----	.8
8-26	O. R. Benner	-----	-----	-----	.0
9- 4	E. S. Kimmel	-----	-----	-----	.0
9-25	Kimmel-Ratliff	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
BORQUIST CANAL, SOUTH—D-300					
Diverted from Lodgepole Creek—Sec. 34-14-49 W.					
Measurements Made at Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
7-25	O. R. Benner	1.9	0.63	-----	1.2
8- 8	do	-----	-----	-----	.0
8-26	do	-----	-----	-----	.0
9- 4	E. S. Kimmel	-----	-----	-----	.0
9-25	Kimmel-Ratliff	-----	-----	-----	.0
BORQUIST CANAL, NORTH—D-301					
Diverted from Lodgepole Creek—Sec. 34-14-49 W.					
Measurements Made at Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
7-18	O. R. Benner	-----	-----	-----	.0
8- 8	do	1.4	1.09	-----	1.5
8-20	Christensen-Hanks	.8	1.53	-----	1.2
8-26	O. R. Benner	-----	-----	-----	.0
9- 4	E. S. Kimmel	-----	-----	0.36	1.9
9-25	Kimmel-Ratliff	-----	-----	-----	.9
BRADY CANAL—D-352					
Diverted from Lodgepole Creek—Sec. 28-15-54 W.					
Measurements Made at Headgate					
8-10	O. R. Benner	-----	-----	-----	0.0
8-28	do	-----	-----	-----	.0
BRITTON PUMP—A-2467					
Diverted from North Loup River—Sec. 26-21-18 W.					
Measurements Made at Pump Site					
8-14	B. A. Nelson	-----	-----	-----	0.0
BROWN PUMP—A-3758					
Diverted from Indian Creek—Sec. 23-2-36 W.					
Measurements Made at Pump Site					
6- 7	J. N. Walburn	-----	-----	-----	0.0
6- 8	do	-----	-----	-----	.0
6-27	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

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					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 4	do	-----	-----	-----	.0
BULLOCK CANAL—A-437					
Diverted from Lodgepole Creek—Sec. 4-13-46 W. Measurements Made below Headgate					
10-30	C. E. Franklin	-----	-----	-----	0.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
5-22	do	3.6	1.53	-----	5.5
6- 4	do	-----	-----	-----	.0
BURLINGTON PIPE LINE—A-1143					
Diverted from Maurer Spring—Sec. 23-2-11 W.					
7-26	J. N. Walburn	-----	-----	-----	0.0
BUSHNELL CANAL—A-504					
Diverted from Lodgepole Creek—Sec. 2-14-58 W. Measurements Made at Headgate					
10-16	C. E. Franklin	-----	-----	-----	0.0
10-29	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-30	do	2.7	0.89	-----	2.4
5-17	Franklin-Hanna	2.2	.82	-----	1.8
5-31	C. E. Franklin	2.3	.65	-----	1.5
8- 9	O. R. Benner	-----	-----	-----	.0
8-27	do	-----	-----	-----	.0
BUTLER PUMP—A-3366					
Diverted from Beaver Creek—Sec. 13-2-23 W. Measurements Made at Pump Site					
6-27	J. N. Walburn	-----	-----	-----	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
CALADONIA CANAL—A-1681, A-1683					
Diverted from Jim Creek and Caladonia Reservoir, A-1680 Sec. 13-33-57 W.					
Measurements Made at Headgate					
10-25	C. E. Franklin	-----	-----	-----	0.0
5-14	do	-----	-----	-----	.0
7-10	O. R. Benner	0.3	0.67	-----	.2
CAPRON CANAL—D-890					
Diverted from Greenwood Creek—Sec. 15-18-50 W.					
Measurements Made at Headgate					
7- 1	Benner-Christensen	-----	-----	-----	0.0
CARPENTER CANAL—A-1861					
Diverted from Turkey Creek—Sec. 30-4-21 W.					
Measurements Made at Headgate					
6-22	J. N. Walburn	-----	-----	-----	0.0
CARTWRIGHT PUMP—A-3117					
Diverted from Ash Creek—Sec. 7-32-50 W.					
Measurements Made at Pump Site					
10- 8	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0
5-12	do	-----	-----	-----	.0
CASTEEL PUMP—A-3049					
Diverted from Clear Creek—Sec. 1-16-18 W.					
Measurements Made at Pump Site					
7-30	B. A. Nelson	-----	-----	-----	0.0
CHAMPION CANAL—D-47, A-1108					
Diverted from Frenchman River—Sec. 23-6-40 W.					
Measurements Made at Headgate					
6-19	J. N. Walburn	14.5	0.84	2.17	12.2
8-27	do	6.3	1.14	1.12	7.2
CHAMPION CANAL—A-1160					
Diverted from Frenchman River—Sec. 29-6-39 W.					
Measurements Made below Kilpatrick Reservoir					
6-20	J. N. Walburn	10.1	0.52	-----	5.2
CHASE COUNTY LAND AND LIVESTOCK CANAL NO. 1—A-57					
Diverted from Stinking Water Creek—Sec. 4-7-38 W.					
Measurements Made at Headgate					
7- 1	J. N. Walburn	-----	-----	-----	0.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
CHASE COUNTY LAND AND LIVESTOCK CANAL NO. 3—D-78					
Diverted from Stinking Water Creek—Sec. 14-7-38 W.					
Measurements Made at Headgate					
7- 1	J. N. Walburn	-----	-----	-----	0.0
CHASE COUNTY LAND AND LIVESTOCK CANAL NO. 4—A-56					
Diverted from Stinking Water Creek—Sec. 14-7-38 W.					
7- 1	J. N. Walburn	-----	-----	-----	0.0
CHRISTENSEN CANAL, NORTH—D-367					
Diverted from Lodgepole Creek—Sec. 7-14-51 W.					
Measurements Made at Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-30	do	2.3	0.56	-----	1.5
5-22	do	2.4	.54	-----	1.3
6- 6	do	1.3	.46	-----	.6
8-10	O. R. Benner	-----	-----	-----	.0
8-28	do	-----	-----	-----	.1
CHRISTENSEN CANAL, SOUTH—D-366					
Diverted from Lodgepole Creek—Sec. 7-14-51 W.					
Measurements Made at Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-30	do	3.1	0.29	-----	.9
5-22	do	.6	.83	-----	.5
6- 6	do	-----	-----	-----	.0
CIRCLE ARROW CANAL—D-346					
Diverted from Lodgepole Creek—Sec. 30-15-54 W.					
Measurements Made at Headgate					
10-16	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-30	do	6.0	7.48	0.32	1.5
5-17	Franklin-Hanna	1.2	2.75	.30	3.3
8-10	O. R. Benner	-----	-----	-----	.0
8-27	Benner-Hanna	1.2	1.75	.44	2.2

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
CLEAR CREEK CANAL—D-748					
Diverted from Clear Creek—Sec. 32-16-41 W.					
Measurements Made at Rating Flume					
5-30	S. M. Christensen	-----	-----	-----	0.0
6- 6	do	-----	-----	-----	.0
6-20	do	-----	-----	-----	0
COFFEE CANAL, EAST—D-512					
Diverted from Hat Creek—Sec. 26-33-55 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.6
10-25	do	2.6	0.58	-----	1.5
4-16	do	1.4	.79	-----	1.1
5-14	do	2.0	1.00	-----	2.6
7-10	O. R. Benner	.3	.67	-----	.2
COFFEE CANAL, WEST—D-512					
Diverted from Hat Creek—Sec. 26-33-55 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
4-16	do	-----	-----	-----	.0
5-14	do	-----	-----	-----	.0
COFFEE AND SON FLOOD CANAL—A-1236					
Diverted from Hat Creek—Sec. 14-33-55 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
5-14	do	-----	-----	-----	.0
COLD WATER CANAL—D-796					
Diverted from Cold Water Creek—Sec. 26-18-46 W.					
Measurements Made into Lisco Canal					
11- 8	E. S. Kimmel	3.5	1.11	-----	3.9
9- 4	P. D. Harrington	2.6	1.11	-----	2.9

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
COLE PROJECT DAM NO. 1—A-2254					
Diverted from Bear Creek—Sec. 14-34-37 W.					
Measurements Made at Headgate					
10- 4	C. E. Franklin	—	—	—	0.0
10-20	do	—	—	—	.0
12-17	do	—	—	—	.0
1- 9	do	—	—	—	.2
1-24	do	—	—	—	.0
2-11	do	—	—	—	.0
2-23	do	6.2	0.63	—	3.9
3- 7	do	—	—	—	0
3-20	do	—	—	—	.0
4-14	do	—	—	—	.0
4-25	do	—	—	—	.0
5- 8	do	—	—	—	.0
5-26	do	—	—	—	.0
COLLINS PUMP—A-3091					
Diverted from Sappa Creek—Sec. 30-1-23 W.					
Measurements Made at Pump Site					
8- 2	J. N. Walburn	—	—	—	0.0
COOK CANALS, NO. 1 AND NO. 2—D-980					
Diverted from Niobrara River—Sec. 1-28-56 W.					
Measurements Made at Headgate					
10-11	C. E. Franklin	1.4	0.86	1.20	1.2
10-27	do	3.0	.43	—	1.3
4-17	do	—	—	—	.0
5-15	do	3.2	.88	1.12	2.8
7-11	O. R. Benner	1.2	1.06	—	1.2
COOPER CANAL, EAST—A-42					
Diverted from White Clay Creek—Sec. 2-31-52 W.					
Measurements Made at Headgate					
10- 9	C. E. Franklin	—	—	—	0.0
10-26	do	—	—	—	.0
11-15	do	—	—	—	.0
COOPER CANAL, WEST—A-42					
Diverted from White Clay Creek—Sec. 2-31-52 W.					
Measurements Made at Headgate					
10- 9	C. E. Franklin	—	—	—	0.0
10-26	do	0.7	0.52	—	.4
11-15	do	1.4	.93	—	1.3

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
COOPER PUMP—A-3778					
Diverted from Muddy Creek—Sec. 15-15-18 W. Measurements Made at Pump Site					
8-15	B. A. Nelson	1.3	1.56	—	2.0
COOPER-ANDERSON PUMP—A-3115					
Diverted from Muddy Creek—Sec. 28-14-16 W. Measurements Made at Pump Site					
8-15	B. A. Nelson	0.9	1.23	—	1.1
CREWS CANAL—D-1025R, Petition 241					
Diverted from North Fork Republican River—Sec. 21-1-41 W. Measurements Made at Headgate					
6-7	J. N. Walburn	—	—	—	0.0
8-1	do	2.4	1.28	—	3.0
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					
6-7	J. N. Walburn	—	—	—	0.0
8-1	do	0.6	1.00	—	.6
CRIGLER CANAL—D-861, A-486					
Diverted from Lawrence Fork—Sec. 1-18-52 W. Measurements Made at Headgate					
8-16	Christensen-Hanks	—	—	—	0.0
CRIPPS CANAL—A-735					
Diverted from Ash Creek—Sec. 12-32-50 W. Measurements Made at Headgate					
11-14	C. E. Franklin	—	—	—	0.0
5-12	do	—	—	—	.0
CRIPPS PUMP—A-2571					
Diverted from Cripps Reservoir, A-2481—Sec. 12-32-51 W. Measurements Made at Pump Site					
10-8	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	0
11-14	do	—	—	—	.0
5-12	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
DAVIS PUMP—A-1895					
Diverted from Lillian Creek—Sec. 1-19-20 W.					
Measurements Made at Pump Site					
6-24	B. A. Nelson	-----	-----	-----	0.0
7-11	O. R. Benner	-----	-----	-----	0
DEITRICH PUMP—A-2464					
Diverted from Muddy Creek—Sec. 4-12-15 W.					
Measurements Made at Pump Site					
8- 2	B. A. Nelson	-----	-----	-----	0.0
DICKINSON CANAL—D-967					
Diverted from Lodgepole Creek—Sec. 33-14-47 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	0
11-23	do	-----	-----	-----	0
5- 4	do	-----	-----	-----	0
5-22	do	4.4	0.41	-----	1.8
6- 6	do	-----	-----	-----	.0
7-19	O. R. Benner	-----	-----	-----	.0
7-25	do	-----	-----	-----	.0
8- 8	do	-----	-----	-----	.0
8-26	do	-----	-----	-----	.0
DICKINSON CANAL—D-969					
Diverted from Lodgepole Creek—Sec. 26-14-47 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	0
6- 6	do	-----	-----	-----	.0
8- 8	O. R. Benner	-----	-----	-----	.0
8-26	do	-----	-----	-----	.0
DODD-McDOWELL CANAL—A-1276					
Diverted from Little Cottonwood Creek—Sec. 13-32-53 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
DOUT BROTHERS CANAL—D-981					
Diverted from Jim Creek—Sec. 7-33-56 W.					
Measurements Made below Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
5-14	do	-----	-----	-----	.0
DOUT CANAL—A-2000					
Diverted from Jim Creek—Sec. 7-33-56 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
4-16	do	1.4	0.57	-----	.8
5-14	do	1.2	1.17	-----	1.4
DOUT BROTHERS CANAL—A-2002					
Diverted from Jim Creek—Sec. 7-33-56 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
5-14	do	-----	-----	-----	.0
DROBNY PUMP—A-2995					
Diverted from Middle Loup River—Sec. 35-18-17 W.					
Measurements Made at Pump Site					
8-22	B. A. Nelson	-----	-----	-----	0.0
DUKE PUMP—A-2051					
Diverted from Muddy Creek—Sec. 31-15-17 W.					
Measurements Made at Pump Site					
8-15	B. A. Nelson	0.8	1.46	-----	1.2
DUNN CANAL—A-649					
Diverted from Little Cottonwood Creek—Sec. 9-32-52 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0
11-15	do	-----	-----	-----	.0
EARNEST CANAL NO. 1—D-514a					
Diverted from Niobrara River—Sec. 9-29-56 W.					
Measurements Made near Headgate					
10-11	C. E. Franklin	-----	-----	-----	0.0
10-27	do	10.0	1.11	-----	11.1
4-17	do	4.6	.94	-----	4.3
5-15	do	5.8	.89	-----	5.1

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
EARNEST CANAL NO. 2—D-514b					
Diverted from Niobrara River—Sec. 9-29-56 W.					
Measurements Made at Headgate					
10-11	C. E. Franklin	5.8	1.26	—	7.3
10-27	do	—	—	—	.0
4-17	do	5.2	1.14	—	5.9
5-15	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.					
5-20	K. N. Andrews	—	—	—	0.0
5-24	S. M. Christensen	—	—	—	.0
6- 4	K. N. Andrews	—	—	—	.0
7- 9	S. M. Christensen	1.9	0.79	—	1.5
7-16	K. N. Andrews	3.1	1.16	—	3.6
8-13	O. R. Benner	15.4	.99	—	15.3
9-11	Ratliff-Hanks	3.6	1.20	—	4.3
ENGELL-SIMS PUMP—A-2908					
Diverted from Frenchman River—Sec. 17-5-35 W.					
Measurements Made at Pump Site					
7- 2	J. N. Walburn	—	—	—	0.0
ENTERPRISE CANAL—D-461					
Diverted from Niobrara River—Sec. 27-29-50 W.					
Measurements Made at Headgate					
11-12	C. E. Franklin	—	—	—	0.0
7- 9	O. R. Benner	—	—	—	.0
ENTERPRISE CANAL—D-920 (O. D. A-2409)					
Diverted from Winters Creek—Sec. 8-22-54 W.					
Measurements Made at Rating Flume					
5-21	K. N. Andrews	2.2	0.77	—	1.7
7- 2	do	—	—	—	.0
7-15	do	5.5	.43	—	2.3
7-24	do	2.3	1.13	—	2.6
8- 6	do	2.4	1.17	—	2.8
8-14	do	2.8	1.18	—	3.3
8-23	do	2.2	.91	—	2.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
EXCELSIOR CANAL—D-568, A-2264					
Diverted from Niobrara River—Sec. 10-28-52 W.					
Measurements Made at Headgate					
10-12	C. E. Franklin	8.4	0.18	-----	1.5
10-24	do	8.2	.21	-----	1.7
5-16	do	8.0	.30	-----	2.4
6-14	do	8.4	.37	-----	3.1
FARMERS CANAL—D-10					
Diverted from Frenchman River—Sec. 11-3-32 W.					
Measurements Made at Headgate					
6-8	J. N. Walburn	-----	-----	-----	0.0
FARMERS MUTUAL INSURANCE COMPANY PUMP—A-3381					
Diverted from Muddy Creek—Sec. 2-14-17 W.					
Measurements Made at Pump Site					
8-3	B. A. Nelson	-----	-----	-----	0.0
FENDRICK CANAL—A-617					
Diverted from Niobrara River—Sec. 32-29-48 W.					
Measurements Made at Headgate					
7-16	O. R. Benner	-----	-----	-----	0.0
FINCH CANAL—D-964					
Diverted from Clear Creek—Sec. 4-15-41 W.					
Measurements Made at Rating Station					
9-9	Harrington-Hanks	-----	-----	-----	0.0
FISHER PUMP—A-3128					
Diverted from Muddy Creek—Sec. 34-13-15 W.					
Measurements Made at Pump Site					
8-2	B. A. Nelson	1.9	0.66	-----	1.3
FITZGERALD PUMP—A-2447					
Diverted from Red Willow Creek—Sec. 21-8-32 W.					
Measurements Made at Pump Site					
8-8	J. N. Walburn	-----	-----	-----	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					
5-14	J. N. Walburn	46.2	1.70	-----	78.5
6-4	do	-----	-----	-----	.0

**REPORT OF THE STATE ENGINEER
DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946**

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
FOLLETT-WITT PUMP—A-2805					
Diverted from Frenchman River—Sec. 35-5-34 W. Measurements Made at Pump Site					
7- 9	J. N. Walburn	-----	-----	-----	0.0
FLETCHER PUMP—A-2342					
Diverted from Beaver Creek—Sec. 24-2-23 W. Measurements Made at Pump Site					
6-27	J. N. Walburn	-----	-----	-----	0.0
FULLER PUMP—A-3425					
Diverted from Lodgepole Creek—Sec. 15-14-51 W. Measurements Made at Pump Site					
8-10	O. R. Benner	2.4	1.41	-----	3.4
8-28	do	-----	-----	-----	.0
FURMAN CANAL, NORTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W. Measurements Made at Headgate					
10-12	C. E. Franklin	-----	-----	-----	0.0
10-24	do	8.1	0.49	-----	4.0
11- 3	do	-----	-----	-----	.0
11-12	do	-----	-----	-----	.0
5- 6	do	-----	-----	-----	.0
6-14	do	-----	-----	-----	.0
7- 9	O. R. Benner	-----	-----	-----	.0
FURMAN CANAL, SOUTH—D-462					
Diverted from Niobrara River—Sec. 29-29-50 W. Measurements Made at Headgate					
10-12	C. E. Franklin	-----	-----	-----	0.0
10-24	do	-----	-----	-----	.0
11- 3	do	-----	-----	-----	.0
11-12	do	-----	-----	-----	.0
5- 6	do	-----	-----	-----	.0
6-14	do	10.2	1.04	-----	10.6
GALLUP CANAL—D-426					
Diverted from Chadron Creek—Sec. 15-33-49 W. Measurements Made at Headgate					
10- 8	C. E. Franklin	-----	-----	-----	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
GATCH CANAL—A-1220					
Diverted from Melbeta Drain—Sec. 25-21-54 W. Measurements Made at Headgate					
5-22	K. N. Andrews	—	—	—	0.0
5-31	do	—	—	—	.0
6-14	do	—	—	—	.0
6-22	do	—	—	—	.0
7- 6	do	—	—	—	.0
7-16	do	0.7	0.16	—	.1
7-26	do	2.2	.73	—	1.6
8- 6	do	.9	.70	—	.6
8-15	do	3.4	.68	—	2.3
GERD CANAL—A-3095					
Diverted from Sappa Creek—Sec. 35-2-21 W. Measurements Made at Headgate					
6-27	J. N. Walburn	—	—	—	0.0
GLASS PUMP—A-2973					
Diverted from Mud Creek—Sec. 1-13-16 W. Measurements Made at Pump Site					
8- 8	B. A. Nelson	—	—	—	0.0
GROTE CANAL—A-3451					
Diverted from Grote Reservoir, A-3172—Sec. 3-32-56 W. Measurements Made at Headgate					
10-25	C. E. Franklin	0.2	0.50	—	0.1
GRUVERS PUMP—A-2910					
Diverted from Frenchman River—Sec. 5-4-33 W. Measurements Made at Pump Site					
5-18	J. N. Walburn	—	—	—	0.0
GUNDERSON CANAL—D-305					
Diverted from Lodgepole Creek—Sec. 1-14-52 W. Measurements Made at Headgate					
10-15	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
11-21	do	—	—	—	.0
4-30	do	—	—	—	.0
5-22	do	2.0	0.90	—	1.8
6- 6	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HALL CANAL—D-478c					
Diverted from White River—Sec. 34-32-52 W.					
Measurements Made at Headgate					
10- 9	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0
11-15	do	11.1	0.83	-----	9.2
4-28	do	-----	-----	-----	.0
5-11	do	-----	-----	-----	.0
6-12	do	-----	-----	-----	.0
HALL PUMP—A-2792					
Diverted from Muddy Creek—Sec. 15-15-18 W.					
Measurements Made at Pump Site					
8-15	B. A. Nelson	-----	-----	-----	0.0
HANDEL PUMP—A-3112					
Diverted from Frenchman River—Sec. 8-4-33 W.					
Measurements Made at Pump Site					
5-18	J. N. Walburn	-----	-----	-----	0.0
HARPER CANAL—A-2316					
Diverted from Clear Creek—Sec. 32-16-41 W.					
Measurements Made at Headgate					
5-30	S. M. Christensen	-----	-----	-----	0.0
6- 6	do	-----	-----	-----	.0
9- 9	do	-----	-----	-----	.0
9-30	P. D. Harrington	-----	-----	-----	.0
HARRIS-NEECE CANAL—D-517, A-2275					
Diverted from Niobrara River—Sec. 3-28-55 W.					
Measurements Made at Headgate					
10-12	C. E. Franklin	8.0	1.55	1.50	12.4
10-27	do	10.3	.97	-----	10.5
5-15	do	8.8	1.39	-----	12.2
7-11	O. R. Benner	9.5	.89	-----	8.4
HARRY CANAL—A-2179					
Diverted from Norman Reservoir—Sec. 16-32-50 W.					
Measurements Made at Headgate					
11-14	C. E. Franklin	-----	-----	-----	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HARTZELL CANAL—D-448					
Diverted from Little Bordeaux Creek—Sec. 13-33-48 W.					
Measurements Made at Headgate					
10-19	C. E. Franklin	—	—	—	0.0
5-7	do	—	—	—	.0
5-25	do	—	—	—	.0
6-6	do	—	—	—	.0
HELM PUMP—A-1042					
Diverted from Red Willow Creek—Sec. 8-3-28 W.					
Measurements Made at Pump Site					
6-14	J. N. Walburn	—	—	—	0.0
HENRY HEERMANN PUMP—A-3201					
Diverted from Mud Creek—Sec. 2-12-15 W.					
Measurements Made at Pump Site					
8-1	B. A. Nelson	1.4	0.15	—	1.6
HESTERWORTH CANAL—A-1332					
Diverted from Driftwood Creek—Sec. 14-2-30 W.					
Measurements Made at Headgate					
6-14	J. N. Walburn	—	—	—	0.0
HIGH LINE CANAL—A-1682					
Diverted from Jim Creek—Sec. 13-33-57 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
5-14	do	—	—	—	.0
HITSHEW CANAL—A-2509, A-1260					
Diverted from Niobrara River—Sec. 6-28-52 W.					
Measurements Made at Headgate					
10-12	C. E. Franklin	—	—	—	0.0
5-6	do	—	—	—	.0
6-14	do	4.9	1.04	—	5.1
7-11	O. R. Benner	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HOLCOMBE CANAL, EAST—D-636					
Diverted from Pawnee Creek—Sec. 13-13-28 W.					
Measurements Made at Rating Flume					
4-19	D. B. Ender	—	—	0.15	0.5
5- 6	do	1.6	0.25	.16	.4
5-17	do	1.9	.25	.15	.2
5-29	do	1.5	.80	.41	1.2
6-27	do	1.5	1.13	.48	1.7
7-10	do	1.5	1.13	.44	1.7
7-26	do	.8	.76	.25	.6
8- 8	do	1.5	.93	.46	1.4
8-21	do	1.4	.74	.55	1.1
9- 5	do	1.9	.46	.60	.9
9-18	do	1.8	.56	.67	1.0
HOLLINGSWORTH CANAL—D-723					
Diverted from South Platte River—Sec. 7-13-38 W.					
Measurements Made at Rating Station					
4-25	J. H. Hintz	—	—	—	0.0
5-24	Hintz-Ender	—	—	—	.0
6- 6	J. H. Hintz	—	—	—	.9
6-24	do	3.8	0.66	—	2.5
7- 8	do	8.3	1.29	—	10.7
7-15	do	6.1	1.02	—	6.2
7-22	do	5.9	.88	—	5.2
7-29	do	6.2	.87	—	5.4
8- 5	do	2.9	1.10	—	3.2
8-12	do	1.9	1.31	—	2.5
8-19	do	1.5	1.07	—	1.6
8-26	do	4.9	.88	—	4.3
9- 3	do	3.8	.95	—	3.6
9- 9	do	18.0	1.11	—	20.0
9-16	do	1.1	.89	—	1.0
9-23	do	.2	.90	—	.2
9-30	do	—	—	—	.0
HOOVER CANAL—D-353					
Diverted from Lodgepole Creek—Sec. 12-14-59 W.					
Measurements Made at Headgate					
10-16	C. E. Franklin	—	—	—	0.0
10-29	do	—	—	—	.0
11-21	do	—	—	—	.0
4-30	do	1.2	1.86	—	2.1
5-17	do	3.5	.57	—	2.0
5-31	do	—	—	—	.0
8- 9	O. R. Benner	—	—	—	.0
8-27	Benner-Hanna	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HOPEFUL CANAL—A-2135					
Diverted from Lawrence Fork—Sec. 1-18-52 W.					
Measurements Made at Headgate					
8-16	Hanks-Christensen	—	—	—	0.0
HORSE CREEK CANAL—D-173, D-159					
Diverted from Horse Creek—Sec. 23-1-39 W.					
Measurements Made at Headgate					
6-7	J. N. Walburn	—	—	—	0.0
HOUCHIN PUMP—A-3131					
Diverted from Republican River—Sec. 15-1-9 W.					
Measurements Made at Pump Site					
7-26	J. N. Walburn	—	—	—	0.0
HOWARD CANAL—D-336, A-1645					
Diverted from Lodgepole Creek—Sec. 31-14-47 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
11-23	do	—	—	—	.0
5-4	do	—	—	—	.0
5-22	do	—	—	—	.0
6-6	do	—	—	—	.0
HOYT PUMP—A-2780					
Diverted from Driftwood Creek—Sec. 24-2-31 W.					
Measurements Made at Pump Site					
5-18	J. N. Walburn	—	—	—	0.0
HUGHES CANAL—D-987a, D-987b					
Diverted from Niobrara River—Sec. 1-28-52 W.					
Measurements Made at Headgate					
10-12	C. E. Franklin	—	—	—	0.0
10-24	do	—	—	—	.0
5-16	do	—	—	—	.0
6-14	do	—	—	—	.0
7-11	O. R. Benner	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
HURLEY-LILLY-POLLY CANAL—D-354					
Diverted from Lodgepole Creek—Sec. 26-15-56 W.					
Measurements Made at Rating Flume					
10-16	C. E. Franklin	3.2	0.56	—	1.8
10-29	do	—	—	—	.0
11-21	do	—	—	—	.0
4-19	do	4.6	1.32	—	6.1
4-29	do	2.8	1.46	—	4.1
5-17	Franklin-Hanna	—	—	—	.0
5-31	C. E. Franklin	2.5	1.60	0.36	4.0
8- 9	O. R. Benner	3.4	.53	.08	1.3
8-27	do	2.0	.81	.16	1.5
INDEPENDENT CANAL—D-343					
Diverted from Lodgepole Creek—Sec. 7-14-58 W.					
Measurements Made at Headgate					
10-16	C. E. Franklin	—	—	—	0.0
10-29	do	—	—	—	.0
11-21	do	—	—	—	.0
4-30	do	4.1	0.78	—	3.2
5-17	Franklin-Hanna	4.9	.41	—	2.0
5-31	C. E. Franklin	2.3	1.13	—	2.6
8- 9	O. R. Benner	3.8	.40	—	1.5
8-27	do	3.3	.55	—	1.8
INMAN CANAL—D-79, A-436					
Diverted from Frenchman River—Sec. 17-6-40 W.					
Measurements Made at Rating Flume					
6-20	J. N. Walburn	—	—	—	11.3
8-24	do	—	—	—	.0
JAMES CANAL—A-2719, A-3318					
Diverted from James Reservoir, A-2559—Sec. 28-2-15 W.					
Measurements Made at Headgate					
8-23	J. N. Walburn	—	—	—	0.0
JENKINS CANAL—A-924					
Diverted from Buffalo Creek—Sec. 18-1-40 W.					
Measurements Made at Headgate					
6- 7	J. N. Walburn	—	—	—	0.0
6-11	do	—	—	—	.0
8- 1	do	1.9	0.12	—	.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
JOHNSON CANAL—D-511					
Diverted from Niobrara River—Sec. 36-31-57 W.					
Measurements Made at Headgate					
10-11	C. E. Franklin	5.1	1.00	—	5.1
10-27	do	—	—	—	.0
4-17	do	—	—	—	.0
5-15	do	6.6	2.32	—	15.3
7-11	O. R. Benner	—	—	—	.0

JOHNSON CANAL—A-612					
Diverted from Lodgepole Creek—Sec. 23-13-45 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	—	—	—	0.0
10-31	do	—	—	—	.0
11-23	do	—	—	—	.0
5- 3	do	—	—	—	.0
5-20	do	—	—	—	.0
6- 4	do	—	—	—	.0

JOHNSON PUMP—A-1934					
Diverted from Turkey Creek—Sec. 5-3-21 W.					
Measurements Made at Pump Site					
8- 2	J. N. Walburn	—	—	—	0.0

JONES CANAL—A-3392					
Diverted from Lodgepole Creek—Sec. 36-14-49 W.					
Measurements Made below Headgate					
10-15	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
11-21	do	—	—	—	.0
5- 4	do	—	—	—	.0
5-22	do	—	—	—	.0
6- 6	do	—	—	—	.0
8- 8	O. R. Benner	—	—	—	.0
8-26	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
JORDAN CANAL—A-2032					
Diverted from Monroe Creek—Sec. 22-33-56 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
11-27	do	—	—	—	.0
4- 6	Franklin-Rasmussen	0.7	0.85	—	.6
4- 9	do	.6	.72	—	.4
4-28	do	.3	1.21	—	.4
5-13	do	.8	2.22	—	1.7
6-13	C. E. Franklin	.1	.38	—	.0
8- 2	O. R. Benner	—	—	—	.0
8-17	do	—	—	—	.0
JORDAN CANAL—A-841					
Diverted from Monroe Creek and Jordan Reservoir—Sec. 13-33-56 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
4-16	do	—	—	—	.0
5-13	Franklin-Rasmussen	—	—	—	.0
8- 2	O. R. Benner	—	—	—	.0
8-17	do	—	—	—	.0
CORNELIOUS JORDAN CANAL—A-1470					
Diverted from Jordan Reservoir—Sec. 13-33-56 W.					
Measurements Made at Headgate					
5-13	Franklin-Rasmussen	—	—	—	0.0
7-10	O. R. Benner	—	—	—	.0
8- 2	do	—	—	—	.0
8- 7	do	—	—	—	.0
8-17	do	—	—	—	.0
JUNGLES PUMP—A-3229					
Diverted from Mud Creek—Sec. 12-12-15 W.					
Measurements Made at Pump Site					
8- 1	B. A. Nelson	0.6	1.34	—	0.7
KARA LAKE CANAL—D-138					
Diverted from Rock Creek—Sec. 20-1-30 W.					
Measurements Made at Headgate					
6- 7	J. N. Walburn	—	—	—	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KEESTER PUMP—A-3348					
Diverted from Milrose Creek—Sec. 9-2-19 W. Measurements Made at Pump Site					
7-11	J. N. Walburn	-----	-----	-----	0.0
KEITH-LINCOLN COUNTY CANAL SPILL					
Sec. 23-14-34 W.					
10-11	A. C. Hilpert	-----	-----	-----	0.0
10-22	do	-----	-----	-----	.0
10-31	do	-----	-----	-----	.0
4-23	J. H. Hintz	-----	-----	-----	.0
7-10	do	-----	-----	-----	.0
7-17	do	-----	-----	-----	.0
KELDSO PUMP—A-3162					
Diverted from Fox Creek—Sec. 8-8-28 W. Measurements Made at Pump Site					
7-12	J. N. Walburn	-----	-----	-----	0.0
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					
10- 3	C. E. Franklin	-----	-----	-----	0.0
10-19	do	-----	-----	-----	.0
11-13	do	-----	-----	-----	.0
5- 7	do	-----	-----	-----	.0
5-25	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
KENT-BURKE CANAL, WEST—A-1694					
Diverted from Pawnee Creek—Sec. 18-13-27 W. Measurements Made at Rating Flume					
4-19	D. B. Ender	-----	-----	-----	0.0
5- 6	do	4.2	0.50	0.76	2.1
5-17	do	2.4	.75	.68	1.8
5-29	do	2.7	.59	.66	1.6
6-27	do	-----	-----	-----	.0
7-10	do	2.0	.75	.49	1.5
7-26	do	2.6	.85	.64	2.2
8- 8	do	-----	-----	-----	.0
8-21	do	3.0	.93	.76	2.8
9- 5	do	3.5	.80	.90	2.8
9-18	do	3.9	1.03	1.02	4.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KERR PUMP—A-3621					
Diverted from Melrose Creek—Sec. 8-2-19 W.					
Measurements Made at Pump Site					
7-11	J. N. Walburn	-----	-----	-----	0.0
KEYSTONE CANAL—D-730, A-662b, A-843, A-1003					
Diverted from White Tail Creek—Sec. 26-15-38 W.					
Measurements Made at Headgate					
4-25	J. H. Hintz	-----	-----	-----	0.0
6- 7	do	-----	-----	-----	.0
KILPATRICK RESERVOIR CANAL—A-1160					
Diverted from Kilpatrick Reservoir—Sec. 30-6-39 W.					
Measurement Made near Reservoir Outlet—Sec. 30-6-39 W.					
5- 5	J. N. Walburn	4.9	0.96	-----	4.7
KIMBALL CANAL, NORTH—A-897					
Diverted from Lodgepole Creek and Oliver Reservoir—Sec. 36-15-57 W.					
Measurements Made below Headgate—Sec. 36-15-57 W.					
10-16	C. E. Franklin	-----	-----	-----	0.0
10-29	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-29	do	-----	-----	-----	.0
5-17	do	-----	-----	-----	.0
5-31	do	-----	-----	-----	.0
8- 9	O. R. Benner	15.8	0.92	2.06	14.6
8-27	do	-----	-----	-----	.0
KIMBALL CANAL, SOUTH—A-897					
Diverted from Lodgepole Creek and Oliver Reservoir—A-897					
Measurements Made at Headgate—Sec. 36-15-57 W.					
10-16	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-29	do	-----	-----	-----	.0
5-17	do	-----	-----	-----	.0
5-31	do	-----	-----	-----	.0
8- 9	O. R. Benner	19.0	1.23	2.18	23.3
8-27	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KING CANAL, WEST—A-1440					
Diverted from Lawrence Fork—Sec. 15-18-52 W.					
Measurements Made at Headgate					
8-16	Christensen-Hanks	-----	-----	-----	0.0
KING CANAL, EAST—A-1587					
Diverted from Lawrence Fork—Sec. 15-18-52 W.					
Measurements Made at Headgate					
8-16	Christensen-Hanks	-----	-----	-----	0.0
KINNEY CANAL, SOUTH NO. 1—D-345, D-350, A-718R, A-1828					
Diverted from Lodgepole Creek—Sec. 31-15-56 W.					
Measurements Made at Headgate					
10-16	C. E. Franklin	1.0	0.30	-----	0.3
10-29	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-29	do	-----	-----	-----	.0
5-17	Franklin-Hanna	-----	-----	-----	.0
5-31	C. E. Franklin	2.3	1.52	0.68	3.5
8- 9	O. R. Benner	5.0	.48	-----	2.4
8-27	do	4.4	.52	1.17	2.3
KINNEY CANAL, NORTH NO. 2—D-348, A-718					
Diverted from Lodgepole Creek—Sec. 33-15-56 W.					
Measurements Made at Headgate					
10-16	C. E. Franklin	-----	-----	-----	0.0
10-29	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-29	do	-----	-----	-----	.0
5-17	Franklin-Hanna	-----	-----	-----	.0
5-31	C. E. Franklin	-----	-----	-----	.0
8- 9	O. R. Benner	-----	-----	-----	.0
8-27	Benner-Hanna	-----	-----	-----	.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					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
1-11	do	0.6	0.33	-----	.2
2-14	do	2.0	.49	-----	1.0
2-27	do	1.2	.67	-----	.8
3- 9	do	1.6	.44	-----	.7
4-16	do	-----	-----	-----	.0
5-13	Franklin-Rasmussen	-----	-----	-----	.0
7-10	O. R. Benner	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
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KRAUSNICK PUMP—A-2705

Diverted from Frenchman River—Sec. 3-5-37 W.

Measurements Made at Pump Site

7- 2	J. N. Walburn	—	—	—	0.0
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KRUEGER CANAL NO. 1—D-325, D-968

Diverted from Lodgepole Creek—Sec. 29-14-48 W.

Measurements Made at Headgate

10-15	C. E. Franklin	—	—	—	0.8
10-30	do	2.0	1.15	—	2.3
11-23	do	—	—	—	.0
5- 4	do	—	—	—	4.1
5-22	do	—	—	—	4.8
6- 6	do	1.0	.70	—	.7
7-25	O. R. Benner	3.4	.47	—	1.6
8- 8	do	—	—	—	.0
8- 8	do	2.2	.81	—	1.8
8- 8	do	.4	.80	—	.4
8-20	Christensen-Hanks	—	—	—	.0
8-26	O. R. Benner	—	—	—	.0
8-26	do	—	—	—	.0
9- 4	E. S. Kimmel	2.9	.55	—	1.6
9-25	Kimmel-Ratliff	5.5	.71	—	3.9

KRUEGER CANAL NO. 2—D-324

Diverted from Lodgepole Creek—Sec. 32-14-48 W.

Measurements Made at Headgate

10-15	C. E. Franklin	2.5	0.56	—	1.4
10-30	do	—	—	—	.0
11-23	do	—	—	—	0
5-22	do	3.2	.62	—	2.0
6- 6	do	2.9	.41	—	1.2
7-25	O. R. Benner	—	—	—	.0
8- 8	do	—	—	—	0
8-20	Christensen-Hanks	—	—	—	.1
8-26	O. R. Benner	2.2	.67	—	3.5
9- 4	E. S. Kimmel	—	—	—	.2
9-25	Kimmel-Ratliff	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
KRUEGER CANAL NO. 3—D-323					
Diverted from Lodgepole Creek—Sec. 32-14-48 W.					
Measurements Made at Headgate					
10-15	C. E. Franklin	3.1	0.42	-----	1.3
10-30	do	3.5	.51	-----	1.8
11-23	do	2.8	.61	-----	1.7
5-22	do	-----	-----	-----	.0
6- 6	do	4.9	1.26	-----	6.2
7-25	O. R. Benner	-----	-----	-----	.0
8- 8	do	-----	-----	-----	.0
8-20	Christensen-Hanks	-----	-----	-----	.0
8-26	O. R. Benner	-----	-----	-----	.0
9- 4	E. S. Kimmel	5.3	.38	-----	2.0
9-25	Kimmel-Ratliff	-----	-----	-----	.0
LaBELLE CANAL—D-518, A-60					
Diverted from Niobrara River—Sec. 6-28-54 W.					
Measurements Made at Headgate					
10-12	C. E. Franklin	4.4	1.59	-----	7.0
10-27	do	6.2	1.98	-----	12.3
5-15	do	5.3	1.34	-----	7.1
7-11	O. R. Benner	-----	-----	-----	.0
LAING CANAL—D-825					
Diverted from Lawrence Fork—Sec. 28-18-52 W.					
Measurements Made at Headgate					
8-16	Christensen-Hanks	0.7	0.87	-----	0.6
LANE PUMP—A-3550					
Diverted from Beaver Creek—Sec. 25-2-21 W.					
Measurements Made at Pump Site					
6-27	J. N. Walburn	-----	-----	-----	0.0
LAKOTAH CANAL—D-554					
Diverted from Niobrara River—Sec. 1-30-57 W.					
Measurements Made at Headgate					
10-11	C. E. Franklin	-----	-----	-----	0.0
10-27	do	6.1	0.97	-----	5.9
4-17	do	8.8	1.20	-----	10.6
5-15	do	-----	-----	-----	.0
7-11	O. R. Benner	8.2	.44	-----	3.6
LANG PUMP—A-2445					
Diverted from Muddy Creek—Sec. 13-14-17 W.					
Measurements Made at Pump Site					
8- 3	B. A. Nelson	1.8	0.94	-----	1.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
LARSEN PUMP—A-1898					
Diverted from Muddy Creek—Sec. 17-4-23 W. Measurements Made at Pump Site					
6-22	J. N. Walburn	—	—	—	0.9
LARSEN PUMP—A-3750					
Diverted from Muddy Creek—Sec. 13-33-15 W. Measurements Made at Pump Site					
8- 2	B. A. Nelson	1.6	1.68	—	2.6
LARSEN PUMP—A-3751					
Diverted from Muddy Creek—Sec. 28-13-15 W. Measurements Made at Pump Site					
8- 2	B. A. Nelson	1.4	2.01	—	2.7
LAST CHANCE CANAL—D-883					
Diverted from Pumpkinseed Creek—Sec. 27-19-50 W. Measurements Made at Rating Flume					
5-13	J. P. Clark	—	—	—	0.0
5-17	do	5.0	1.52	0.98	7.6
5-24	S. M. Christensen	—	—	—	.0
7- 1	Benner-Christensen	3.0	1.27	.80	3.8
7- 9	S. M. Christensen	5.4	1.15	.86	6.2
7-18	O. R. Benner	3.0	.93	.74 0.76	2.8
8-23	do	6.6	1.26	1.02 1.02	8.3
8-29	P. D. Harrington	1.8	.83	.80 —	1.5
9-14	do	6.6	1.09	1.12 —	7.2
9-27	do	3.2	.81	.55 —	2.6
LEE CANAL—D-973					
Diverted from Boardman Creek—Sec. 6-29-33 W. Measurements Made 200 feet below Headgate					
4-23	D. B. Ender	4.1	0.41	—	1.7
LEUI PUMP—A-2935					
Diverted from Wagner Creek—Sec. 3-18-17 W. Measurements Made at Pump Site					
6-24	B. A. Nelson	—	—	—	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

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					
10-13	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
11-23	do	—	—	—	.0
2- 6	do	3.6	0.65	—	2.4
4-22	do	—	—	—	.3
5- 4	do	—	—	—	.0
5-22	do	—	—	—	.0
6- 4	do	—	—	—	.0

LIBBY CANAL—D-315					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
11-23	do	3.0	2.00	—	6.0
4-22	do	.6	.72	—	.4
5- 4	do	—	—	—	.0
5-22	do	—	—	—	.0
6- 4	do	—	—	—	.0

LIBBY CANAL—D-314					
Diverted from Lodgepole Creek—Sec. 36-14-47 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	1.2	0.75	—	0.9
10-30	do	—	—	—	.0
11-23	do	—	—	—	.0
4-22	do	—	—	—	.3
5- 4	do	—	—	—	.0
5-22	do	—	—	—	.0
6- 4	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
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- 2	C. E. Franklin	7.5	1.04	—	7.8
10-10	A. W. Hall	6.5	1.11	—	7.2
10-18	C. E. Franklin	10.5	.62	—	6.5
11- 3	do	7.4	.97	—	7.2
11-12	do	3.5	1.14	—	4.0
11-26	do	5.1	1.37	—	7.0
12-15	do	—	—	—	.0
5- 6	do	7.0	1.06	—	7.4
5-24	do	4.6	1.78	—	8.2
6- 6	do	7.0	.94	—	6.6
7-29	O. R. Benner	11.8	.61	1.13	7.2
8-14	do	11.0	1.03	.99	11.3
8-21	Benner-Hanks	11.2	1.27	.99	14.2
9-17	Ratliff-Hanks	—	—	.08	0
LICHTE CANAL					
Diverted from Niobrara River—Sec. 27-29-48 W.					
Measurements Made at Headgate					
6- 7	E. S. Kimmel	1.8	1.06	—	1.9
LICHTE CANAL—A-1086, A-1088, A-1152, A-2523					
Diverted from Niobrara River—Sec. 27-29-48 W.					
Measurements Made at Rating Station 20 feet below Dam					
6- 7	E. S. Kimmel	7.7	1.08	—	8.3
LICHTE CANAL—A-1086, A-1088, A-1152, A-2523					
Diverted from Niobrara River—Sec. 26-29-48 W.					
Measurements Made one mile below Headgate					
6- 7	E. S. Kimmel	4.2	1.69	—	7.1
LUNDY, DORIS, POWER CANAL—D-1024, A-1224					
Diverted from Middle Loup River—Sec. 4-19-19 W.					
Measurements Made below Spillway					
5- 6	E. A. Nelson	23.3	1.14	—	26.7
6- 4	do	—	—	—	.0
LUTHER PUMP—A-2794					
Diverted from Muddy Creek—Sec. 25-15-18 W.					
Measurements Made at Pump Site					
8-15	B. A. Nelson	—	—	—	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
LYNCH-BUKER PUMP—A-3287					
Diverted from Medicine Creek—Sec. 12-6-27 W.					
Measurements Made at Pump Site					
7-31	J* N. Walburn	-----	-----	-----	0.0
LYNGHOLM CANAL—D-337					
Diverted from Lodgepole Creek—Sec.14-14-51 W.					
Measurements Made at Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-30	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
8-11	O. R. Benner	-----	-----	-----	.9
8-28	do	-----	-----	-----	.0
McAULIFFE CANAL—D-814					
Diverted from Lodgepole Creek—Sec. 21-13-45 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.9
5- 4	do	-----	-----	-----	.0
5-20	do	-----	-----	-----	.9
6- 4	do	-----	-----	-----	.0
McAULIFFE CANAL—A-1559					
Diverted from Lodgepole Creek—Sec. 21-13-45 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.9
5-20	do	-----	-----	-----	.0
6- 4	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
McCARTHY CANAL—D-749					
Diverted from White Tail Creek—Sec. 36-15-38 W.					
Measurements Made at Headgate					
4-25	J. H. Hintz	0.8	1.48	-----	1.3
5- 9	Hintz-Ender	-----	-----	-----	.0
5-23	J. H. Hintz	1.0	1.15	-----	1.1
6- 7	do	1.7	1.71	-----	2.9
6-21	do	1.2	1.50	-----	1.8
7-12	do	-----	-----	-----	.0
7-26	do	-----	-----	-----	.0
8- 2	do	2.0	1.65	-----	3.3
8-15	do	1.7	1.59	-----	2.7
9- 6	do	.6	.67	-----	.4
9-20	do	-----	-----	-----	.0
9-27	do	.5	.64	-----	.3
McCARTHY PUMP—A-3564					
Diverted from Sappa Creek—Sec. 10-1-22 W.					
Measurements Made at Pump Site					
8- 2	J. N. Walburn	-----	-----	-----	0.0
McDONALD CANAL—A-644					
Diverted from Republican River—Sec. 36-1-38 W.					
Measurements Made at Headgate					
6- 7	J. N. Walburn	-----	-----	-----	0.0
8- 1	do	-----	-----	-----	.0
McFADDEN PUMP—A-3677					
Diverted from Muddy Creek—Sec. 35-14-16 W.					
Measurements Made at Pump Site					
8- 8	B. A. Nelson	0.5	2.16	-----	1.1
McFARLAND CANAL—D-960					
Diverted from White Clay Creek—Sec. 35-32-52 W.					
Measurements Made at 2-foot Weir					
10- 9	C. E. Franklin	-----	-----	-----	0.0
10-26	do	0.5	2.00	-----	1.0
11-15	do	.6	1.33	-----	.8
McGINLEY-STOVER CANAL, UPPER—D-521					
Diverted from Niobrara River—Sec. 23-29-56 W.					
Measurements Made at Headgate					
10-11	C. E. Franklin	-----	-----	-----	0.0
10-27	do	-----	-----	-----	.0
4-17	do	-----	-----	-----	.9
5-15	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
McGINLEY-STOVER CANAL, NORTH—D-513a					
Diverted from Niobrara River—Sec. 25-29-56 W.					
Measurements Made at Headgate					
10-11	C. E. Franklin	0.4	0.75	—	0.3
10-27	do	7.4	.28	—	2.1
4-17	do	—	—	—	.0
5-15	do	12.6	.60	—	7.6
7-11	O. R. Benner	—	—	—	.0
McGINLEY-STOVER CANAL, SOUTH—D-513b					
Diverted from Niobrara River—Sec. 25-29-56 W.					
Measurements Made at Headgate					
10-11	C. E. Franklin	9.4	0.77	—	7.2
10-27	do	4.4	1.07	—	4.7
4-17	do	—	—	—	.0
5-15	do	—	—	—	.9
M. F. McKEON PUMP—A-3895					
Diverted from Mud Creek—Sec. 3-12-15 W.					
Measurements Made at Pump Site					
8-2	B. A. Nelson	1.6	0.87	—	1.4
McINTOSH CANAL—D-351, A-734					
Diverted from Lodgepole Creek—Sec. 23-15-55 W.					
Measurements Made at Headgate					
10-30	C. E. Franklin	—	—	—	0.9
11-21	do	—	—	—	.0
4-30	do	—	—	—	.0
5-17	Franklin-Hanna	2.4	1.17	1.00	2.8
8-10	O. R. Benner	4.0	.45	1.51	1.8
8-27	Hanna-Benner	3.0	.75	1.20	2.2
McLAUGHLIN CANAL—D-566					
Diverted from Niobrara River—Sec. 9-28-52 W.					
Measurements Made at Headgate					
10-12	C. E. Franklin	6.3	1.02	—	6.4
10-24	do	4.5	.58	—	2.6
5-16	do	1.6	.77	—	1.2
6-14	do	6.2	.39	—	2.4
7-11	O. R. Benner	7.2	.58	—	4.2

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
McLAUGHLIN CANAL—D-966					
Diverted from Niobrara River—Sec. 25-14-48 W.					
Measurements Made at Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.0
10-30	do	1.8	1.06	-----	1.9
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
7-19	O. R. Benner	-----	-----	-----	.0
7-25	do	-----	-----	-----	.0
8- 7	do	-----	-----	-----	.0
8-26	do	-----	-----	-----	.0
McLERNON CANAL—A-2027					
Diverted from Lodgepole Creek—Sec. 31-14-49 W.					
Measurements Made at Headgate					
8- 8	O. R. Benner	-----	-----	-----	0.0
8-26	do	-----	-----	-----	.0
McMILLAN CANAL—A-2477R, A-2797					
Diverted from Middle Loup River—Sec. 23-21-22 W.					
Measurements Made near Headgate					
5-28	B. A. Nelson	3.9	0.69	-----	2.7
6-11	do	3.4	.59	-----	2.0
6-24	do	4.4	.41	-----	1.8
7- 9	do	4.7	.39	-----	1.8
7-23	do	4.2	.33	-----	1.4
8- 6	do	5.8	.64	-----	3.7
8-21	do	2.8	.36	-----	1.0
9- 4	do	3.1	.48	-----	1.5
McMURTREY CANAL					
One Mile above Lee Dam—Sec. 12-29-34 W.					
4-23	D. B. Ender	-----	-----	-----	0.0
McNEIL PUMPS—A-3494					
Diverted from Mud Creek—Sec. 29-13-15 W.					
Measurements Made at Pump Site					
8- 8	B. A. Nelson	-----	-----	-----	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MARANVILLE CANAL—D-70, D-71					
Diverted from Frenchman River—Sec. 12-6-41 W.					
Measurements Made at Headgate					
6-20	J. N. Walburn	-----	-----	-----	0.0
8-24	do	2.9	0.68	-----	2.0
MARTENS PUMP—A-2801					
Diverted from Big Bordeaux Creek—Sec. 16-34-48 W.					
Measurements Made at Pump Site					
10- 3	C. E. Franklin	-----	-----	-----	0.0
10-19	do	-----	-----	-----	.0
11-13	do	-----	-----	-----	.0
MARTIN PUMP—A-3116					
Diverted from Republican River—Sec. 8-1-11 W.					
Measurements Made at Pump Site					
7-26	J. N. Walburn	-----	-----	-----	0.0
MAYWOOD MILLS—A-858					
Diverted from Medicine Creek—Sec. 16-8-29 W.					
Measurements Made at Headgate					
7-12	J. N. Walburn	-----	-----	-----	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					
5-18	J. N. Walburn	13.0	1.14	-----	14.8
8- 8	do	14.0	1.37	-----	19.2
MENDELL CANAL—A-2283, A-2934					
Diverted from Republican River—Sec. 35-1-7 W.					
Measurements Made at Headgate					
7-26	J. N. Walburn	-----	-----	-----	0.0
MEYER PUMP—A-3240					
Diverted from Republican River—Sec. 34-1-7 W.					
Measurements Made at Pump Site					
7-26	J. N. Walburn	-----	-----	-----	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

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					
10-24	C. E. Franklin	-----	-----	-----	0.0
11- 3	do	-----	-----	-----	.0
METTLEN CANAL—A-292, A-1248, A-2244					
Diverted from Niobrara River—Sec. 4-28-54 W.					
Measurements Made at Headgate					
10-12	C. E. Franklin	1.1	1.18	-----	1.3
10-27	do	1.8	1.16	-----	2.1
5-15	do	1.3	.77	-----	1.0
MICHEL PUMP—A-2042					
Diverted from Muddy Creek—Sec. 15-4-23 W.					
Measurements Made at Pump Site					
6-22	J. N. Walburn	-----	-----	-----	0.0
MIDDLE LOUP 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.					
4-26	Jones-Nelson	10.9	1.64	1.91	17.9
4-30	B. A. Nelson	12.0	1.82	1.99 1.99	21.8
5- 6	do	11.5	1.86	2.01 2.01	21.4
5-15	do	10.9	1.63	1.91 1.91	17.8
5-21	do	9.8	1.27	1.69 1.69	12.4
5-27	do	10.2	1.29	1.77 1.78	13.2
6- 4	do	9.1	.96	1.56 1.56	8.7
6-10	do	10.8	1.60	1.99 1.99	17.3
6-17	do	13.6	2.44	2.47 2.48	33.2
6-24	do	10.1	1.55	1.84 1.87	15.7
7- 1	do	10.1	1.61	1.87 1.84	16.3
7- 8	do	9.7	1.49	1.78 1.82	14.4
7-16	do	12.1	2.19	2.20 2.22	26.5
7-22	do	13.6	2.40	2.48 2.48	32.7
7-30	do	14.2	2.43	2.58 2.62	34.5
8- 5	do	14.9	2.46	2.71 2.73	36.6
8-13	do	13.8	2.30	2.50 2.54	31.7
8-19	Nelson-Bearline	14.4	2.33	2.62 2.64	33.6
8-27	do	12.4	2.17	2.26 2.27	26.9
9- 2	B. A. Nelson	10.0	1.52	1.82 1.88	15.2
9-11	do	7.6	1.28	1.60 1.61	9.7
9-17	do	5.4	1.41	1.42 1.42	7.6

*Gage height as indicated by water stage recorder.

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MIDDLE LOUP 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.					
4-26	Jones-Nelson	13.7	1.60	2.03 2.01	21.9
4-30	B. A. Nelson	15.9	1.85	2.19 2.19	29.4
5- 6	do	16.8	1.77	2.18 2.18	29.7
5-15	do	14.7	1.55	2.07 2.06	22.8
5-21	do	13.8	1.15	1.87 1.87	15.9
5-27	do	15.2	1.25	2.00 2.00	19.0
6- 4	do	11.3	.92	1.76 1.76	10.4
6-10	do	14.5	1.30	1.95 1.95	20.2
6-17	do	22.4	1.86	2.51 2.51	41.7
6-24	do	14.4	1.53	1.97 1.96	22.1
7- 1	do	14.5	1.52	1.97 1.97	22.0
7- 8	do	13.9	1.51	1.91 1.91	21.0
7-16	do	16.7	1.78	2.20 2.21	29.7
7-22	do	22.6	1.88	2.56 2.56	42.5
7-30	do	24.0	1.91	2.62 2.62	45.9
8- 5	do	26.7	2.13	2.90 2.90	56.9
8-13	do	22.3	2.04	2.56 2.56	45.6
8-19	Nelson-Beerline	22.4	2.04	2.54 2.56	45.8
8-27	do	21.8	1.94	2.54 2.53	42.4
9- 2	B. A. Nelson	16.4	1.83	2.24 2.24	30.0
9-11	do	13.7	1.38	1.99 1.99	18.9
9-17	do	11.9	1.39	1.90 1.92	16.6
MIDDLE LOUP 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.					
4-26	Jones-Nelson	23.6	1.64	1.62	38.6
4-30	B. A. Nelson	31.4	1.63	2.09 2.09	51.1
5- 8	do	26.0	1.41	1.70 1.70	36.6
5-15	do	24.5	1.50	1.63 1.62	36.9
5-22	do	17.1	.87	1.16 1.17	14.3
5-29	do	23.5	1.41	1.56 1.58	33.1
6- 5	do	20.8	1.27	1.40 1.38	26.4
6-10	do	30.5	1.64	2.01 1.98	50.0
6-17	do	37.8	2.03	2.48 2.48	76.8
6-24	do	18.1	1.12	1.33 1.33	20.2
7- 1	do	18.2	1.50	1.41 1.41	27.3
7- 8	do	21.1	1.52	1.50 1.48	32.0
7-16	do	32.6	2.00	2.16 2.16	65.4
7-22	do	31.6	1.90	2.14 2.14	60.2
7-31	do	36.9	2.38	2.66 2.64	87.7
8- 5	do	33.1	2.16	2.38 2.38	71.5
8-13	do	37.2	1.71	2.50 2.50	63.6
8-19	Nelson-Beerline	35.6	1.62	2.39 2.39	57.6

*Gage height as indicated by water stage recorder.

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height		Discharge Sec.-ft.
MIDDLE LOUP CANAL NO. 2—A-2293, A-2678—Concluded						
8-26	do	37.2	1.95	2.56	2.56	72.5
9- 2	B. A. Nelson	36.4	1.74	2.46	2.44	63.4
9-11	do	31.3	1.52	2.12	2.12	47.6
9-17	do	24.5	1.24	1.77	1.74	30.5
MIDDLE LOUP 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.						
4-26	Jones-Nelson	27.0	1.77	2.22	2.22	47.7
4-30	B. A. Nelson	30.8	1.75	2.41	2.41	53.8
5- 6	do	33.2	1.77	2.56	2.55	58.9
5-15	do	25.3	1.52	2.15	2.15	38.5
5-22	do	25.3	1.35	2.02	2.03	34.2
5-29	do	25.8	1.44	2.11	2.11	37.3
6- 5	do	23.7	1.28	1.95	1.89	30.2
6-10	do	28.0	1.56	2.26	2.27	43.8
6-17	do	37.6	2.05	3.01	3.01	77.0
6-24	do	26.7	1.47	2.24	2.23	39.3
7- 1	do	22.8	1.46	2.10	2.08	33.4
7- 8	do	23.5	1.77	2.46	2.46	52.2
7-16	do	33.0	1.89	2.76	2.76	62.4
7-22	do	29.0	1.93	2.64	2.63	56.1
7-31	do	38.6	2.17	3.26	3.24	83.8
8- 5	do	41.9	2.02	3.38	3.37	84.6
8-13	do	32.2	1.93	2.98	2.96	62.3
8-19	Nelson-Beerline	33.1	1.91	3.01	3.00	63.1
8-26	do	37.4	2.03	3.26	3.26	76.0
9- 2	B. A. Nelson	34.6	1.88	3.14	3.12	65.1
9-11	do	22.8	.98	2.36	2.33	22.4
9-17	do	21.8	.92	2.28	2.26	20.0
MINSHULL-KOHL'S PUMP—A-3625						
Diverted from Muddy Creek—Sec. 1-13-16 W.						
Measurements Made at Pump Site						
8- 8	B. A. Nelson	-----	-----	-----	-----	0.0
MIRAGE FLATS CANAL—A-2683, A-3729						
Diverted from Niobrara River—Sec. 26-29-48 W.						
Measurements Made at Rating Station						
6- 7	E. S. Kimmel	-----	-----	-----	-----	0.0
7-16	O. R. Benner	18.2	1.21	1.26	-----	21.3
7-29	do	23.7	1.79	1.66	-----	42.4
8-14	do	28.6	2.05	1.42	-----	53.8
8-21	Benner-Hanks	30.4	2.01	1.38	-----	61.0
9-17	Ratliff-Hanks	10.4	.53	.76	-----	.6

*Gage height as indicated by water stage recorder.

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

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 at Headgate					
8-10	O. R. Benner	-----	-----	-----	0.0
8-28	do	-----	-----	-----	.0
MONROE CANAL, BIG—D-506, A-2372					
Diverted from Monroe Creek—Sec. 33-3-56 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	1.2	1.00	-----	1.2
10-25	do	1.2	1.08	-----	1.3
11-27	do	1.2	1.00	-----	1.2
1-11	do	1.2	1.00	-----	1.2
1-29	Franklin-Rasmussen	1.6	.82	-----	1.3
2-14	C. E. Franklin	1.4	.96	-----	1.3
2-27	do	1.2	.73	-----	.9
3- 9	do	1.2	.84	-----	1.0
3-28	E. S. Kimmel	1.6	1.41	-----	2.3
4- 6	Franklin-Rasmussen	1.2	1.08	-----	1.3
4- 9	do	1.3	.92	-----	1.2
4- 9	do	1.2	1.33	-----	1.6
4-16	C. E. Franklin	-----	-----	-----	.0
4-28	do	-----	-----	-----	.0
5-13	do	.9	1.08	-----	.9
6-13	do	-----	-----	-----	.8
6-13	do	.6	1.01	-----	.7
7-10	O. R. Benner	1.2	1.17	-----	1.4
8- 2	do	.6	.67	0.16	.4
8-17	do	.8	1.04	.90	.8
MONTAGUE CANAL—A-575					
Diverted from Niobrara River—Sec. 27-29-48 W.					
Measurements Made at Headgate					
10- 2	C. E. Franklin	-----	-----	-----	0.0
10-18	do	-----	-----	-----	.0
11- 3	do	-----	-----	-----	.0
11-12	do	-----	-----	-----	.0
11-27	do	-----	-----	-----	.0
12-15	do	-----	-----	-----	.0
5- 6	do	-----	-----	-----	.0
5-24	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
7-16	O. R. Benner	-----	-----	-----	.0
7-29	do	3.4	0.65	0.88	2.2
8-14	do	2.7	.63	.71	1.7
8-21	Benner-Hanks	2.3	.68	.65	1.6
9-17	Ratliff-Hanks	10.1	1.13	.87	11.4

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
MONTAGUE-LICHTE CANAL—D-479					
Diverted from Niobrara River—Sec. 27-29-48 W. Measurements Made at Headgate					
7-16	O. R. Benner	11.2	0.63	1.41	7.1
MOORE CANAL—A-88					
Diverted from Niobrara River—Sec. 9-28-53 W. Measurements Made at Headgate					
10-12	C. E. Franklin	2.3	0.78	.....	1.8
10-27	do	3.4	1.12	.....	3.8
5-16	do	7.0	1.41	.....	9.9
6-14	do	.....	.....	.....	.0
7-11	O. R. Benner	.....	.....	.....	.0
MORRIS PUMP—A-2920					
Diverted from Beaver Creek—Sec. 11-1-26 W. Measurements Made at Pump Site					
6-14	J. N. Walburn	.....	.....	.....	0.0
MUHLBACH PUMP—A-3407					
Diverted from Mud Creek—Sec. 12-12-15 W. Measurements Made at Pump Site					
8- 1	B. A. Nelson	.....	.....	.....	0.0
MUTUAL CANAL—D-843					
Diverted from Pumpkinseed Creek—Sec. 33-19-52 W. Measurements Made at Rating Flume					
5-17	J. P. Clark	.....	.....	.....	0.0
7- 1	Benner-Christensen	.....	.....	.....	.0
NAAB PUMP—A-2091					
Diverted from North Loup River—Sec. 28-21-17 W. Measurements Made at Pump Site					
6-26	B. A. Nelson	.....	.....	.....	0.0
8-14	do	0.9	1.51	.....	1.4
NASLAND CANAL—A-661					
Diverted from Lodgepole Creek—Sec. 1-12-45 W. Measurements Made at Headgate					
10-13	C. E. Franklin	.....	.....	.....	0.0
10-31	do	.....	.....	.....	.0
11-23	do	.....	.....	.....	.0
5- 3	do	1.6	0.81	.....	1.3
5-20	do	.....	.....	.....	.3
6- 4	do	.....	.....	.....	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
NELSON PUMP—A-1865					
Diverted from Medicine Creek—Sec. 21-8-29 W. Measurements Made at Pump Site					
7-12	J. N. Walburn	-----	-----	-----	0.0
NELSON PUMP—A-3100					
Diverted from Mud Creek—Sec. 11-14-17 W. Measurements Made at Pump Site					
8- 3	B. A. Nelson	1.00	1.34	-----	1.3
NEUMAN CANAL—A-611, A-1445					
Diverted from Lodgepole Creek—Sec. 26-13-45 W. Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 3	do	-----	-----	-----	.0
5-20	do	-----	-----	-----	.0
6- 4	do	-----	-----	-----	.0
NEUMAN CANALS, NO. 1 AND NO. 2—A-565					
Diverted from Lodgepole Creek—Sec. 36-13-45 W. Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 3	do	-----	-----	-----	.0
5-20	do	-----	-----	-----	.0
6- 4	do	-----	-----	-----	.0
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.					
4-26	Jones-Nelson	-----	-----	-----	0.0
8-27	Nelson-Beerline	12.2	2.10	2.34	25.6
9- 5	B. A. Nelson	5.6	1.38	1.46	7.7
9-10	do	4.2	1.07	1.24	4.5
NIEHUS CANAL—A-550					
Diverted from Lawrence Fork—Sec. 11-18-52 W. Measurements Made at Headgate					
8-16	Christensen-Hanks	0.8	0.99	0.36	0.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
NISSEN PUMP—A-3630					
Diverted from Spring Creek—Sec. 21-3-20 W.					
Measurements Made at Pump Site					
7-11	J. N. Walburn	-----	-----	-----	0.0
NORMAN SUPPLY CANAL—A-1953					
Diverted from Indian Creek—Sec. 32-32-50 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	0.6	0.84	-----	0.5
10-23	do	-----	-----	-----	.0
11-14	do	1.0	.70	-----	.7
4-15	do	-----	-----	-----	.0
5-12	do	-----	-----	-----	.0
NORMAN SUPPLY CANAL—A-1952					
Diverted from Indian Creek—Sec. 32-32-50 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	-----	-----	-----	0.0
11-14	do	-----	-----	-----	.0
NORMAN CANAL—A-1604					
Diverted from Indian Creek—Sec. 24-32-52 W.					
Measurements Made at Headgate					
4-28	C. E. Franklin	3.1	0.94	-----	2.9
NORTH LOUP 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.					
4-26	Jones-Nelson	-----	-----	-----	0.0
4-29	B. A. Nelson	35.9	1.25	3.34	3.34
4-30	do	46.4	1.23	3.98	3.98
5- 8	do	42.6	1.20	3.71	3.68
5-13	do	36.3	1.05	3.30	3.28
5-21	do	35.6	1.09	3.27	3.23
5-29	do	28.5	.97	2.65	2.65
6- 3	do	24.9	.85	2.68	2.46
6-11	do	-----	-----	-----	.0

*Gage height as indicated by water stage recorder.

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height		Discharge Sec.-ft.
NORTH LOUP BURWELL SUMPTER CANAL—A-2312—Concluded						
					*	
6-18	do	-----	-----	-----	-----	.0
6-26	do	29.1	1.22	2.91	3.00	35.5
7- 2	do	26.8	1.10	2.78	2.78	29.6
7-10	do	-----	-----	-----	-----	.0
7-15	do	-----	-----	-----	-----	.0
7-24	do	-----	-----	-----	-----	.0
7-29	do	57.9	1.70	4.60	4.60	98.8
8- 7	do	66.6	1.85	5.09	5.01	123.0
8-12	do	64.6	1.80	5.00	4.89	116.0
8-20	Nelson-Beerline	64.0	1.77	4.99	4.94	113.0
8-28	do	59.8	1.66	4.70	4.66	99.1
9- 3	B. A. Nelson	54.5	1.45	4.35	4.41	78.9
9- 9	do	39.3	1.20	3.44	3.52	47.0
9-18	do	30.8	1.08	2.92	2.96	33.2

NORTH LOUP 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.

					*	
4-25	Jones-Nelson	53.2	1.58	4.04	4.02	92.1
4-29	B. A. Nelson	62.2	1.45	4.02	3.97	90.0
5- 8	do	27.8	1.15	2.12	2.12	31.0
5-13	do	24.3	1.30	2.12	2.28	31.6
5-21	do	19.2	1.18	1.80	1.78	22.7
5-27	do	19.4	1.22	1.87	1.84	23.6
6- 3	do	13.0	1.27	1.48	1.12	16.5
6-12	do	33.4	1.50	2.62	2.62	53.2
6-18	do	-----	-----	-----	-----	.0
6-26	do	28.3	1.40	2.32	2.32	39.7
7- 3	do	29.2	1.36	2.47	2.48	39.6
7-10	do	34.0	1.53	2.80	2.82	52.0
7-17	do	62.7	1.51	4.24	4.22	94.9
7-24	do	71.8	1.37	4.45	4.43	98.6
7-29	do	60.5	1.58	4.19	4.18	95.8
8- 7	do	73.7	1.45	4.65	4.61	107.0
8-12	do	55.6	1.45	3.67	3.67	80.6
8-20	Nelson-Beerline	48.9	1.58	3.49	3.52	77.3
8-29	do	52.5	1.56	3.80	3.78	82.1
9- 3	B. A. Nelson	42.9	1.66	3.30	3.36	71.4
9- 9	do	-----	-----	-----	-----	.0
9-18	do	16.2	1.46	1.76	1.78	23.6
9-30	Glen Beerline	14.3	1.14	1.52	1.57	16.3

*Gage height as indicated by water stage recorder.

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
NORTH LOUP 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.					
4-25	Jones-Nelson	54.7	1.87	3.93	3.93 102.0
4-29	B. A. Nelson	35.3	.91	2.84	2.84 32.1
5- 7	do	35.2	1.44	3.40	3.37 64.9
5-13	do	43.9	1.28	3.24	3.21 56.1
5-21	do	42.5	1.36	3.26	3.24 57.8
5-27	do	43.6	1.27	3.23	3.19 55.4
6- 4	do	43.2	1.32	3.31	3.29 56.9
6-11	do	46.1	1.59	3.39	3.36 73.1
6-18	do	68.7	1.95	4.29	4.29 134.0
6-26	do	40.0	1.37	3.06	3.09 50.8
7- 2	do	36.4	1.46	3.08	3.08 53.0
7-10	do	38.9	1.40	3.06	3.02 54.5
7-16	do	48.7	1.99	3.64	3.62 96.8
7-23	do	66.5	2.27	4.56	4.56 151.0
7-30	do	77.8	2.08	4.78	4.76 162.0
8- 7	do	82.7	2.07	5.00	4.98 171.0
8-14	do	80.4	2.18	4.90	4.86 175.0
8-20	Nelson-Beerline	75.8	2.02	4.62	4.57 153.0
8-28	do	76.0	1.97	4.62	4.58 149.8
9- 3	B. A. Nelson	72.3	.85	4.47	4.43 134.3
9-10	do	53.0	1.04	3.32	3.27 54.9
9-18	do	53.5	1.14	3.38	3.34 60.8

NORTHPORT CANAL—A-768

Diverted from North Platte River and Pathfinder Reservoir
 Sec. 3-23-57 W.

Measurements Made at Rating Flume—Sec. 14-21-51 W.

5-20	K. N. Andrews	30.4	3.69	1.86	1.85 112.0
8-17	Hanks-Christensen	98.0	2.10	2.72	2.59 206.0

OBERFELDER CANAL—D-306

Diverted from Lodgepole Creek—Sec. 31-14-46 W.

Measurements Made at Headgate

10-13	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 4	do	-----	-----	-----	.0

*Gage height as indicated by water stage recorder.

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1946

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					
10- 3	C. E. Franklin	-----	-----	-----	0.0
10-19	do	-----	-----	-----	.0
11-13	do	-----	-----	-----	.0
OHME PUMP—A-3703					
Diverted from Middle Loup River—Sec. 1-17-17 W.					
Measurements Made at Pump Site					
8-22	B. A. Nelson	-----	-----	-----	0.0
OLIVER PUMP—A-2858					
Diverted from Frenchman River—Sec. 16-5-35 W.					
Measurements Made at Pump Site					
7- 9	J. N. Walburn	-----	-----	-----	0.0
OLIVER BROTHERS CANAL—A-1285					
Diverted from Frenchman River—Sec. 7-5-35 W.					
Measurements Made at Headgate					
7- 2	J. N. Walburn	-----	-----	-----	0.0
OLSON PUMP—A-3629					
Diverted from Republican River—Sec. 36-3-20 W.					
Measurements Made at Pump Site					
7-11	J. N. Walburn	-----	-----	-----	0.0
OWASCO CANAL—D-347, A-725					
Diverted from Lodgepole Creek—Sec. 29-15-55 W.					
Measurements Made at Rating Flume					
10-16	C. E. Franklin	-----	-----	-----	0.0
10-29	do	-----	-----	-----	.5
11-21	do	-----	-----	-----	.2
12-11	do	1.4	0.57	0.20	.8
4-19	do	-----	-----	-----	.0
4-29	do	3.6	1.58	-----	5.7
5-17	do	.6	.50	-----	.3
5-31	do	-----	-----	-----	.0
8- 9	O. R. Benner	4.6	.89	.72	4.1
8-26	do	2.6	.58	.39	1.5

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
OWASCO CANAL—BAY STATE LATERAL—D-347R					
Diverted from Lodgepole Creek—Sec. 29-15-55 W.					
Measurements Made out of Owasco Canal					
10-16	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
11-21	do	—	—	—	.0
12-11	do	0.7	0.57	—	.4
4-19	do	—	—	—	.0
4-29	do	—	—	—	.1
5-17	Franklin-Hanna	—	—	—	.0
5-31	C. E. Franklin	—	—	—	.0
8-10	O. R. Benner	1.1	1.36	0.30	1.5
8-26	do	1.3	1.05	.26	1.4
OX YOKE CANAL—D-477					
Diverted from Ash Creek—Sec. 29-32-50 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	—	—	—	0.0
10-23	do	—	—	—	.0
11-14	do	—	—	—	.0
4-15	do	—	—	—	.0
5-12	do	—	—	—	.0
PAINE CANAL—A-3478					
Diverted from Paine Reservoir, A-3138—Sec. 21-4-32 W.					
Measurements Made at Headgate					
6-22	J. N. Walburn	—	—	—	0.0
PALMER CANAL—D-442					
Diverted from Niobrara River—Sec. 36-29-57 W.					
Measurements Made at Headgate					
7- 9	O. R. Benner	—	—	—	0.0
PARKS' CANAL—A-1202, A-1444, A-1555					
Diverted from Republican River—Sec. 20-1-39 W.					
Measurements Made at Headgate					
6- 7	J. N. Walburn	—	—	—	0.0
PEETZ PUMP—A-2909					
Diverted from Lodgepole Creek—Sec. 35-14-49 W.					
Measurements Made at Pump Site					
7-25	O. R. Benner	—	—	—	0.0
8- 8	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
PERRY PUMP—A-2620					
Diverted from Beaver Creek—Sec. 3-12-15 W.					
Measurements Made at Pump Site					
8- 2	B. A. Nelson	—	—	—	1.0
PERSINGER CANAL—D-297					
Diverted from Lodgepole Creek—Sec. 33-14-46 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
11-23	do	—	—	—	.0
5- 4	do	—	—	—	.0
5-22	do	—	—	—	.0
6- 4	do	—	—	—	.0
PHELAN CANAL—D-138					
Diverted from Rock Creek—Sec. 17-1-30 W.					
Measurements Made at Headgate					
6- 7	J. N. Walburn	—	—	—	0.0
PIONEER CANAL, NORTH—D-442a					
Diverted from Niobrara River—Sec. 36-29-51 W.					
Measurements Made at Headgate					
10-12	C. E. Franklin	—	—	—	0.0
10-24	do	—	—	—	.0
11- 3	do	7.7	0.31	—	2.4
11-12	do	—	—	—	.0
5- 6	do	—	—	—	.0
6-14	do	5.1	.90	—	4.6
PIONEER CANAL, SOUTH—D-442b					
Diverted from Niobrara River—Sec. 31-29-50 W.					
Measurements Made at Headgate					
10-12	C. E. Franklin	—	—	—	0.0
10-24	do	15.2	0.26	—	3.9
11- 3	do	11.2	.46	—	5.1
11-12	do	13.0	.28	—	3.6
5- 6	do	—	—	—	.0
6-14	do	12.4	.38	—	4.7
PLUNKETT CANAL—A-2070, A-2031					
from Reservoir					
Diverted from Prairie Dog Creek—Sec. 25-33-56 W.					
Measurements Made at Headgate					
10-25	C. E. Franklin	—	—	—	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
POTMESIL CANAL—A-2566					
Diverted from Niobrara River—Sec. 26-29-48 W.					
Measurements Made at Headgate					
10- 2	C. E. Franklin	-----	-----	-----	0.5
10-18	do	-----	-----	-----	.0
11- 3	do	-----	-----	-----	.0
11-12	do	-----	-----	-----	.0
11-26	do	-----	-----	-----	.0
12-15	do	-----	-----	-----	.0
5- 6	do	-----	-----	-----	.0
5-24	do	3.6	1.11	-----	4.0
6- 6	do	-----	-----	-----	.0
6- 7	E. S. Kimmel	6.3	.83	-----	5.2
8-21	Benner-Hanks	12.8	.66	-----	8.4
9-17	Ratliff-Hanks	-----	-----	-----	.0
PREMIER CANAL—D-340					
Diverted from Lodgepole Creek—Sec. 3-14-58 W.					
Measurements Made at Headgate					
10-16	C. E. Franklin	-----	-----	-----	0.0
10-29	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-30	do	-----	-----	-----	.0
5-17	Franklin-Hanna	-----	-----	-----	.0
5-31	C. E. Franklin	0.6	0.83	-----	.5
8- 9	O. R. Benner	6.0	.70	-----	4.2
8-27	Benner-Hanna	-----	-----	-----	.0
PUELZ PUMP—A-2857					
Diverted from Beaver Creek—Sec. 24-1-28 W.					
Measurements Made at Pump Site					
6-14	J. N. Walburn	-----	-----	-----	0.0
RALTON CANAL—A-882					
Diverted from Lodgepole Creek—Sec. 36-13-45 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 3	do	-----	-----	-----	.0
5-20	do	-----	-----	-----	.0
6- 4	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
RAMEY PUMP—A-1792					
Diverted from Indian Creek—Sec. 20-2-11 W.					
Measurements Made at Pump Site					
7-26	J. N. Walburn	-----	-----	-----	0.0
RANDALL CANAL—A-1100					
Diverted from Lawrence Fork—Sec. 21-18-52 W.					
Measurements Made at Headgate					
8-16	Christensen-Hanks	2.6	1.23	0.56	3.2
RASSER CANAL AND RASSER BROS. CANAL—A-2357, A-2917					
Diverted from Elm Creek—Sec. 3-1-10 W.					
Measurements Made at Headgate					
7-26	J. N. Walburn	-----	-----	-----	0.0
RIVERSIDE CANAL—D-18, A-1674					
Diverted from Frenchman River—Sec. 33-4-32 W.					
Measurements Made at Headgate					
5-18	J. N. Walburn	5.2	2.05	-----	10.7
6- 3	do	-----	-----	-----	.0
8- 8	do	11.0	1.00	-----	12.6
RIVERSIDE PUMP—A-2698					
Diverted from Republican River—Sec. 14-3-27 W.					
Measurements Made at Pump Site					
6-14	J. N. Walburn	-----	-----	-----	0.0
RUNGE PUMP—A-3191, A-3363					
Diverted from Lodgepole Creek—Sec. 20-14-50 W.					
Measurements Made at Pump Site					
8-11	O. R. Benner	-----	-----	-----	0.0
8-28	do	-----	-----	-----	.0
9-24	Kimmel-Ratliff	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
RUNGE CANAL NO. 1—D-339					
Diverted from Lodgepole Creek—Sec. 20-14-50 W.					
Measurements Made near Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.1
10-30	do	-----	-----	-----	.1
11-21	do	-----	-----	-----	.0
4-30	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.1
6- 6	do	-----	-----	-----	.0
8- 5	S. M. Christensen	1.7	0.48	-----	.8
8-11	O. R. Benner	-----	-----	-----	.0
8-28	do	1.2	1.28	-----	1.5
9-25	Kimmel-Ratliff	-----	-----	-----	.0
RUSSELL PUMP—A-3319					
Diverted from Bushy Creek—Sec. 33-8-29 W.					
Measurements Made at Pump Site					
7-12	J. N. Walburn	-----	-----	-----	0.0
RUTTNER CANAL—A-906					
Diverted from Lodgepole Creek—Sec. 30-14-47 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
7-16	S. M. Christensen	0.6	0.53	-----	.3
7-19	O. R. Benner	1.2	.67	-----	.8
7-25	do	-----	-----	-----	0
8- 7	do	-----	-----	-----	.0
8-26	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					
10-16	C. E. Franklin	-----	-----	-----	0.0
10-29	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-29	do	-----	-----	-----	.0
5-17	Franklin-Hanna	-----	-----	-----	.0
5-31	C. E. Franklin	-----	-----	-----	.0
7-19	O. R. Benner	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
RUTTNER CANAL—A-1645					
Diverted from Lodgepole Creek—Sec. 31-14-47 W.					
Measurements Made at Headgate					
7-25	O. R. Benner	—	—	—	0.0
8- 7	do	—	—	—	.0
8-26	do	—	—	—	.0
SCHICK PUMP—A-3161					
Diverted from Fox Creek—Sec. 5-8-28 W.					
Measurements Made at Pump Site					
7-12	J. N. Walburn	—	—	—	0.0
SCHILT CEDAR CREEK CANAL—D-507					
Diverted from Cedar Creek—Sec. 35-33-56 W.					
Measurements Made at Headgate					
1-29	Franklin-Rasmussen	—	—	—	0.0
8- 2	O. R. Benner	—	—	—	.0
8-17	do	—	—	—	.0
SCHILT-MONROE CANAL—D-509					
Diverted from Monroe Creek—Sec. 27-33-56 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	—	—	—	0.0
10-25	do	—	—	—	.0
4- 6	Franklin-Rasmussen	0.7	0.69	—	.5
4- 9	do	.7	.65	—	.4
4-28	C. E. Franklin	1.7	.32	—	1.4
5-13	Franklin-Rasmussen	.6	.97	0.18	.6
6-13	C. E. Franklin	.4	.68	—	.2
8- 2	O. R. Benner	.5	.82	.14	.4
8-17	do	.2	1.08	—	.3
SCHILT-PRAIRIE DOG CANAL—D-508					
Diverted from Prairie Dog Creek—Sec. 35-33-56 W.					
Measurements Made at Headgate					
10-25	C. E. Franklin	—	—	—	0.0
1-29	Franklin-Rasmussen	0.6	0.26	—	.2
8- 2	O. R. Benner	—	—	—	.0
8-17	do	—	—	—	.0
SCHULZ PUMP—A-3205					
Diverted from Mud Creek—Sec. 7-12-14 W.					
Measurements Made at Pump Site					
8- 1	B. A. Nelson	1.2	1.83	—	2.2

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SCOTT PUMP—A-2900					
Diverted from Clear Creek—Sec. 27-17-18 W. Measurements Made at Pump Site					
7-30	B. A. Nelson	-----	-----	-----	0.0
SEVERNS PUMP—A-1856, A-2847					
Diverted from Frenchman River—Sec. 9-4-33 W. Measurements Made at Pump Site					
5-18	J. N. Walburn	-----	-----	-----	0.0
SCRIPTER CANAL—A-2288					
Diverted from Clear Creek—Sec. 32-16-41 W. Measurements Made at Headgate					
5-30	S. M. Christensen	-----	-----	-----	0.0
6- 6	do	-----	-----	-----	.0
6-20	do	-----	-----	-----	.0
7-12	do	1.0	1.20	0.38	1.2
7-25	do	-----	-----	-----	.0
8-15	Christensen-Hanks	-----	-----	-----	.1
9- 9	Harrington-Hanks	-----	-----	-----	.0
9-30	P. D. Harrington	-----	-----	-----	.0
SHELDON CANAL—A-493					
Diverted from East Ash Creek—Sec. 30-32-50 W. Measurements Made at Headgate					
10- 8	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0
11-14	do	-----	-----	-----	.0
4-15	do	-----	-----	-----	.0
5-12	do	-----	-----	-----	.0
SIMONS CANAL—A-2363					
Diverted from Little Cottonwood Creek—Sec. 9-32-51 W. Measurements Made at Headgate					
7-12	O. R. Benner	-----	-----	-----	0.0
SIELAFF PUMP—A-3552					
Diverted from Beaver Creek—Sec. 7-12-14 W. Measurements Made at Pump Site					
8- 1	B. A. Nelson	1.4	1.26	-----	1.8
SKOCHDOPOLE PUMP—A-1871					
Diverted from Beaver Creek—Sec. 1-12-15 W. Measurements Made at Pump Site					
8- 1	B. A. Nelson	0.4	1.23	-----	0.5

DISCHARGE MEASUREMENTS OF CANALS—Continued

Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SLATTERY CANAL—D-543, A-1683					
Diverted from Jim Creek and Caladonia Reservoir—Sec. 13-33-57 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	0.4	0.25	-----	.1
11-27	do	-----	-----	-----	.0
2-14	do	-----	-----	-----	.0
5-14	do	-----	-----	-----	.0
SLATTERY CANAL—A-749, A-2021					
Diverted from Dead Horse Creek—Sec. 32-33-49 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0
11-14	do	-----	-----	-----	.0
5-12	do	-----	-----	-----	.0
SMITH CANAL—D-526					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements Made at Headgate					
10-25	C. E. Franklin	-----	-----	-----	0.0
4-16	do	1.1	0.91	-----	1.0
5-14	do	1.0	1.10	-----	1.1
SODERQUIST CANAL—A-1237, A-1420					
Diverted from Lodgepole Creek—Sec. 36-13-45 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 3	do	-----	-----	-----	.0
5-20	do	-----	-----	-----	.0
6- 4	do	-----	-----	-----	.0
SOW BELLY CANAL, OLD—D-533					
Diverted from Sow Belly Creek—Sec. 7-32-55 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
4- 9	Franklin-Rasmussen	2.4	0.92	-----	2.6
5-14	C. E. Franklin	2.0	1.40	-----	2.8

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
SOW BELLY SUPPLY CANAL, OLD—A-2306					
Diverted from Sow Belly Creek—Sec. 5-32-55 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
SPRING BRANCH CANAL—D-862, D-893, A-669					
Diverted from Lawrence Fork—Sec. 11-18-52 W.					
Measurements Made at Headgate					
8-16	Christensen-Hanks	1.4	1.21	0.17	1.7
STEPHENSON PUMP—A-3252					
Diverted from Republican River—Sec. 34-1-7 W.					
Measurements Made at Pump Site					
7-26	J. N. Walburn	-----	-----	-----	0.0
STEVENSON PUMP—A-3667					
Diverted from Sappa Creek—Sec. 36-1-24 W.					
Measurements Made at Pump Site					
8- 2	J. N. Walburn	-----	-----	-----	0.0
STUART BROTHERS CANAL, NORTH—A-8					
Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	-----	-----	-----	0.0
10-23	do	1.2	0.83	-----	1.0
11-15	do	2.6	1.42	-----	3.7
STUART BROTHERS CANAL, SOUTH—A-8					
Diverted from Little Cottonwood Creek—Sec. 18-32-52 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	1.6	0.81	-----	1.3
10-24	do	-----	-----	-----	.0
11-15	do	-----	-----	-----	.0
STUART MAPLE CANAL—A-656					
Diverted from Little Cottonwood Creek—Sec. 3-32-52 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0
11-15	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
STUHT PUMP—A-1659					
Diverted from Lodgepole Creek—Sec. 32-14-49 W.					
Measurements Made at Pump Site					
8- 8	O. R. Benner	-----	-----	-----	0.0
8-26	do	-----	-----	-----	.0
STUMPH CANAL—D-447R, D-1023½					
Diverted from East Ash Creek—Sec. 31-32-50 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0
11-14	do	-----	-----	-----	.0
5-12	do	-----	-----	-----	.0
SYLVAN DELL CANAL—A-1340					
Diverted from Driftwood Creek—Sec. 1-2-30 W.					
Measurements Made at Headgate					
6-14	J. N. Walburn	-----	-----	-----	0.0
THOMAS CANAL—A-2057					
Diverted from East Ash Creek—Sec. 19-32-50 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0
11-14	do	-----	-----	-----	.0
4-15	do	-----	-----	-----	.0
4-28	do	-----	-----	-----	.0
5-12	do	-----	-----	-----	.0
THOMAS CANAL—A-1748					
Diverted from Big Bordeaux Creek—Sec. 34-34-48 W.					
Measurements Made at Headgate					
10- 3	C. E. Franklin	-----	-----	-----	0.0
10-19	do	-----	-----	-----	.0
11-13	do	-----	-----	-----	.0
5- 7	do	-----	-----	-----	.0
5-25	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
THOMAS STUART CANAL—D-425					
Diverted from Little Cottonwood Creek—Sec. 8-32-52 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0
11-15	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
THORSTENSEN PUMP—A-2569					
Diverted from Lodgepole Creek—Sec. 7-14-51 W.					
Measurements Made at Pump Site					
8-10	O. R. Benner	-----	-----	-----	0.0
8-28	do	-----	-----	-----	.0
TOBIN CANAL—D-330					
Diverted from Lodgepole Creek—Sec. 28-14-47 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
7-19	O. R. Benner	-----	-----	-----	.0
7-25	do	-----	-----	-----	.0
8- 8	do	-----	-----	-----	.0
8-26	do	-----	-----	-----	.0
TODD CANAL—A-520					
Diverted from East Ash Creek—Sec. 5-31-50 W.					
Measurements Made at Headgate					
10- 8	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0
TOWNE PUMP—A-3088, A-3197					
Diverted from Medicine Creek—Sec. 26-8-29 W.					
Measurements Made at Pump Site					
7-12	J. N. Walburn	-----	-----	-----	0.0
TRACY PUMP—A-3335					
Diverted from Mud Creek—Sec. 2-2-36 W.					
Measurements Made at Pump Site					
6- 7	J. N. Walburn	-----	-----	-----	0.0
6- 8	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

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					
10-16	C. E. Franklin	—	—	—	0.0
10-30	do	—	—	—	.0
11-21	do	—	—	—	.0
4-19	do	1.3	1.08	—	1.4
4-30	do	1.1	1.00	—	1.1
5-17	Franklin-Hanna	.8	.62	—	.5
5-31	C. E. Franklin	—	—	—	.0
8- 9	O. R. Benner	—	—	—	.0

TRIDLE PUMP—A-3173
 Diverted from Medicine Creek—Sec. 34-6-26 W.
 Measurements Made at Pump Site

7-31	J. N. Walburn	—	—	—	0.0
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TRI-STATE CANAL, D-918, A-660, ALLIANCE DRAIN
 To River—Sec. 18-22-53 W.

5-13	Andrews-Christensen	1.4	1.28	—	1.8
5-18	K. N. Andrews	—	—	—	.0
5-22	do	4.5	1.60	2.14	7.2
5-31	do	—	—	—	.0
6-14	do	6.3	1.82	2.38	11.5
6-27	do	6.1	2.10	2.45	12.8
7- 6	do	1.2	1.33	1.76	1.6
7-17	do	7.5	2.03	2.66	15.2
7-25	do	11.7	1.94	3.10	22.7
8- 6	do	13.4	1.82	3.22	24.4
8-14	do	13.7	1.82	3.33	24.9
8-23	do	10.3	2.18	2.98	22.5
9-17	S. M. Christensen	3.3	1.81	.45	6.0

TROGNITZ CANAL—D-365
 Diverted from Lodgepole Creek—Sec. 36-14-50 W.
 Measurements Made at Headgate

8-11	O. R. Benner	—	—	—	0.0
8-28	do	—	—	—	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
URBACH CANAL—D-308, A-723					
Diverted from Lodgepole Creek—Sec. 15-14-51 W.					
Measurements Made at Headgate					
10-15	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-30	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 6	do	-----	-----	-----	.0
8-28	O. R. Benner	-----	-----	-----	.0
VALDEZ CANAL—D-976, A-3450					
Diverted from Cedar Creek—Sec. 10-32-56 W.					
Measurements Made at Headgate					
10-25	C. E. Franklin	-----	-----	-----	0.0
VALLEY RESERVOIR DIVERSION—A-2013					
Diverted from Bell Creek—Sec. 29-1-6 W.					
Measurements Made at Headgate					
7-25	J. N. Walburn	-----	-----	-----	0.0
VERSAW PUMP—A-3169					
Diverted from Center Creek—Sec. 27-2-15 W.					
Measurements Made at Pump Site					
8-23	J. N. Walburn	-----	-----	-----	0.0
WAGNER PUMP—A-3912					
Diverted from Muddy Creek—Sec. 34-15-17 W.					
Measurements Made at Pump Site					
8-3	B. A. Nelson	4.4	0.27	-----	1.2
WALKER CANAL—A-869, A-727					
Diverted from Lodgepole Creek—Sec. 31-15-56 W.					
Measurements Made at Headgate					
8- 9	O. R. Benner	2.0	1.05	-----	2.1
8-27	do	2.2	.80	0.67	1.8

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WARBONNET CANAL—D-548					
Diverted from Warbonnet Creek—Sec. 21-33-56 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	1.4	0.72	—	1.0
10-25	do	1.6	1.06	—	1.7
11-27	do	1.7	1.47	—	2.5
4-16	do	—	—	—	.0
5-14	do	1.9	.90	—	1.7
7-10	O. R. Benner	1.0	1.30	—	1.3
8- 2	do	—	—	—	.0
WARBONNET CANAL NO. 2—A-892					
Diverted from Warbonnet Creek—Sec. 20-33-56 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	0.4	0.75	—	0.3
10-25	do	.8	1.00	—	.8
11-27	do	.6	1.00	—	.6
4-16	do	1.2	.75	—	.9
5-14	do	1.8	1.11	—	2.0
WARDEN PUMP—A-1862					
Diverted from Republican River—Sec. 32-1-6 W.					
Measurements Made at Pump Site					
7-25	J. N. Walburn	—	—	—	0.0
WARNEKE CANAL—D-505					
Diverted from Niobrara River—Sec. 27-31-57 W.					
Measurements Made at Headgate					
10-11	C. E. Franklin	—	—	—	0.0
10-27	do	—	—	—	.0
4-17	do	—	—	—	.0
5-15	do	—	—	—	.0
7-11	O. R. Benner	—	—	—	.0
WATSON PUMP—A-1876					
Diverted from Turkey Creek—Sec. 31-4-21 W.					
Measurements Made at Pump Site					
6-22	J. N. Walburn	—	—	—	0.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WEARIN CANAL—A-1864					
Diverted from Lodgepole Creek—Sec. 8-14-58 W. Measurements Made at Rating Flume					
10-16	C. E. Franklin	-----	-----	-----	0.0
10-29	do	-----	-----	-----	.0
11-21	do	-----	-----	-----	.0
4-30	do	-----	-----	-----	.0
5-17	do	-----	-----	-----	.0
5-31	do	-----	-----	-----	.0
8- 9	O. R. Benner	-----	-----	-----	.0
8-26	do	1.4	0.50	-----	.7
WEBER PUMP—A-2156					
Diverted from Beaver Creek—Sec. 17-1-26 W. Measurements Made at Pump Site					
6-14	J. N. Walburn	-----	-----	-----	0.0
WELLS PUMP—A-2455					
Diverted from North Loup River—Sec. 20-21-18 W. Measurements Made at Pump Site					
6-26	B. A. Nelson	-----	-----	-----	0.0
WENGERT PUMP—A-1938					
Diverted from Turkey Creek—Sec. 4-3-21 W. Measurements Made at Pump Site					
8- 2	J. N. Walburn	-----	-----	-----	0.0
WEST PUMP—A-2802					
Diverted from Mud Creek—Sec. 23-15-18 W. Measurements Made at Pump Site					
8-15	B. A. Nelson	1.2	1.03	-----	1.2
WHITE RIVER CANAL—D-477					
Diverted from White River—Sec. 34-32-52 W. Measurements Made at Rating Flume					
10- 9	C. E. Franklin	-----	-----	-----	0.0
10-23	do	-----	-----	-----	.0
11-15	do	-----	-----	-----	.0
4-28	do	4.4	1.16	-----	5.1
5-11	do	-----	-----	-----	.0
6-12	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WICKERSHAM CANAL—A-701, A-2204					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
2-27	do	-----	-----	-----	.0
3- 9	do	-----	-----	-----	.0
4-16	do	-----	-----	-----	.0
5-14	do	-----	-----	-----	.0
7-10	O. R. Benner	0.2	0.70	-----	.1
WICKERSHAM SUPPLY CANAL—A-2182					
Diverted from Boggy Creek—Sec. 31-33-54 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	0.4	0.50	-----	0.2
10-25	do	.6	.67	-----	.4
1-11	do	1.2	.96	-----	1.1
2-14	do	.4	1.03	-----	.4
2-27	do	.5	.86	-----	.4
3- 9	do	.4	.80	-----	.3
4-16	do	-----	-----	-----	.0
5-14	do	-----	-----	-----	.0
WIEGAND CANAL—A-563					
Diverted from Lodgepole Creek—Sec. 17-13-45 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 3	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 4	do	-----	-----	-----	.0
WIEGAND CANAL NO. 2—A-1323					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 3	do	-----	-----	-----	.0
6- 4	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

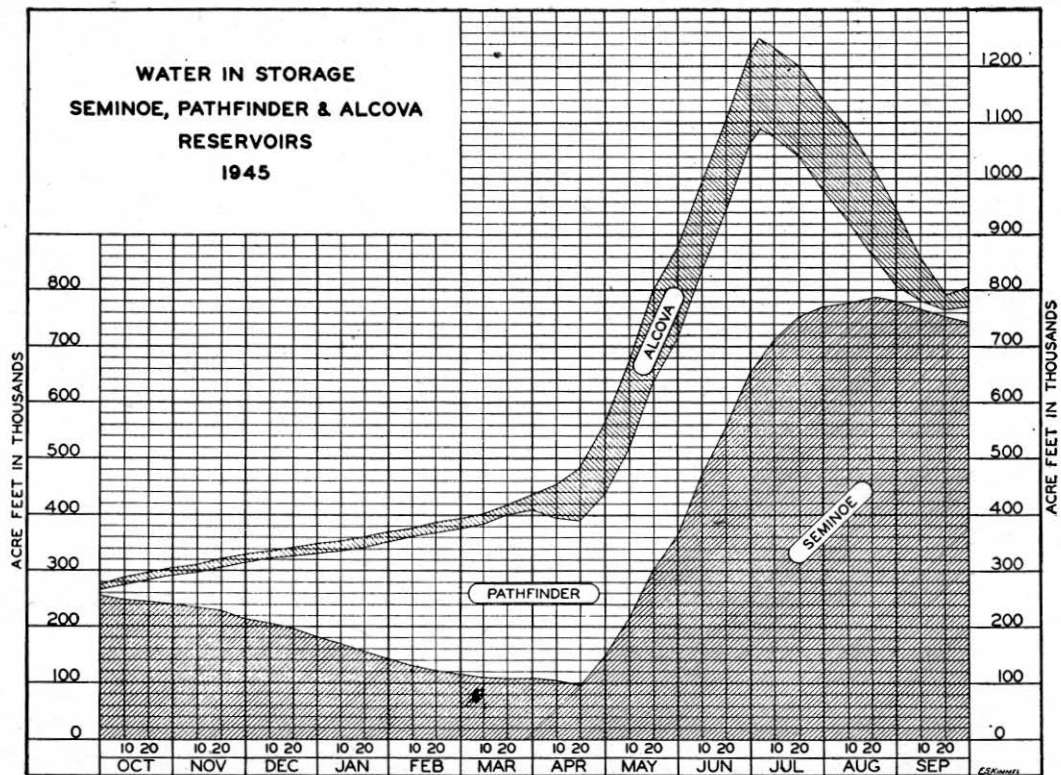
Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WIEGAND CANAL, SOUTH—A-1323					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurements Made at Headgate					
11-23	C. E. Franklin	-----	-----	-----	0.0
WIEGAND CANAL NO. 3—A-1322					
Diverted from Lodgepole Creek—Sec. 16-13-45 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-31	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 3	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 4	do	-----	-----	-----	.0
WILDS CANAL, NORTH—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
5-22	do	-----	-----	-----	.0
6- 4	do	-----	-----	-----	.0
WILDS CANAL, SOUTH—A-904					
Diverted from Lodgepole Creek—Sec. 11-13-46 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5- 4	do	-----	-----	-----	.0
5-22	do	0.4	0.55	-----	.2
6- 4	do	-----	-----	-----	.0
WILLIAMS PUMP—A-3595					
Diverted from Beaver Creek—Sec. 21-2-23 W.					
Measurements Made at Pump Site					
6-27	J. N. Walburn	-----	-----	-----	0.0
WILLOUGHBY PUMP—A-1896					
Diverted from Muddy Creek—Sec. 34-15-17 W.					
Measurements Made at Pump Site					
8- 3	B. A. Nelson	1.2	1.36	-----	1.7

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
WILSON PUMP—A-1879					
Diverted from Muddy Creek—Sec. 14-14-17 W.					
Measurements Made at Pump Site					
8- 3	B. A. Nelson	-----	-----	-----	0.0
8- 8	do	1.3	1.16	-----	1.5
WISE PUMP—A-2772					
Diverted from Frenchman River—Sec. 22-5-35 W.					
Measurements Made at Pump Site					
7- 9	J. N. Walburn	-----	-----	-----	0.0
WOLF CANAL—D-813					
Diverted from Lodgepole Creek—Sec. 18-13-45 W.					
Measurements Made at Headgate					
10-13	C. E. Franklin	-----	-----	-----	0.0
10-30	do	-----	-----	-----	.0
11-23	do	-----	-----	-----	.0
5-22	do	2.8	1.28	-----	3.6
6- 4	do	-----	-----	-----	.0
WOOD PUMP—A-2796					
Diverted from Beaver Creek—Sec. 24-1-28 W.					
Measurements Made at Pump Site					
6-14	J. N. Walburn	-----	-----	-----	0.0
WOODRUFF CANAL, NORTH—D-536					
Diverted from Jim Creek—Sec. 14-33-56 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
11-27	do	-----	-----	-----	.0
5-14	do	-----	-----	-----	.0
7-10	O. R. Benner	-----	-----	-----	.0
WOODRUFF CANAL, SOUTH—D-536					
Diverted from Jim Creek—Sec. 14-33-57 W.					
Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	-----	-----	-----	.0
11-27	do	-----	-----	-----	.0
5-14	do	-----	-----	-----	.0

DISCHARGE MEASUREMENTS OF CANALS—Continued
Year Ending September 30, 1946

Date	Hydrographer	Area of Section	Mean Velocity	Gage Height	Discharge Sec.-ft.
YANDA PUMPS—A 1920					
Diverted from Beaver Creek—Sec. 8-12-14 W. and Sec. 9-12-14 W. Measurements Made at Pump Site					
8-1	B. A. Nelson	-----	-----	-----	0.0
YOKEL PUMP—A-2853					
Diverted from Turkey Creek—Sec. 10-5-25 W. Measurements Made at Pump Site					
7-31	J. N. Walburn	-----	-----	-----	0.0
YOUNG PUMP—A-1921					
Diverted from Bushy Creek—Sec. 33-8-29 W. Measurements Made at Pump Site					
7-12	J. N. Walburn	-----	-----	-----	0.0
ZERBST CANAL—A-2003					
Diverted from Little Red Creek—Sec. 34-33-56 W. Measurements Made at Headgate					
10-25	C. E. Franklin	0.4	0.75	-----	0.3
8-2	O. R. Benner	.3	1.12	-----	.3
8-17	do	.4	.87	-----	.3
ZERBST CANAL—D-551					
Diverted from Little Red Creek—Sec. 35-33-56 W. Measurements Made at Headgate					
10-25	C. E. Franklin	-----	-----	-----	0.0
8-2	O. R. Benner	-----	-----	-----	.0
8-17	do	-----	-----	-----	.0
ZIMMERMAN CANAL—A-532					
Diverted from Sow Belly Creek—Sec. 34-33-55 W. Measurements Made at Headgate					
10-10	C. E. Franklin	-----	-----	-----	0.0
10-25	do	2.3	1.30	-----	3.0
5-14	do	-----	-----	-----	.0
7-10	O. R. Benner	-----	-----	-----	.0
ZINNEL PUMP—A-3389					
Diverted from Beaver Creek—Sec. 2-12-15 W. Measurements Made at Pump Site					
8-1	B. A. Nelson	-----	-----	-----	0.0



REPORT OF THE STATE ENGINEER

CONTENTS IN ACRE-FEET, SEMINOLE STORAGE RESERVOIR
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	255690	239830	216350	181170	140810	116190	107280	147380	370920	662810	770290	779460
2	254780	239360	215110	179800	139370	115370	106910	150670	379120	671410	770290	778480
3	253520	238880	213940	178540	138310	114570	105610	155960	389130	672740	770290	777830
4	252130	238420	213050	177220	137200	114020	103820	162910	398860	682710	770440	777020
5	251220	238020	212390	175860	136740	113860	102160	169500	407690	688570	771080	775240
6	250380	237950	211340	174460	135520	113140	100690	177050	419820	693400	772200	773630
7	249900	237350	210300	173110	134350	112430	99960	185480	433750	698390	773310	771880
8	249700	236940	209330	172410	133130	111790	99530	194230	448770	703610	774450	770130
9	250040	236680	207990	171120	131970	111080	99890	204310	461090	708230	776700	768530
10	249640	236420	206840	169750	130820	110420	100550	214680	471790	711650	778640	767580
11	249290	236150	206110	168430	129800	109570	102350	224550	481570	715730	780430	766300
12	248940	235960	204780	167060	128270	109260	103230	234310	489970	720730	781560	764710
13	248530	2356220	203170	165700	128170	108520	102970	245310	497710	727100	783350	763270
14	248050	235660	201860	164560	127180	108140	101770	256420	504690	733100	783670	761840
15	247700	234900	200310	163940	126320	108140	100250	266390	512590	738500	784320	760240
16	247640	234240	198770	162710	125500	108140	100250	276160	520940	743590	785130	759920
17	247160	233450	197770	161160	124510	108210	101110	284020	531260	746730	785130	759130
18	24700	232700	197300	159840	123600	108720	99640	290510	541260	748450	784800	757710
19	245860	230680	196290	158480	122370	109880	98300	295990	548360	750490	784480	756290
20	245240	229990	194640	156810	122430	109880	98390	301630	554820	751900	784970	755670
21	244690	228490	192840	155260	121630	109800	99600	308320	560940	754410	785450	754410
22	244210	226610	191250	154470	121050	109800	102840	314050	566960	758490	786100	753470
23	244070	225390	189540	152890	120380	110030	111270	318850	573230	761520	786100	752840
24	243460	224740	188520	151550	119540	109720	120170	323000	584190	763590	785780	752370
25	242860	223720	187950	149990	118680	109140	127390	327230	595380	765500	785610	751120
26	242320	222960	187790	148640	118550	109140	133360	331370	607680	766780	784970	750200
27	241780	221820	186490	147190	117740	108750	137250	336020	618940	767890	783840	749820
28	241240	220430	184970	145840	117000	108520	139880	343160	630090	769170	783670	747830
29	240840	218980	183630	145090	-----	108250	142300	349780	643110	769810	782540	746890
30	240770	217590	182670	143770	-----	108020	145230	355270	653080	770660	781890	745950
31	240240	-----	181840	142300	-----	107860	-----	363040	-----	770760	780750	-----

Record furnished by the United States Bureau of Reclamation.

CONTENTS IN ACRE-FEET, PATHFINDER STORAGE RESERVOIR
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug. *	Sept.
1	9230	51630	98110	151990	212260	261190	301860	292100	350520	412480	203040	26020
2	11120	52820	99990	153730	214420	262890	300540	292420	349350	411980	195550	23790
3	13520	53980	101810	155770	216340	264480	299390	292740	347640	410680	188500	21040
4	15620	55180	103030	157400	218230	265680	298650	293060	345310	406880	181870	18850
5	17780	56380	104880	159580	219260	266670	298410	293940	344780	400720	175160	17580
6	19810	57100	106800	161240	221230	268340	297830	294740	348000	393960	167790	16680
7	21500	58440	108480	163230	223290	269360	297180	294980	351510	387200	162080	16010
8	22960	59840	110170	164240	225230	271480	296440	296440	355110	380060	157040	15230
9	23570	61120	112370	166040	227320	272940	294740	297750	358750	371550	151740	14400
10	24900	62080	114360	167890	229310	274250	294420	299140	362120	363660	147000	13100
11	26290	63140	115620	169620	231380	276020	294340	300290	364480	355560	142350	12730
12	27680	64100	117690	171620	233550	277410	292940	301520	368050	348720	136540	12600
13	28990	64890	120020	173510	235460	279640	294580	300920	371270	341660	130910	12370
14	30340	66670	121900	175220	236510	281650	294580	309740	374520	334220	122920	12040
15	31440	68320	124040	176480	238400	283530	294660	314260	377800	326410	118580	11840
16	32090	69950	126340	178520	240220	285560	293460	318990	381190	317980	108650	11710
17	33350	71610	128040	180860	242190	287380	293060	323450	383660	310240	101140	10820
18	34620	73260	129050	182820	244060	288980	292660	327800	385760	303100	94280	10990
19	36070	75420	130440	184850	245280	289380	292500	331840	388350	295630	87510	11260
20	37440	77010	132740	187400	247160	290760	292300	335890	390850	288190	80720	10990
21	38690	78780	135100	189690	248960	291860	292420	339440	393180	297920	74450	10940
22	39960	81200	137160	191070	250630	293060	292260	343710	395520	272480	68180	11350
23	40610	83290	139510	193430	252240	294500	291380	347640	397670	264920	62110	11540
24	41950	84430	141520	195550	253420	295620	291460	351510	399140	258450	56620	10940
25	43300	86370	142250	198030	255600	299470	292660	355660	399930	251940	51530	11420
26	44580	87850	142800	200230	256550	301360	293380	358110	402400	245640	46440	15870
27	45960	89370	144500	202500	258060	303430	293700	358930	404580	239700	41080	17990
28	47300	91830	146400	204410	259780	305180	293540	356570	406680	231900	37190	20680
29	48710	94080	148270	205770	-----	306420	293060	355020	408880	224830	33710	23020
30	49240	96200	149750	207940	-----	304930	292180	353670	411180	217120	30880	25340
31	50560	-----	151180	210120	-----	303270	-----	352140	-----	210370	28380	-----

Record furnished by the United States Bureau of Reclamation.

CONTENTS IN ACRE-FEET, ALCOVA RESERVOIR
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11300	13200	14490	15600	16560	17390	20240	127980	162200	161950	160730	135110
2	11280	13230	14530	15630	16590	17420	32550	131150	162270	161890	160640	129790
3	11470	13270	14560	15670	16630	17450	35760	134340	162330	161710	160480	123930
4	11540	13310	14590	15700	16660	17480	39030	137560	162400	161820	160580	117200
5	11620	13360	14630	15730	16700	17510	42360	140740	162470	161170	161240	109970
6	11680	13410	14660	15750	16740	17540	45660	143880	162510	161020	161460	103300
7	11740	13460	14700	15780	16770	17570	48870	147080	162470	160880	161910	96710
8	11810	13510	14740	15810	16810	17590	52090	150270	162400	160700	162330	90420
9	11880	13560	14780	15840	16840	17620	55340	153410	162340	160370	162600	84210
10	11950	13600	14820	15880	16870	17650	58680	156570	162310	160060	162850	77560
11	12010	13650	14860	15910	16900	17700	62030	159750	162240	160040	163000	71000
12	12070	13690	14900	15940	16920	17740	65340	162850	162200	160080	163180	64550
13	12140	13740	14940	15970	16950	17830	68810	163080	162090	160080	163320	58240
14	12200	13790	14980	16010	16980	17900	72240	162980	162020	160020	163630	52380
15	12260	13840	15020	16040	17010	17940	75690	162850	162000	160150	163880	46570
16	12320	13890	15050	16070	17030	17990	79020	162800	162020	160260	163950	40980
17	12400	13920	15090	16090	17050	18030	82340	162710	161980	160300	163650	35610
18	12460	13960	15120	16120	17080	18050	85560	162670	161930	160300	163610	30350
19	12510	14000	15160	16160	17100	18080	88800	162620	161860	160040	161860	28670
20	12550	14040	15200	16190	17130	18110	92100	162580	161800	159900	159770	27280
21	12590	14080	15230	16230	17160	18130	95490	162490	161710	159970	157500	28410
22	12650	14120	15270	16260	17190	18150	98870	162400	161800	160040	155190	29760
23	12710	14170	15310	16280	17220	18170	102140	162330	161890	160350	154520	31070
24	12780	14210	15340	16320	17250	18200	105120	162290	161930	160590	153620	32380
25	12840	14250	15370	16350	17280	18260	108600	162240	162040	160750	152450	32710
26	12890	14290	15410	16390	17310	18320	111840	162180	162240	160860	151090	32670
27	12940	14330	15440	16420	17330	18370	115120	161950	162150	160880	149370	32770
28	13000	14370	15480	16450	17360	18400	118360	161910	162130	160930	147440	32840
29	13050	14410	15510	16480	-----	18400	121560	161980	162110	160970	145230	32920
30	13100	14450	15540	16510	-----	22760	124770	162070	162020	160910	142200	33000
31	13150	-----	15170	16540	-----	26010	-----	162150	-----	160970	139100	-----

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
OUTFLOW OF ALCOVA RESERVOIR
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	0	2550	907	4940	4230
2	0	0	0	0	0	0	0	0	2550	1170	4940	4740
3	0	0	0	0	0	0	0	0	2550	2220	4940	4990
4	0	0	0	0	0	0	0	0	2550	3140	4400	5200
5	0	0	0	0	0	0	0	0	2550	4180	4340	5320
6	0	0	0	0	0	0	0	0	545	4680	4360	4970
7	0	0	0	0	0	0	0	0	0	4740	4020	4770
8	0	0	0	0	0	0	0	0	0	4740	3680	4700
9	0	0	0	0	0	0	0	0	0	5250	3630	4610
10	0	0	0	0	0	0	0	0	0	5290	3330	4500
11	0	0	0	0	0	0	0	0	0	5250	3300	4410
12	0	0	0	0	0	0	0	0	0	4740	3910	4310
13	0	0	0	0	0	0	0	0	0	4680	4020	4200
14	0	0	0	0	0	0	0	0	0	4680	4360	4110
15	0	0	0	0	0	0	0	0	0	4680	4430	4000
16	0	0	0	0	0	0	0	0	0	4680	4470	3880
17	0	0	0	0	0	0	0	0	0	4700	4880	3760
18	0	0	0	0	0	0	0	0	0	4700	4940	3640
19	0	0	0	0	0	0	0	0	0	5070	5160	1910
20	0	0	0	0	0	0	0	0	0	5010	5460	1760
21	0	0	0	0	0	0	0	0	0	112	5010	5330
22	0	0	0	0	0	0	0	0	0	115	4740	5140
23	0	0	0	0	0	0	0	0	0	220	4250	4200
24	0	0	0	0	0	0	0	0	0	485	4180	4180
25	0	0	0	0	0	0	0	0	0	510	4200	4160
26	0	0	0	0	0	0	0	450	214	4200	4110	
27	0	0	0	0	0	0	0	1510	227	4220	4070	
28	0	0	0	0	0	0	0	2460	227	4540	3930	
29	0	0	0	0	0	0	0	2550	227	4590	3840	
30	0	0	0	0	0	0	0	2550	227	4590	4070	
31	0	0	0	0	0	0	0	2550	-----	4610	3930	
Mean	0	0	0	0	0	0	0	389	529	4304	4338	
Max.	0	0	0	0	0	0	0	2550	2550	5290	5460	
Min.	0	0	0	0	0	0	0	0	0	907	3300	
A. F.	0	0	0	0	0	0	0	23940	31460	264680	266720	

Total acre-feet 756380.

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
INFLOW OF GUERNSEY RESERVOIR
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	479	218	193	155	151	172	258	1500	3380	930	4430	3840
2	449	209	178	154	164	204	260	1710	3270	958	4420	3730
3	505	234	177	168	186	206	273	2120	3220	918	4650	3910
4	389	212	215	180	187	167	203	2580	3560	792	4970	4550
5	399	237	182	173	176	156	246	2590	3640	1280	4690	4870
6	374	273	173	166	223	146	276	2760	3590	2320	4290	5180
7	321	195	201	148	253	156	278	3380	4860	3680	4160	5220
8	326	182	215	177	257	146	296	4080	3520	4500	4190	4880
9	285	209	137	172	255	164	319	3990	2630	4620	4110	4770
10	303	191	209	162	241	197	251	3330	2280	4620	3780	4560
11	256	207	158	182	297	201	314	3200	2040	5050	3500	4410
12	287	195	135	175	311	256	314	3150	1850	5200	3330	4480
13	272	234	122	171	258	460	370	3220	1680	5360	3210	4250
14	242	197	160	187	253	640	475	3150	1450	4800	3530	4300
15	232	204	201	202	228	506	427	2900	1450	4700	3820	4180
16	222	205	214	213	220	500	420	2800	1280	4900	4010	4110
17	238	136	169	241	191	679	339	2430	1420	4670	4150	4050
18	257	103	171	224	177	775	492	2190	1390	4640	4130	3950
19	222	93	132	227	182	697	478	2030	1480	4620	4430	3940
20	232	116	188	189	199	587	413	1850	1330	4640	4610	3830
21	222	136	130	183	178	496	568	1780	1260	5040	4940	3030
22	242	156	161	190	161	374	825	1830	1150	5210	5430	2300
23	212	208	168	193	170	320	1390	2020	1040	5120	5260	2110
24	202	202	99	174	202	278	1770	1880	949	4680	5090	1400
25	237	215	126	155	162	305	1720	1790	1060	4250	4300	1040
26	212	211	90	157	189	265	1760	1680	1070	4150	4130	911
27	218	211	128	192	185	284	1560	1580	974	4110	4090	823
28	213	198	108	157	173	247	1440	1520	1100	4120	4000	822
29	203	215	156	160	---	276	1310	1520	1150	4110	3920	747
30	230	174	152	161	---	251	1390	2340	980	4400	3840	773
31	220	---	153	181	---	205	---	3330	---	4530	3560	---
Mean	280	193	161	180	208	333	678	2459	2002	3964	4225	3369
Max.	505	273	215	241	311	775	1770	4080	4860	5360	5430	5220
Min.	202	93	90	154	151	146	203	1500	949	792	3210	773
A. F.	17260	11460	9920	11050	11560	20460	40330	151200	119120	243770	259780	200460

Total acre-feet 1006370.

Record furnished by the United States Bureau of Reclamation.

CONTENTS IN ACRE-FEET, GUERNSEY STORAGE RESERVOIR
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16600	31490	34760	36130	38490	42310	40990	32900	26380	35210	19940	18720
2	17420	31630	34820	36150	38530	42420	39820	34350	27040	33440	19150	17130
3	18350	31840	34900	36190	38600	42560	38660	36620	27690	30560	19640	15930
4	19050	32000	34980	36250	38680	42620	37360	39780	29500	26600	21020	16250
5	19800	32230	35060	36270	38750	42670	36130	42910	32000	21920	22010	17200
6	20500	32410	35130	36290	38890	42710	34960	44910	35480	18610	22420	18680
7	21090	32550	35250	36330	39090	42760	33810	46500	42340	17200	22690	20040
8	21690	32680	35400	36400	39320	42780	32680	47060	46870	17290	24310	20990
9	22210	32860	35400	36460	39540	42840	31610	47060	46660	17500	25330	21800
10	22770	33000	35540	36520	39740	42960	30390	46300	45700	17620	25800	22350
11	23240	33140	35580	36620	40020	43090	29310	46690	45270	18610	25520	22930
12	23770	33300	35560	36690	40360	43330	28230	46390	46110	19800	24310	23920
13	24270	33450	35520	36750	40600	43960	27580	46460	46850	21110	22260	24780
14	24710	33590	35560	36850	40820	44890	27400	45880	47190	21370	20630	25970
15	25130	33730	35590	36880	40990	45560	26970	46730	48040	21510	19570	26920
16	25530	33850	35850	37130	41170	46160	26200	47060	47060	21860	18740	27810
17	25960	33930	35920	37320	41280	47220	25200	46990	47700	21690	17980	28920
18	26430	33770	35960	37470	41390	47510	24490	47080	47770	21410	16920	30200
19	26830	33750	35960	37640	41500	47470	23720	46870	48110	20920	16460	32080
20	27250	33730	36060	37740	41630	47560	22790	46890	48110	20500	16410	33910
21	27650	33710	36060	37830	41700	47540	22230	46890	47560	21370	17250	34350
22	28090	33730	36120	37940	41740	47290	22180	46850	46830	22740	19280	33400
23	28470	33850	36190	38040	41810	47030	22220	46690	45090	20490	21170	32180
24	28830	33970	36150	38110	41920	47010	25010	45230	42960	24830	23080	29960
25	29260	34110	36100	38130	41980	47290	26690	43070	41810	24710	23630	27830
26	29640	34230	36040	38170	42050	47450	28120	40190	41150	24260	23610	25530
27	30030	34350	36040	38260	42140	46890	29320	36290	40060	23580	23380	23100
28	30410	34480	36000	38300	42230	45790	30280	32020	38770	22660	22920	21140
29	30770	34620	36040	38360	---	44680	30980	27890	37640	21630	22190	19980
30	31140	34680	36060	38400	---	43460	31820	25800	36500	21000	21310	20210
31	31310	---	36100	38470	---	42180	---	25820	---	20590	20020	---

Record furnished by the United States Bureau of Reclamation.

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
OUTFLOW OF GUERNSEY RESERVOIR
Water Year Ending September 30, 1945**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	127	153	140	141	132	858	954	3100	1560	4740	4480
2	36	138	148	144	144	149	850	954	2900	1830	4810	4520
3	36	128	137	148	151	135	858	946	2880	2350	4440	4500
4	36	131	175	150	147	137	858	954	2650	2760	4210	4380
5	21	121	142	163	141	131	866	994	3530	3590	4170	4380
6	21	182	138	156	152	126	866	1730	1830	3970	4070	4420
7	24	124	140	128	152	131	858	2560	1380	4380	4010	4520
8	24	116	139	142	141	136	866	3770	1230	4440	3360	4380
9	23	118	137	142	144	134	858	3990	2740	4500	3590	4340
10	21	120	138	132	140	136	866	3690	2740	4520	3530	4270
11	20	136	138	132	156	135	858	2980	2230	4550	3620	4110
12	20	114	145	140	140	135	858	2980	1410	4590	3930	3970
13	20	158	142	141	137	142	698	3460	1280	4700	4230	3900
14	20	126	140	137	142	171	566	3430	1270	4650	4340	3690
15	20	133	135	136	142	168	644	2470	986	4610	4340	3690
16	20	144	133	137	129	197	808	7620	1760	4700	4420	3640
17	20	146	134	145	136	145	843	2440	1080	4740	4520	3480
18	20	133	151	148	122	629	850	2130	1350	4760	4650	3290
19	20	103	132	141	127	717	866	2100	1280	4850	4650	2990
20	20	126	138	139	133	542	822	1770	1300	4830	4630	2900
21	20	146	136	138	143	506	850	1750	1500	4590	4500	2800
22	20	146	131	135	141	500	850	1840	1500	4500	4400	2770
23	20	147	133	143	135	451	866	2080	1890	4420	4290	2710
24	20	141	119	139	147	288	866	2600	2000	4290	4110	2500
25	20	149	151	145	132	164	874	2850	1630	4290	4010	2100
26	20	150	120	137	154	184	938	3120	1390	4360	4130	2050
27	21	150	128	147	140	566	954	3530	1500	4440	4190	2050
28	21	132	128	137	128	801	954	3660	1730	4550	4210	1810
29	21	144	136	130	---	836	962	3590	1690	4610	4270	1330
30	43	144	142	141	---	866	962	3380	1530	4700	4270	650
31	134	---	133	146	---	850	---	3310	---	4720	4190	---
Mean	27	135	138	141	141	333	852	2536	1804	4205	4220	3354
Max.	134	158	175	163	156	866	962	3990	3530	4850	4810	4520
Min.	20	103	119	128	122	126	566	946	986	1560	3360	650
A. F.	1690	8080	8500	8680	7810	20510	50680	155970	107320	258550	259500	199580

Total acre-feet 1086870.

Record furnished by the United States Bureau of Reclamation.

**DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT WYOMING-NEBRASKA STATE LINE
Water Year Ending September 30, 1945**

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	478	417	430	390	378	391	306	424	1220	740	1190	1130
2	462	417	424	430	384	417	306	446	1050	680	1280	1160
3	454	424	417	454	398	417	301	510	1010	740	1320	1200
4	430	430	417	462	404	430	301	620	1200	911	1250	1180
5	404	438	424	470	424	470	301	701	1470	1030	1330	1130
6	404	438	417	478	430	391	306	850	1350	1140	1270	1120
7	391	486	424	462	430	365	301	1690	1480	1190	1150	1160
8	404	478	417	438	417	398	306	2620	1870	1300	1020	1210
9	360	494	404	424	424	404	301	3280	2950	1350	820	1200
10	360	486	378	404	417	438	301	3290	3250	1320	900	1220
11	365	462	404	398	410	446	301	2880	3090	1250	870	1250
12	365	454	391	391	410	417	316	2770	2460	1220	810	1210
13	360	462	398	391	410	404	365	2980	2090	1250	840	1200
14	391	454	410	404	410	398	348	3110	1880	1350	966	1140
15	446	454	404	410	417	410	372	2560	1990	1420	933	1060
16	410	438	404	410	417	417	365	2430	2110	1860	922	1100
17	410	438	391	404	424	417	391	2220	2130	1830	966	1130
18	398	462	391	410	391	410	404	1810	1890	1250	1080	1120
19	398	462	384	398	417	519	417	1590	1740	1210	1190	1060
20	391	446	398	404	391	690	378	1420	1350	1350	1350	977
21	384	446	417	384	404	670	372	1040	1130	1420	1360	988
22	410	446	391	378	398	650	365	922	977	1480	1350	977
23	378	446	365	378	398	620	378	922	966	1390	1340	977
24	372	454	330	384	404	591	438	1010	1230	1310	1280	922
25	378	446	350	391	438	537	510	1060	1210	1220	1210	922
26	378	446	320	384	372	430	462	1040	1050	1210	1160	977
27	378	417	350	378	372	343	430	1100	890	1190	1150	1010
28	360	424	400	391	365	372	424	1140	870	1140	1120	1080
29	391	446	430	372	---	338	424	1180	900	1180	1130	1010
30	343	438	440	391	---	321	424	1130	870	1210	1100	1010
31	384	---	400	410	---	301	---	1400	---	1160	1090	---
Mean	395	448	397	409	406	446	364	1618	1587	1203	1121	1094
Max.	478	494	440	478	438	690	510	3290	3250	1480	1360	1250
Min.	343	417	320	372	365	301	301	424	870	680	810	922
A.F.	24270	26680	24440	25140	22520	27420	21650	99480	94420	73990	68920	65120

Total acre-feet 574050.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT MITCHELL
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	489	722	661	587	608	619	532	640	700	420	273	303
2	547	689	661	629	624	645	527	634	582	364	634	307
3	640	689	661	640	629	634	522	689	608	319	694	323
4	717	722	678	645	634	634	522	762	763	283	1010	839
5	694	717	700	651	651	547	532	857	1440	273	907	331
6	672	717	700	656	651	552	557	925	1690	266	977	355
7	689	803	711	640	629	562	547	1290	2020	273	983	376
8	694	739	700	640	634	587	542	1970	2230	296	1280	376
9	678	717	683	634	629	587	542	2930	2980	319	629	407
10	667	711	689	634	613	656	532	3220	3280	331	537	420
11	661	689	672	640	613	711	532	3010	3320	315	532	438
12	651	678	689	634	613	678	532	2690	3160	303	461	451
13	629	678	672	634	603	645	598	2590	2430	327	415	465
14	678	678	678	645	603	640	577	2740	2060	360	661	517
15	768	667	667	613	603	640	598	2520	2390	389	582	513
16	745	656	667	613	587	640	613	2180	2650	372	479	537
17	728	645	656	613	567	634	634	1960	2860	347	433	603
18	705	651	634	603	582	629	640	1440	2490	327	420	640
19	705	694	645	603	587	651	651	1090	2360	398	442	678
20	705	700	656	593	598	785	613	900	1860	603	567	619
21	722	694	656	577	619	803	598	751	1420	582	672	629
22	728	694	651	567	593	797	582	542	1000	582	667	651
23	700	700	619	582	598	815	572	393	869	557	624	645
24	700	700	577	582	613	762	629	284	1060	465	613	634
25	694	689	637	582	608	774	733	277	938	364	542	634
26	683	672	547	619	562	683	774	311	762	307	498	608
27	678	667	557	613	572	587	700	376	522	296	465	640
28	678	661	572	582	598	593	667	381	447	292	411	990
29	705	661	608	572	-----	562	651	803	447	273	381	1080
30	672	634	634	508	-----	547	645	567	493	258	355	1450
31	694	-----	598	557	-----	537	-----	683	-----	258	331	-----
Mean	681	691	648	599	608	650	596	1303	1661	359	596	665
Max.	768	803	711	656	651	815	774	3220	3320	603	1280	1450
Min.	489	634	547	508	562	537	522	277	447	258	273	303
A.F.	41880	41130	39840	37460	33760	39940	35490	80140	98350	22060	36640	33640

Total acre-feet 540830.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT MINATARE
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	795	1050	1000	922	861	811	718	872	867	755	592	463
2	970	1050	1000	928	872	812	752	849	832	684	1040	479
3	1090	1060	984	927	892	793	746	858	835	591	988	472
4	1200	1070	951	916	907	802	724	916	990	506	1150	474
5	1180	1090	978	904	920	773	723	964	1320	463	1330	453
6	1160	1100	976	910	941	768	707	1060	1840	463	1470	473
7	1160	1240	964	917	959	756	723	1170	2110	565	1420	600
8	1160	1230	944	947	969	791	712	1530	2270	448	1810	577
9	1170	1150	944	952	985	840	722	2180	2820	448	1270	601
10	1110	1120	945	948	989	889	724	2880	3140	435	963	659
11	1100	1090	948	953	964	976	714	3040	3320	405	886	693
12	1100	1100	970	945	936	935	700	2860	3230	391	790	711
13	1090	1090	971	951	904	890	818	2650	2920	415	751	743
14	1060	1090	969	977	915	867	786	2730	2490	492	807	778
15	1100	1090	953	993	906	870	781	2820	2620	596	927	794
16	1140	1090	940	984	882	867	847	2520	2780	629	751	822
17	1130	1070	956	987	883	851	876	2280	2700	532	696	889
18	1120	1050	943	962	840	843	879	2010	2710	491	626	938
19	1120	1060	943	956	791	852	891	1620	2450	530	611	1090
20	1100	1040	961	906	792	937	897	1400	2170	824	672	1080
21	1100	1040	964	867	798	1040	863	1220	1800	945	807	1070
22	1080	1030	954	834	792	1040	841	873	1490	988	845	1080
23	1090	1040	929	862	796	1030	823	634	1350	964	818	1100
24	1050	1040	904	889	824	1000	817	485	1700	856	809	1110
25	1040	1040	892	903	835	1050	904	358	1410	793	789	1080
26	1040	1010	895	912	819	1010	1040	351	1250	681	780	1070
27	1060	1050	865	922	809	911	1000	484	1070	630	754	1020
28	1060	1040	911	901	819	835	954	531	949	589	654	1280
29	1060	1040	898	883	-----	803	902	791	818	562	573	1460
30	1070	1020	857	874	-----	763	878	742	827	548	526	1630
31	1030	-----	955	855	-----	735	-----	702	-----	489	492	-----
Mean	1088	1076	947	922	879	875	815	1433	1903	603	884	856
Max.	1200	1240	1000	993	989	1050	1040	3040	3320	985	1810	1630
Min.	795	1010	865	834	791	735	700	351	818	391	492	453
A.F.	66910	64030	53240	56700	48790	53830	48520	88090	113210	37080	54350	50960

Total acre-feet 740710.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT BRIDGEPORT
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1270	1630	1480	1160	1120	1200	1080	1110	1460	1260	761	757
2	1500	1640	1520	1160	1150	1190	1060	1070	1510	1120	1890	743
3	1730	1610	1550	1160	1150	1110	1020	1030	1570	871	1620	811
4	1900	1570	1540	1160	1190	1080	964	1080	1650	642	1640	759
5	2020	1550	1540	1160	1270	1080	951	1150	1980	523	1900	734
6	1990	1530	1540	1160	1330	1010	999	1230	2900	542	2100	687
7	1890	1880	1500	1160	1300	1060	1010	1290	2980	662	2120	871
8	1820	1840	1470	1200	1290	1090	1010	1500	3120	562	2460	967
9	1770	1570	1430	1200	1190	1130	974	1090	3540	523	2170	963
10	1690	1490	1330	1210	1240	1180	927	2570	4010	513	1640	1020
11	1650	1440	1270	1250	1230	1230	929	3230	3920	517	1530	1080
12	1650	1460	1260	1260	1210	1250	962	3400	4200	516	1420	1120
13	1660	1480	1300	1240	1190	1200	1070	3140	4080	539	1340	1150
14	1630	1480	1300	1230	1180	1150	1170	3000	3640	549	1200	1210
15	1610	1500	1330	1190	1200	1130	1150	3150	3640	657	1320	1250
16	1620	1530	1330	1160	1230	1130	1240	3360	3800	826	1180	1270
17	1670	1530	1340	1140	1240	1110	1290	2950	3590	849	1060	1420
18	1610	1520	1340	1130	1290	1090	1300	2660	3370	770	952	1500
19	1540	1490	1320	1140	1310	1090	1340	2270	3340	763	848	1720
20	1510	1490	1340	1160	1200	1170	1360	1910	2990	841	874	1750
21	1540	1490	1350	1180	1170	1300	1340	1740	2540	1080	1030	1760
22	1580	1470	1330	1120	1090	1400	1280	1520	2200	1160	1150	1780
23	1580	1460	1260	1130	1050	1420	1230	1240	1920	1210	1130	1800
24	1570	1420	1200	1140	1030	1380	1230	1020	2210	1110	1080	1800
25	1560	1400	1170	1120	1080	1520	1240	772	2170	1130	1070	1800
26	1580	1430	1140	1090	1070	1480	1300	592	2000	984	1060	1800
27	1600	1430	1130	1080	1140	1320	1320	806	1940	915	1020	1730
28	1610	1480	1160	1070	1190	1240	1230	876	1810	830	950	1940
29	1610	1510	1200	1070	-----	1190	1130	1160	1560	794	888	2320
30	1590	1480	1220	1110	-----	1150	1130	1370	1400	752	837	2290
31	1600	-----	1220	1110	-----	1130	-----	1350	-----	714	784	-----
Mean	1650	1527	1336	1156	1190	1200	1141	1791	2701	798	1323	1363
Max.	2020	1880	1550	1260	1330	1520	1360	3400	4200	1260	2460	2390
Min.	1270	1400	1130	1070	1030	1010	977	592	1400	513	761	687
A.F.	101450	90840	82140	71110	66110	73800	67910	110150	160740	49040	81350	81130

Total acre-feet 1035770.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT LISCO
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1320	1550	1460	1200	1300	1310	1040	1250	1420	1370	825	813
2	1510	1550	1490	1200	1300	1370	1100	1210	1440	1270	1360	813
3	1620	1580	1620	1200	1300	1460	1190	1190	1680	1160	2110	801
4	1830	1620	1600	1200	1300	1510	1160	1160	1630	937	1890	789
5	1880	1650	1580	1200	1300	1100	1140	1150	1960	765	1990	742
6	1830	1680	1570	1200	1300	1150	1110	1240	2340	765	2320	801
7	1710	2030	1570	1200	1440	1200	1150	1280	2960	1040	2320	777
8	1600	2410	1550	1250	1430	1310	1150	1320	3050	849	2360	950
9	1650	2060	1550	1300	1480	1300	1150	1650	3170	754	2560	1040
10	1680	1810	1490	1500	1430	1360	1140	2030	3490	719	2100	1070
11	1600	1760	1430	1800	1400	1370	1060	2430	4130	708	1780	1140
12	1600	1780	1430	1430	1380	1400	1070	2920	4100	696	1630	1150
13	1630	1760	1440	1370	1370	1420	1210	3210	4260	684	1520	1160
14	1700	1710	1460	1130	1370	1370	1300	3130	4260	719	1430	1180
15	1740	1690	1480	1120	1400	1360	1310	2980	4170	765	1300	1270
16	1740	1640	1460	1190	1400	1320	1440	2900	3930	911	1370	1340
17	1740	1620	1460	1200	1420	1280	1380	3020	3910	924	1160	1430
18	1710	1600	1430	1200	1330	1270	1320	2750	3770	849	1040	1550
19	1660	1580	1430	1240	1220	1280	1320	2400	3580	813	924	1650
20	1660	1580	1480	1240	1380	1280	1360	2030	3390	801	873	1790
21	1630	1580	1430	1200	1370	1360	1370	1960	3070	873	976	1760
22	1630	1570	1430	1180	1290	1510	1340	1600	2510	1040	1070	1760
23	1650	1570	1200	1190	1310	1490	1310	1310	2270	1160	1120	1730
24	1630	1570	1200	1200	1330	1490	1310	1070	2520	1240	1070	1740
25	1650	1590	1200	1220	1370	1760	1370	873	2600	1110	1030	1780
26	1660	1600	1200	1220	1340	1890	1370	730	2200	1150	1180	1830
27	1700	1650	1100	1240	1320	1630	1510	885	2010	1020	1220	2150
28	1730	1710	1100	1270	1300	1440	1480	937	1960	963	1150	2180
29	1700	1630	1100	1340	-----	1300	1340	1190	1700	924	1000	2430
30	1650	1500	1100	1280	-----	1160	1270	1310	1490	898	911	2650
31	1600	-----	1100	1000	-----	1060	-----	1430	-----	837	861	-----
Mean	1666	1688	1382	1249	1353	1371	1259	1760	2834	926	1434	1409
Max.	1880	2410	1620	1800	1480	1890	1510	3210	4260	1370	2560	2650
Min.	1320	1500	1100	1000	1220	1060	1040	730	1420	684	825	742
A.F.	102430	100420	84970	76780	75130	84320	74920	108190	168630	56950	88170	83830

Total acre-feet 1104740.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT OSHKOSH
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1120	1590	1390	1200	700	1300	1270	1270	1440	1480	773	793
2	1310	1560	1390	1210	1400	1320	1320	1200	1380	1320	995	762
3	1500	1500	1680	1210	1400	1360	1390	1120	1520	1240	1700	809
4	1700	1570	1780	1210	1400	1410	1320	1040	1560	1110	1810	896
5	1850	1630	1630	1210	1400	1200	1320	1070	1830	920	1850	867
6	1890	1650	1610	1210	1400	1200	1290	1220	2210	860	2330	867
7	1810	1870	1570	1210	1400	1250	1320	1440	2620	875	2290	780
8	1800	2000	1540	1280	1400	1250	1320	1440	3010	816	2360	795
9	1800	2000	1500	1360	1400	1290	1240	1640	3080	730	2390	929
10	1800	2000	1500	1500	1400	1320	1170	1920	3280	702	2250	973
11	1810	1700	1480	1600	1400	1360	1170	2290	3620	702	1740	1130
12	1740	1700	1460	1530	1400	1380	1120	2720	4050	688	1650	1160
13	1760	1700	1510	1470	1410	1430	1360	3330	3920	661	1530	1150
14	1800	1700	1490	1390	1400	1470	1430	3600	4050	620	1480	1160
15	1810	1700	1520	1170	1400	1360	1480	3450	4260	568	1320	1210
16	1810	1700	1470	1260	1400	1320	1740	3120	4070	661	1340	1330
17	1720	1700	1520	1260	1400	1270	1650	3140	3830	715	1330	1380
18	1650	1700	1390	1260	1400	1290	1500	3160	3940	773	1180	1540
19	1560	1700	1480	1260	1400	1290	1410	2650	3810	773	1050	1670
20	1520	1700	1430	1260	1400	1260	1390	2210	3560	846	387	1820
21	1430	1700	1490	1260	1400	1270	1360	1900	3390	860	1050	1860
22	1430	1700	1320	1260	1400	1340	1390	1580	2820	1030	1040	1840
23	1480	1700	1150	1260	1400	1470	1360	1320	2250	1060	1020	1830
24	1420	1620	1120	1260	1400	1520	1380	1140	2180	1270	1010	1840
25	1610	1640	1130	1260	1400	1740	1380	921	2460	1240	1040	1940
26	1650	1560	1160	1260	1400	1930	1380	816	2230	1140	1130	2070
27	1650	1570	1090	1260	1400	1700	1570	890	2080	995	1760	2290
28	1630	1570	1110	1260	1400	1500	1740	1040	2120	905	1290	2350
29	1650	1500	1100	1260	-----	1450	1470	1200	1920	816	1180	2430
30	1610	1240	1090	1020	-----	1380	1310	1210	1690	816	989	2780
31	1610	-----	1080	870	-----	1360	-----	1410	-----	802	882	-----
Mean	1646	1672	1393	1267	1375	1386	1385	1824	2806	903	1443	1442
Max.	1890	2000	1780	1600	1410	1930	1740	3600	4260	1480	2390	2780
Min.	1120	1240	1080	870	700	1200	1120	816	1380	568	773	762
A.F.	101220	99510	85650	77930	76380	85210	82410	112180	166970	55530	88750	85790

Total acre-feet 1117530.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT LEWELLEN
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1220	1700	1960	1350	890	1480	1400	1490	1620	1550	937	754
2	1380	1710	1690	1220	1060	1570	1450	1400	1600	1390	1260	754
3	1470	1710	1730	1220	1710	1510	1520	1360	1840	1280	1500	745
4	1600	1700	1850	1220	1890	1540	1490	1350	1940	1070	1960	772
5	1860	1700	1810	1220	1830	1340	1420	1370	2110	842	1970	773
6	1940	1680	1720	1220	1980	1410	1380	1430	2370	829	2220	732
7	1920	1840	1620	1220	1720	1450	1360	1570	2620	835	2360	749
8	1840	2300	1460	1220	1760	1810	1360	1550	3460	949	2430	751
9	1820	2420	1210	1400	1840	1640	1350	1690	3750	718	2390	875
10	1860	2070	1200	1950	1680	1520	1350	2030	3680	702	2430	910
11	1860	1940	1750	1900	1690	1570	1340	2420	3790	730	1910	1020
12	1800	1880	1850	1920	1660	1590	1310	2820	4290	685	1650	1180
13	1790	1860	1840	1890	1660	1600	1610	3300	4270	657	1540	1190
14	1760	1840	1730	1890	1660	1590	1640	3750	4300	645	1480	1250
15	1820	1800	1730	1750	1630	1560	1630	3800	4680	659	1390	1310
16	1820	1800	1530	1530	1620	1520	1910	3480	4660	736	1300	1430
17	1770	1800	1620	1480	1420	1440	1830	3320	4430	780	1320	1530
18	1780	1820	1410	1530	1690	1420	1720	3380	4340	788	1140	1600
19	1730	1840	1360	1530	1490	1380	1690	3090	4190	843	1030	1700
20	1720	1860	1540	1570	1550	1370	1590	2600	3630	887	952	1760
21	1700	1810	1410	1440	1680	1370	1560	2260	3690	858	1190	1890
22	1700	1800	1260	1270	1750	1440	1530	2020	3200	915	1120	1850
23	1700	1800	1310	1310	1820	1550	1490	1710	2430	1010	1150	1890
24	1670	1850	1180	1410	1880	1560	1530	1460	2180	1140	1190	1890
25	1660	2080	1130	1540	1690	1680	1580	1190	2510	1210	1180	1950
26	1680	1730	1230	1590	1280	1980	1620	1050	2390	1060	1220	2320
27	1690	1730	1460	1540	1270	1930	1650	1010	2080	1016	1780	2500
28	1700	1780	1490	1310	1540	1700	1800	1080	2080	914	1370	2690
29	1700	1810	1420	1170	-----	1540	1620	1260	1950	854	1110	2510
30	1720	1580	1540	950	-----	1440	1510	1470	1750	817	996	2860
31	1700	-----	1500	790	-----	1420	-----	1510	-----	793	884	-----
Mean	1722	1841	1534	1437	1619	1545	1539	2038	3071	908	1495	1471
Max.	1940	2420	1960	1960	1980	1980	1910	3800	4680	1550	2430	2860
Min.	1220	1580	1130	790	890	1340	1310	1010	1600	645	884	732
A.F.	105900	109600	94290	88360	89930	95030	91580	125300	182700	55830	91950	87540

Total acre-feet 1218000.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT KEYSTONE
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	304	427	1240	335	5	5	5	5	270	92	2060	286
2	283	537	1260	288	5	5	5	5	200	94	1960	292
3	247	601	1270	262	5	5	5	5	219	98	1940	368
4	230	612	1270	215	5	5	5	5	223	96	1950	458
5	278	618	1270	6	5	5	5	5	261	96	1950	730
6	255	656	1450	6	5	5	5	5	193	94	1950	856
7	240	700	1530	6	5	5	5	5	77	182	1920	1040
8	236	672	1450	6	5	5	5	5	136	310	1840	1130
9	238	656	1440	6	5	5	5	5	131	292	1730	1170
10	242	684	1310	6	5	5	5	5	115	391	1630	1220
11	238	706	1140	6	5	5	5	35	113	349	1610	1280
12	236	825	1010	6	5	5	5	223	110	353	1620	1250
13	234	909	1060	6	5	5	5	236	108	353	1630	1190
14	238	846	958	179	5	5	5	244	108	410	1540	1120
15	226	860	786	6	5	5	5	248	108	624	1450	931
16	205	881	754	6	5	5	5	248	30	904	1370	892
17	234	881	748	6	5	5	5	223	3	562	1240	880
18	244	909	773	6	5	5	5	223	2	653	1160	892
19	247	1100	760	6	5	5	5	223	2	783	1180	811
20	249	1280	672	6	5	5	5	219	9	794	1190	648
21	312	1270	579	6	5	5	5	257	110	794	1040	576
22	266	1270	564	6	5	5	5	223	110	789	600	466
23	271	1270	569	6	5	5	5	232	108	789	576	479
24	269	1310	569	6	5	5	5	228	108	800	466	466
25	262	1370	564	6	5	5	5	279	106	800	585	462
26	260	1340	564	6	5	5	5	364	101	778	562	500
27	257	1350	542	6	5	5	5	387	106	772	526	504
28	257	1340	404	6	5	5	5	370	97	931	379	462
29	288	1240	354	6	5	5	5	370	92	1280	346	364
30	364	1230	318	6	5	5	5	182	92	1880	296	387
31	497	-----	217	6	5	5	-----	215	-----	2170	282	-----
Mean	265	948	883	46	5	5	5	170	115	623	1244	737
Max.	497	1370	1530	335	5	5	5	387	270	2170	2050	1280
Mini.	205	527	217	6	5	5	5	5	2	92	282	286
A. F.	16280	50430	54320	2850	280	310	300	10470	6840	38310	76500	43850

Total acre-feet 360740.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT SUTHERLAND
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	162	504	1630	450	100	152	98	112	236	74	1740	53
2	200	536	1640	470	120	123	92	83	274	63	1970	43
3	215	578	1630	520	130	130	123	83	258	48	1840	48
4	195	755	1620	650	140	160	152	77	292	28	1690	60
5	195	755	1600	410	140	120	144	68	698	17	1700	102
6	175	755	1580	360	120	140	116	58	632	17	1720	372
7	162	825	1600	340	130	200	106	53	405	13	1720	596
8	152	908	1910	320	130	210	123	51	328	24	1770	835
9	148	918	1750	290	130	160	109	48	623	43	1680	835
10	152	929	1830	230	126	157	92	39	480	74	1560	866
11	144	950	1690	190	130	157	92	33	304	185	1350	918
12	130	994	1530	180	134	152	98	30	230	215	1260	1070
13	144	1070	1320	150	134	148	195	53	175	190	1400	1210
14	157	1140	1350	110	134	144	162	123	152	180	1400	1080
15	180	1100	1260	160	134	134	152	95	180	465	1400	1080
16	175	1110	1000	120	120	134	304	86	190	736	1270	950
17	148	1190	950	110	41	134	372	130	139	972	1170	866
18	175	1180	940	106	22	130	242	144	80	552	1050	866
19	230	1170	961	120	41	130	162	139	68	552	918	918
20	292	1220	940	116	120	123	139	134	120	707	1040	815
21	322	1500	825	134	126	120	130	190	77	698	1500	614
22	328	1500	770	123	120	120	126	134	63	716	1640	528
23	292	1500	750	180	150	139	126	95	55	688	785	472
24	274	1520	720	180	150	139	126	83	65	707	560	398
25	269	1720	720	150	130	144	148	63	71	940	386	435
26	280	1800	730	150	110	195	139	58	53	866	392	641
27	288	1700	720	150	140	170	152	372	51	736	480	669
28	304	1690	800	130	150	144	205	346	134	669	353	641
29	310	1640	800	95	-----	126	170	379	89	755	242	552
30	322	1600	700	63	-----	116	130	353	80	1040	175	560
31	372	-----	600	90	-----	109	-----	274	-----	1220	83	-----
Mean	223	1159	1189	218	120	144	151	129	220	458	1169	636
Max.	372	1800	1910	550	150	210	372	379	698	1220	1970	1210
Min.	130	504	600	63	22	109	92	30	51	13	83	43
A.F.	13690	68940	73120	13380	6650	8850	8980	7910	13090	28150	71890	37870

Total acre-feet 352520.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT NORTH PLATTE
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	419	712	1820	630	330	300	311	376	472	305	1450	299
2	459	803	1820	320	390	240	299	305	500	283	1920	305
3	472	880	1820	340	440	270	328	277	500	277	2330	288
4	652	972	1820	560	380	310	357	261	552	261	2210	250
5	445	1050	1820	740	450	220	351	245	1050	245	2380	215
6	388	1070	1820	620	460	200	334	250	1390	256	2310	283
7	369	1060	1820	560	380	370	322	240	985	256	2160	636
8	384	1130	1960	530	460	440	316	230	750	288	2140	1010
9	413	1130	2230	500	440	410	328	250	985	272	2100	1060
10	413	1100	1960	480	430	382	340	245	1140	334	2020	1040
11	407	1130	1900	530	430	376	322	240	740	515	1790	1080
12	426	1150	1740	550	440	357	328	235	577	560	1600	1210
13	439	1220	1630	560	430	351	394	240	465	515	1740	1320
14	419	1310	1550	650	440	357	492	322	413	459	1680	1320
15	439	1370	1550	510	440	357	432	376	465	530	1620	1300
16	465	1260	1420	500	400	369	545	363	485	845	1600	1240
17	419	1260	1280	430	350	376	712	345	419	1080	1470	1130
18	407	1290	1300	420	330	363	545	328	357	1080	1300	1130
19	478	1270	1260	440	400	351	426	316	305	750	1150	1300
20	508	1320	1300	460	360	363	363	328	382	834	1100	1320
21	530	1480	1280	410	450	363	340	426	357	926	1580	1130
22	545	1690	1190	290	410	363	322	407	299	926	2230	972
23	560	1690	1000	400	400	376	311	357	267	914	1960	845
24	545	1700	930	520	370	394	316	322	277	834	914	761
25	515	1810	870	610	230	363	345	245	283	1190	712	730
26	492	1890	860	420	210	382	376	230	277	1280	636	972
27	522	2000	890	340	260	394	394	721	267	1080	702	1210
28	560	1830	860	290	280	357	445	761	419	985	654	1220
29	560	1770	1050	350	-----	340	426	674	388	937	530	1010
30	611	1820	1090	370	-----	340	376	712	334	1100	452	902
31	611	-----	860	280	-----	340	-----	594	-----	1310	369	-----
Mean	474	1339	1442	468	385	348	383	362	537	691	1511	916
Max.	611	2000	2230	740	460	440	712	761	1390	1310	2380	1320
Min.	369	712	860	280	210	200	299	230	267	245	369	215
A. F.	29120	79670	88680	28780	21400	21370	22800	22260	31930	42500	92900	54520

Total acre-feet 535930

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER
AT JULESBURG, COLORADO
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	42	101	351	330	391	329	171	187	191	136	126	123
2	52	99	361	346	353	330	162	187	180	117	154	109
3	51	97	365	359	355	328	168	180	175	106	191	100
4	58	99	376	416	358	329	215	165	190	98	176	91
5	69	101	377	378	375	308	250	138	271	88	162	87
6	64	105	378	357	377	327	253	122	405	81	138	81
7	58	106	380	361	375	322	246	118	490	84	119	73
8	60	106	388	356	374	325	243	112	792	70	105	71
9	67	108	388	347	367	316	240	111	1120	64	182	61
10	79	109	380	344	367	307	218	117	1040	60	290	59
11	82	113	369	346	363	306	186	99	990	59	619	58
12	84	118	386	351	367	289	196	87	1160	65	1280	59
13	77	120	388	360	367	249	168	71	1140	61	1420	59
14	73	130	390	361	367	214	151	70	903	54	1630	57
15	79	187	382	358	363	178	163	83	815	73	1930	54
16	82	231	367	350	356	174	205	82	743	81	1540	52
17	82	256	364	354	341	193	239	74	739	69	1100	50
18	80	271	347	351	341	249	247	70	727	58	812	50
19	77	284	309	366	338	270	263	62	699	105	584	50
20	76	298	278	358	358	286	271	59	681	188	512	49
21	78	306	291	354	354	294	234	59	609	165	491	48
22	88	316	310	343	340	299	219	55	533	142	452	48
23	95	319	316	338	337	288	221	50	420	120	429	48
24	98	326	322	349	325	279	218	63	389	118	1240	48
25	107	360	315	345	330	282	193	52	311	161	1600	46
26	110	290	296	344	317	290	174	55	267	176	1570	48
27	108	293	312	342	316	286	183	62	230	157	1370	148
28	106	318	311	331	321	263	189	74	206	140	1110	346
29	105	340	304	320	-----	252	183	131	181	147	690	459
30	100	342	306	401	-----	245	190	166	165	153	391	514
31	101	-----	317	445	-----	205	-----	187	-----	148	206	-----
Mean	80	208	346	357	353	278	209	102	559	108	730	105
Max.	110	360	390	445	391	330	271	187	1160	188	1930	514
Min.	42	97	278	320	316	174	151	50	165	54	105	46
A. F.	4930	12390	21270	21940	19620	17080	12410	6240	33250	6630	44860	6240

Total acre-feet 206900

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT PAXTON
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	66	300	353	311	353	229	212	177	237	129	360
2	20	62	300	332	322	365	221	201	174	199	129	275
3	21	61	290	260	359	371	204	194	163	177	108	219
4	22	61	300	242	396	384	197	183	169	163	150	172
5	23	61	300	295	396	371	204	183	229	152	160	137
6	23	69	310	337	390	353	229	179	299	124	172	112
7	23	73	300	359	408	348	246	159	342	97	157	95
8	22	75	300	396	414	337	250	146	396	85	147	82
9	22	77	310	402	414	342	250	140	510	78	132	73
10	22	80	310	414	408	332	229	126	852	75	124	66
11	23	80	320	421	414	326	221	123	1060	73	75	65
12	26	84	330	421	402	321	204	120	1090	73	172	64
13	30	90	310	441	396	337	197	110	1060	73	520	62
14	32	92	340	455	396	342	190	101	1060	71	702	58
15	35	94	340	414	396	311	197	94	964	73	916	52
16	40	101	350	396	390	280	233	88	916	80	1260	50
17	43	110	350	390	384	242	270	86	822	78	1270	48
18	46	150	350	384	359	233	285	84	800	73	1060	48
19	48	162	370	390	337	233	275	80	764	70	830	51
20	52	183	384	384	353	260	280	82	729	66	708	51
21	50	201	377	384	371	285	280	88	715	68	838	53
22	49	216	384	396	371	290	280	90	689	75	644	60
23	50	229	377	396	359	311	270	101	638	78	546	62
24	61	233	342	402	353	295	246	108	579	75	494	62
25	68	270	246	408	353	265	233	108	530	97	689	62
26	77	280	216	408	348	275	233	110	464	102	1170	84
27	77	270	183	408	342	285	221	120	382	112	1270	122
28	77	270	172	402	353	275	229	115	325	122	1060	112
29	77	280	201	408	---	260	225	123	291	120	815	142
30	77	290	250	384	---	246	212	150	248	117	620	226
31	69	---	321	337	---	233	---	172	---	127	464	---
Mean	43	146	308	381	375	305	235	128	581	104	565	104
Max.	77	290	384	455	414	384	285	212	1090	237	1270	360
Min.	19	61	172	242	311	233	190	80	163	66	75	48
A. F.	2630	8670	18910	23440	20840	18770	13960	7890	34590	6370	34750	6200

Total acre-feet 197020.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT NORTH PLATTE
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	99	158	410	320	400	407	344	311	311	400	177	570
2	110	162	410	320	400	407	333	295	306	368	185	469
3	115	158	390	230	400	420	316	275	311	328	181	388
4	112	148	400	260	400	420	328	260	338	300	185	338
5	118	154	410	260	400	400	322	265	455	250	246	290
6	115	158	420	260	400	420	322	265	570	210	241	265
7	112	154	420	290	400	434	322	260	546	189	246	260
8	118	160	420	310	400	420	333	246	546	218	250	285
9	118	165	430	310	682	434	355	232	774	185	246	265
10	118	169	430	300	514	414	333	210	964	223	228	228
11	118	173	440	320	469	388	333	193	1010	228	197	210
12	112	177	434	400	462	381	333	193	1110	189	177	189
13	112	169	414	480	427	427	338	197	1140	151	250	177
14	115	185	368	490	427	483	362	205	1100	140	394	169
15	120	165	374	490	469	490	362	205	1100	162	546	162
16	122	169	381	490	441	448	374	205	1050	210	745	151
17	128	185	355	483	462	322	427	201	1020	169	964	148
18	137	201	311	490	462	322	448	201	954	144	1050	144
19	140	214	362	469	455	322	434	201	935	162	944	181
20	140	228	362	455	448	322	407	205	973	162	821	189
21	140	236	381	455	434	344	394	218	840	158	926	173
22	148	270	394	455	448	381	214	718	162	1040	158	158
23	151	285	370	462	434	355	350	210	655	165	868	151
24	148	295	370	455	407	333	328	205	664	177	745	154
25	148	350	370	455	400	328	322	205	638	228	646	158
26	154	374	370	455	420	333	328	205	562	232	802	189
27	154	368	370	455	448	350	328	374	522	223	1110	218
28	154	355	370	469	434	350	322	414	530	210	1200	275
29	158	368	370	469	---	350	311	368	465	197	1070	285
30	158	400	370	427	---	350	306	344	427	189	888	306
31	154	---	370	400	---	350	---	322	---	177	700	---
Mean	131	225	389	399	441	383	350	249	717	210	589	238
Max.	158	400	440	490	682	490	448	414	1140	400	1200	570
Min.	99	148	311	230	400	322	306	193	306	140	177	144
A. F.	8030	13390	23890	24560	24480	23580	20820	15280	42690	12900	36290	14170

Total acre-feet 260020.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT BRADY
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	94	117	1100	230	200	160	129	156	231	145	514	141
2	105	121	1050	220	190	150	125	151	189	135	641	129
3	111	121	940	230	190	140	135	137	163	121	990	113
4	122	126	830	210	200	160	149	136	160	115	1290	116
5	133	131	850	230	190	120	156	132	267	109	1270	112
6	113	136	770	240	220	130	152	128	410	111	1400	92
7	110	144	620	220	200	160	142	126	431	129	1400	101
8	110	137	850	210	220	180	135	123	351	191	1300	254
9	105	134	910	200	260	230	130	125	685	173	1310	434
10	102	141	730	200	240	199	133	128	841	167	1340	346
11	97	141	950	200	220	186	160	124	533	208	1240	364
12	101	143	810	220	180	169	145	123	385	226	1080	428
13	101	146	531	230	180	162	161	116	298	206	922	485
14	103	137	310	220	180	162	183	126	242	189	1060	503
15	103	132	180	190	170	165	201	130	219	174	1140	526
16	106	132	160	180	160	162	253	126	204	174	1090	487
17	102	132	160	170	160	160	328	123	194	169	1200	315
18	103	137	200	160	150	150	290	119	190	160	1250	374
19	111	139	200	170	160	142	244	119	182	163	1150	347
20	110	139	210	170	210	142	212	115	205	147	728	381
21	113	137	190	140	180	141	192	138	199	138	1130	336
22	113	145	180	170	200	138	176	132	184	163	1430	200
23	112	152	180	170	200	139	163	127	163	144	1140	121
24	107	164	230	170	180	145	159	114	228	187	936	104
25	109	205	240	190	160	142	161	108	252	308	425	106
26	111	174	230	180	140	147	157	176	215	853	307	206
27	108	400	250	190	170	143	156	369	174	651	209	333
28	109	690	360	160	180	135	160	461	172	369	339	398
29	115	690	280	160	-----	134	160	356	167	262	409	263
30	114	850	340	150	-----	133	156	287	152	237	406	210
31	113	-----	410	150	-----	134	-----	277	-----	302	239	-----
Mean	109	210	492	191	189	154	173	165	276	220	945	278
Max.	133	850	1100	240	255	230	328	461	841	853	1430	526
Min.	94	117	160	140	151	120	125	108	152	109	209	92
A. F.	6680	12480	30250	11760	10490	9440	10320	10130	16440	13540	58090	16520
Total acre-feet	206140.											

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT COZAD
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	77	77	1400	260	250	280	170	264	360	81	81	180
2	112	87	1280	290	250	280	162	248	241	59	94	82
3	125	96	1190	270	250	220	163	224	183	47	162	42
4	148	96	1080	280	250	270	187	220	173	51	281	41
5	183	115	1100	270	250	200	214	207	348	66	324	52
6	172	138	1000	260	250	200	231	212	545	60	118	59
7	137	172	900	280	250	200	230	183	532	106	73	51
8	53	154	940	280	250	230	230	139	434	313	191	84
9	25	157	940	250	360	270	230	155	1090	312	172	185
10	45	154	570	280	360	320	220	158	1800	220	143	342
11	79	149	690	280	330	300	203	158	1090	284	130	306
12	83	152	440	280	320	280	210	149	694	283	77	276
13	101	154	690	240	310	253	216	138	450	249	112	311
14	103	149	940	250	300	226	222	184	326	197	72	330
15	149	141	830	250	270	229	267	238	313	137	160	364
16	209	154	500	200	240	232	336	245	301	122	126	309
17	193	136	350	200	180	232	413	229	235	118	23	276
18	149	149	300	220	120	234	368	199	201	74	42	244
19	122	169	270	230	150	230	345	185	174	125	178	239
20	115	175	250	240	240	220	314	185	192	178	191	235
21	122	169	230	240	250	212	286	194	162	100	379	243
22	125	163	230	200	220	193	261	172	113	86	841	203
23	125	178	220	220	240	193	234	172	97	162	747	159
24	112	188	460	250	280	194	218	141	252	164	627	134
25	103	260	930	290	260	183	211	89	237	171	470	83
26	92	200	880	280	200	175	200	153	183	245	405	70
27	92	200	780	280	200	177	217	427	139	200	475	160
28	79	230	770	250	220	171	227	387	124	79	459	293
29	81	260	860	220	-----	167	232	337	120	95	530	271
30	79	1080	780	250	-----	165	229	272	114	77	553	217
31	77	-----	510	250	-----	173	-----	768	-----	108	372	-----
Mean	112	190	720	253	252	223	242	227	374	147	278	195
Max.	209	1080	1400	290	360	320	413	768	1800	313	841	364
Min.	25	77	220	200	120	165	162	89	97	47	23	41
A. F.	6880	11310	44250	15550	13980	13680	14370	13950	22260	9060	17070	11590
Total acre-feet	193950.											

BUREAU OF IRRIGATION

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT OVERTON
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	272	1110	1890	1400	1500	1310	580	1110	2490	182	284	1000
2	448	1280	1640	1400	1700	1500	752	974	2080	224	400	776
3	752	1250	1380	1400	1550	1850	1060	1220	728	680	580	824
4	800	1250	1440	1400	1160	1500	1280	1080	1250	384	272	1250
5	848	1080	1500	1400	1640	1600	1110	1340	2200	416	146	896
6	896	1250	1680	1400	1970	1800	974	296	2840	728	284	704
7	728	1160	2080	1400	1680	1890	1110	1140	2040	660	368	660
8	448	1410	2280	1400	1440	1710	272	872	1850	600	336	416
9	776	1340	2320	1400	1500	1570	776	1000	3630	1110	320	200
10	848	1250	1890	1780	1470	1440	776	704	3340	824	368	368
11	728	1060	2240	1380	1220	752	1380	848	4700	848	224	480
12	752	896	2390	1250	1780	824	1030	920	3440	776	272	400
13	776	1080	2470	1060	1850	1340	1080	560	2450	872	384	296
14	872	1380	2260	824	1710	1640	1000	1140	2120	728	336	284
15	480	1380	2190	1190	1640	1540	480	1250	2890	155	272	400
16	540	1220	1900	1470	1640	1500	1570	1030	2240	448	320	400
17	464	1140	1480	1540	2050	1280	1220	848	1340	1340	500	728
18	848	1140	2020	1540	1650	1110	974	728	1640	1140	640	974
19	776	728	1920	1560	1870	1440	872	620	1890	824	520	947
20	920	1000	1810	1570	1450	1570	1030	308	1780	704	480	640
21	1000	1140	1850	1340	1420	1640	1380	824	2040	620	974	752
22	1190	1220	1920	1310	1330	1570	464	872	2040	728	920	920
23	896	1030	2190	1340	1220	1410	1190	1000	1850	1190	1310	680
24	1250	1000	1970	1470	1310	1190	1250	1140	1380	1190	1060	728
25	1110	1600	1870	1500	1280	920	1470	1250	1060	848	947	448
26	1060	1030	2100	1280	2200	1000	1280	1060	1540	540	680	896
27	1080	1640	2050	1310	1600	1140	1220	464	1710	432	1410	896
28	1110	1540	2080	1220	1250	1080	1250	1220	1440	248	1190	1710
29	947	1680	1700	1160	-----	1030	464	1250	896	46	1540	752
30	1140	1970	1500	1340	-----	1000	660	640	680	33	1850	560
31	1140	-----	1300	1440	-----	1140	-----	1740	-----	128	1410	-----
Mean	835	1242	1913	1368	1574	1364	998	950	2055	634	664	700
Max.	1250	1970	2470	1780	2200	1890	1570	1740	4700	1340	1850	1710
Min.	272	728	1300	824	1160	752	272	296	680	33	146	200
A.F.	51360	73890	117640	84130	87430	83870	59410	58410	122310	33970	40850	41620

Total acre-feet 859890.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT ODESSA
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	548	1210	2000	1400	1440	1170	678	548	3190	312	5	853
2	486	1170	1820	1400	1570	1300	470	660	2620	123	7	548
3	563	1260	1600	1640	1560	1600	610	578	1910	204	38	548
4	635	1210	1850	1470	1400	1620	1000	532	976	443	102	820
5	858	1280	1700	1410	960	1400	730	470	2100	109	95	956
6	765	1120	1900	1490	1440	1700	800	532	3900	233	30	678
7	748	1300	2200	1410	1260	1800	712	185	2710	376	10	730
8	678	1350	2390	1160	1530	1700	563	594	2370	486	12	642
9	594	1500	2070	1050	1730	1500	301	376	3860	578	26	486
10	712	1280	2330	1250	1280	1280	470	516	5590	748	14	267
11	765	1230	2700	1340	1220	1190	642	312	4480	660	3	516
12	730	1120	2790	1510	1150	642	730	532	3940	578	0	610
13	800	839	2930	1720	1330	956	858	625	2460	430	26	563
14	956	1330	2800	1530	1300	1120	936	548	2100	470	74	456
15	956	1370	2550	1390	1280	1300	700	765	2550	290	47	470
16	800	1260	2200	1690	1130	1230	1400	610	2880	148	30	594
17	839	1300	1900	1950	1450	1120	1350	594	1620	376	17	660
18	936	1350	2200	1970	1450	1280	1060	548	1350	548	81	976
19	1170	1280	2100	1760	1450	1060	748	532	1470	456	148	1040
20	1230	976	2000	1800	1450	1300	800	501	1500	335	116	917
21	1230	1330	2000	1330	1450	1260	858	443	1400	267	548	738
22	1230	1280	2300	1670	1450	1210	917	563	1420	233	782	896
23	1230	1170	2690	1570	1450	1060	625	610	1470	176	976	956
24	1230	898	2510	1740	1450	936	898	594	2340	290	1020	660
25	1440	1750	2440	1340	1450	956	956	678	1170	324	898	820
26	1330	1470	2000	1190	1450	660	898	917	878	176	712	898
27	1260	878	2120	880	1450	695	800	1190	1230	102	782	1440
28	1260	1500	2060	1070	1450	712	936	695	748	60	936	1830
29	1260	1620	2060	660	-----	678	782	1080	532	21	1040	1170
30	995	2100	1780	1180	-----	695	158	1260	486	14	1230	782
31	1170	-----	1600	1350	-----	642	-----	1190	-----	7	1080	-----
Mean	950	1291	2171	1446	1392	1154	780	638	2175	309	351	786
Max.	1440	2100	2930	1970	1730	1800	1400	1260	5590	748	1230	1830
Min.	486	839	1550	660	960	642	158	185	486	7	0	267
A.F.	58440	76820	133470	88900	77320	70950	46390	39230	129420	18990	21590	46750

Total acre-feet 808270.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT GRAND ISLAND
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	224	766	440	990	490	3070	822	1100	1570	859	15	915
2	253	840	350	850	560	2220	609	699	2160	733	5	859
3	312	803	350	750	650	1700	840	896	2870	550	45	682
4	283	840	500	680	920	1780	993	952	2340	300	80	361
5	495	1100	790	1000	1200	1700	933	896	1800	550	120	438
6	733	1010	960	1300	1400	1340	1140	933	2550	466	155	525
7	616	1080	1100	1400	1200	993	878	1050	3420	183	130	599
8	569	878	1200	1400	1600	1220	840	840	3140	126	120	433
9	569	993	1400	1300	2000	4190	859	525	2840	451	234	412
10	481	1030	1400	1300	2200	2650	785	952	2970	666	114	322
11	438	1220	1200	1300	2500	1650	451	840	5500	716	80	114
12	569	1100	1100	1500	3700	1380	495	840	4800	766	50	39
13	599	1080	1400	1600	3100	1140	766	803	4470	616	82	9
14	616	993	2200	1700	2370	682	859	1160	3340	716	41	65
15	632	785	2700	1800	2050	878	1030	1160	3100	584	39	92
16	649	915	2700	1700	1880	1100	1750	840	3070	699	69	73
17	666	1050	2700	1400	1650	1270	1520	1180	3030	840	175	82
18	569	1080	2600	1500	1400	1160	1990	1200	2580	425	87	386
19	599	1080	2200	1700	766	993	1550	1180	1670	412	65	348
20	699	1160	1900	1700	1750	1050	1180	972	1570	616	69	510
21	822	1030	2100	1600	2100	993	993	1140	1550	525	98	682
22	803	1050	1100	1600	2800	1200	1160	1100	1400	399	273	569
23	859	1200	780	1400	3500	1200	1830	699	1600	348	361	386
24	972	1340	660	1200	3280	1200	1380	749	2370	335	569	438
25	766	1340	1300	1400	2580	1160	972	859	2870	335	733	510
26	915	1120	1100	1400	1990	1050	1140	803	2160	495	716	466
27	972	1100	940	1400	1600	1120	1220	993	1380	584	599	1600
28	993	860	900	1200	1720	766	1290	1270	1250	348	451	3000
29	1010	500	880	840	—	859	1250	1030	1220	253	451	2280
30	1050	450	1100	760	—	896	1290	733	1080	126	649	2050
31	933	—	1000	640	—	859	—	1520	—	69	682	—
Mean	667	993	1324	1300	1891	1402	1097	965	2522	487	237	642
Max.	1050	1340	2700	1800	3700	4190	1990	1590	5500	859	733	3000
Min.	224	450	350	640	490	682	451	525	1080	69	5	9
A.F.	40090	59090	81420	79950	105000	86220	65270	59330	150100	29930	14590	38180

Total acre-feet 810100.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT DUNCAN
Water Year Ending September 30, 1945

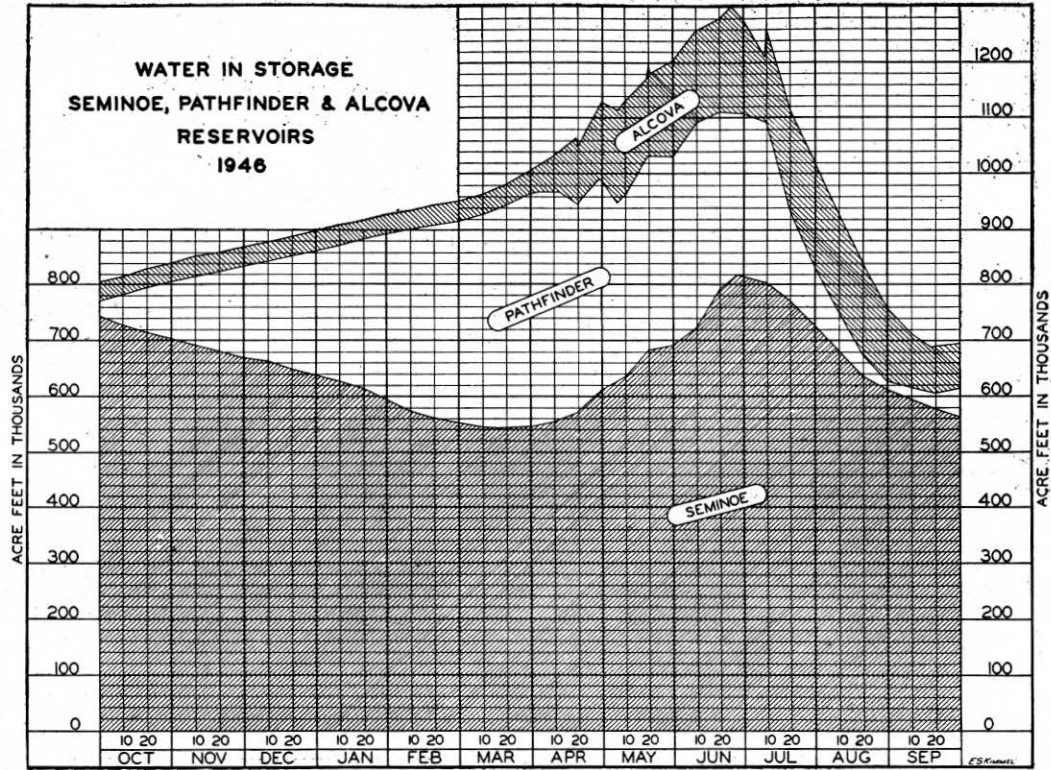
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	899	610	1200	780	1720	845	1210	1390	1460	279	372
2	132	845	620	1300	690	2350	770	1080	1750	1150	203	388
3	225	808	620	1300	700	2300	858	858	1680	872	318	493
4	285	912	860	1200	750	1960	926	795	2720	732	198	459
5	395	926	830	1100	800	1240	1070	966	3070	410	146	395
6	365	966	1500	1100	910	1800	980	872	3020	273	93	208
7	500	1040	1700	1200	1000	1500	1390	858	2670	261	71	176
8	750	1060	1700	1400	1200	1700	1070	845	3570	388	67	220
9	600	940	1700	1700	1200	3070	953	1190	4400	220	97	267
10	468	953	1700	1700	1800	2740	832	940	4030	203	292	186
11	442	966	920	1600	2400	2560	808	858	3880	434	156	181
12	380	1060	1200	1500	3000	1920	709	1060	5660	665	106	203
13	344	1150	1000	1600	3800	1620	540	926	5550	770	80	106
14	468	1130	1100	1700	3200	1460	720	1430	4970	899	65	61
15	510	1040	1300	1900	1980	1270	1160	1360	4940	940	60	26
16	502	836	1700	1900	1660	1100	1660	1340	5130	912	65	11
17	540	912	2100	2000	1300	1260	2180	1160	4180	1720	93	67
18	560	1010	2100	1700	510	1460	2100	1150	3380	1740	93	298
19	550	1020	1900	1500	480	1340	1940	1210	3410	1270	85	176
20	450	1060	2000	1500	490	1190	1810	1070	2580	899	78	249
21	550	1100	1600	1900	540	1080	1570	1380	2040	1150	61	330
22	580	1150	1100	1800	750	966	1360	1640	1980	1060	67	450
23	632	953	1100	1800	1810	1100	1290	1410	1850	858	78	402
24	687	1070	1000	1700	3170	1230	1890	1130	1600	665	156	330
25	709	1270	730	1600	2900	1340	1770	899	1980	995	214	249
26	926	1600	770	1500	1500	1410	1260	1040	2560	1590	380	380
27	770	1000	890	1600	1100	1180	1190	1240	2980	1150	468	782
28	926	730	930	1600	1400	1070	1230	1230	2080	953	459	2720
29	966	910	890	1500	—	899	1240	1180	1890	858	413	3540
30	953	800	930	1100	—	808	1210	1240	1660	610	344	3000
31	926	—	1100	850	—	872	—	1130	—	402	298	—
Mean	553	1006	1232	1518	1494	1533	1244	1119	3087	855	180	558
Max.	966	1600	2100	2000	3800	3070	2180	1640	5660	1740	463	3540
Min.	38	730	610	850	480	808	540	795	1390	203	60	11
A. F.	33970	59830	75770	93320	82950	94240	74040	68820	133700	52580	11080	33170

Total acre-feet 863500.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT ASHLAND
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2180	3530	2700	2800	3200	4800	4020	4900	20100	5640	4150	1670
2	2180	3430	2200	2900	2800	6000	4180	5430	19400	5520	3340	1580
3	2700	3660	2000	2600	2700	8000	4230	5110	13400	6580	3200	1720
4	2670	2840	2200	2400	2700	7400	5170	5080	10200	6230	2580	1740
5	2780	3310	2400	2700	2900	7100	4130	4830	9900	5820	2600	1560
6	3220	3340	3700	2800	3000	4800	4500	4550	10500	7480	2620	1640
7	2960	3750	4700	2600	2800	2600	5000	4080	16200	5610	2230	1740
8	2810	3590	5300	2600	3500	2100	4520	4050	17400	4710	2580	1490
9	3100	4020	6000	2500	3800	3800	4970	4410	16800	3850	2580	1490
10	3100	3750	5900	2800	4500	11000	4200	4940	29100	3430	2830	1370
11	2980	3340	5800	3100	4900	26200	4600	5460	32000	3150	2560	1280
12	3070	3590	4600	3500	5100	23700	4200	4970	24800	3020	2440	1160
13	3280	3950	3500	3900	6700	13800	3650	4940	21200	3060	2870	1440
14	2930	3950	3100	4000	9100	9540	3720	5820	18200	3500	2460	1670
15	2590	3750	2900	4300	9700	9860	4260	6850	18200	3380	2640	1610
16	2700	3980	3100	5000	8700	9260	6100	7090	23100	3700	2480	1430
17	2420	3920	3600	5300	7900	9340	6520	6200	21500	14300	2160	1280
18	2640	3690	3400	5600	6300	7870	7200	5460	16400	26500	2720	1430
19	3010	3690	3900	5400	5000	6680	7230	5200	12900	18600	3000	1890
20	3010	3660	3500	5300	4300	6300	6520	4910	10000	14200	2870	2290
21	2930	3660	3200	5000	4000	6230	6490	6390	9100	11100	2160	2660
22	2870	3880	2900	5600	3700	5980	5940	12100	7730	10700	2390	2460
23	3160	3280	3400	5500	3100	5670	7620	10400	6750	8680	1820	2520
24	2780	3620	2700	5600	3800	4230	7580	8610	6780	5200	1580	2560
25	3040	4120	2300	5500	7300	4710	6450	7300	6010	5730	1550	2270
26	3100	4430	2000	5500	6600	4710	6680	6010	5730	5200	2310	2950
27	3250	4150	1600	5800	5100	4410	5940	5980	7910	7480	2290	3220
28	3100	3920	1900	5800	4600	5170	5550	8270	7230	6580	2480	4130
29	3070	4400	2000	5200	-----	4550	5060	16600	6580	5880	2890	4970
30	3220	3700	2100	4500	-----	4690	5340	12800	5850	5580	2890	6490
31	2980	-----	2500	3800	-----	4330	-----	12600	-----	4100	2460	-----
Mean	2898	3730	3261	4190	4921	7610	5386	6817	14370	7242	2572	2196
Max.	3280	4430	6000	5800	9700	26200	7620	16600	32000	26500	4150	6490
Min.	2180	2840	1600	2400	2700	2100	3650	4050	5730	3020	1550	1160
A.F.	178200	222000	200500	257700	273300	467900	320500	419200	854800	445300	158100	130800

Total acre-feet 3928000.



BUREAU OF IRRIGATION

CONTENTS IN ACRE-FEET, SEMINOLE STORAGE RESERVOIR
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	749440	701370	671200	638810	593140	553350	543490	613720	695890	818330	723160	610040
2	741880	700390	671050	637590	591080	552620	544640	618800	698990	816990	718610	609390
3	740340	699580	670050	636360	589540	551640	548440	620000	701220	815480	714220	607940
4	738650	699290	669040	635130	587220	550540	548850	622350	703310	815150	710760	606500
5	737110	698380	668040	634040	584950	549570	550540	62350	705250	813810	706440	604670
6	735720	697350	667050	633500	582680	548610	551890	627760	707780	812130	701820	602570
7	734490	696330	666060	632140	580280	547760	553720	630100	711510	811460	697060	600600
8	732790	695150	664930	630780	578380	546920	554960	632820	716800	809290	692290	599820
9	730940	693980	664360	629410	576870	546320	556170	635950	723610	806290	687250	598280
10	729250	692810	663090	628050	576110	546080	557390	638950	730480	803320	682280	596610
11	727710	692080	661820	626690	574470	545350	558620	642390	737420	800520	678250	594810
12	726340	691050	660410	625490	572860	544630	559850	646560	744380	797560	673360	593010
13	725180	689740	659140	624820	571360	544030	560090	649470	751420	794290	668320	591210
14	724670	688420	657860	623480	570000	543550	560820	652390	758490	799320	663800	589410
15	723610	687100	656590	622140	568510	543190	561800	655320	764870	798510	659420	588380
16	722300	685780	655740	620810	567140	543070	563040	657860	770450	798260	654900	586590
17	721040	684470	654330	619470	566020	542430	564780	659840	776050	798260	650300	584700
18	719670	683200	653080	618130	564650	542340	567260	661820	782520	799460	646970	583180
19	718310	683300	651690	617200	563290	543430	569750	664650	790640	775400	642670	581540
20	716800	681990	650300	616660	562290	543430	572230	666910	798880	771240	637990	579770
21	716040	680700	649050	615790	561070	543430	575980	669330	806290	768390	633360	578130
22	714520	680120	647860	613720	560210	543430	579140	671920	812130	767100	629730	577250
23	713160	678970	647110	611750	559470	543670	583560	674360	817150	760400	624420	575480
24	711950	677960	646110	609780	558620	543910	587350	676950	818820	756450	620140	573730
25	710610	677380	645720	607680	557640	543670	590690	679880	819670	751900	618800	572110
26	709270	676230	644750	606520	556660	543430	594170	682710	820000	747670	616530	570250
27	707930	674940	643500	604270	555680	543070	597770	684610	820000	743440	614920	568510
28	707040	673790	642250	602050	554460	542830	602310	686520	820000	740340	613850	566890
29	705550	672780	641140	599700	553720	542580	606760	688570	819670	736190	613060	564400
30	704060	671770	640450	597510	553000	542580	610700	691200	819670	732020	612010	562050
31	702710	670800	639360	595320	552280	542950	610000	693540	819670	727550	610700	560000

Record furnished by the United States Bureau of Reclamation.

CONTENTS IN ACRE-FEET, PATHFINDER STORAGE RESERVOIR
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29650	107490	166780	226910	302770	366400	424150	363750	344060	277790	102860	12980
2	32680	109950	168320	228760	305670	368050	422920	356660	346780	272170	98930	12310
3	35650	112240	170000	230990	308000	369980	421280	347560	349890	266440	95000	12380
4	38590	114270	172060	233110	310670	372010	419340	339260	353310	259560	90390	12710
5	41500	116020	174660	235250	313500	373960	417510	331490	356640	258600	86330	13010
6	44320	118140	176150	236960	316440	376210	415800	324580	359840	254720	82840	13260
7	46830	120570	178020	239030	319500	378270	413780	322600	363120	247080	79500	13370
8	49330	122870	180020	241560	322250	380060	412180	323110	366420	239870	76290	12490
9	52590	125090	181700	243990	324500	381950	410680	324930	367800	233930	73220	11830
10	55480	127160	183660	246440	326320	383280	409080	327800	365680	228550	70290	11490
11	58700	128900	185350	248810	328410	385090	407580	330700	362660	222820	66710	11190
12	60900	130630	188210	251140	330880	387300	406180	333250	358110	217060	63490	13000
13	63260	132700	190420	252970	333250	389500	404480	336420	353760	21190	60580	14120
14	65390	134660	192600	255090	335540	391420	402800	339970	349440	204410	57010	15160
15	67640	136730	194610	257640	337830	393370	401210	343350	346080	198090	53470	15660
16	70190	138720	196380	360150	340150	395520	399930	345580	333080	191540	50240	16480
17	72760	140580	198460	282450	342200	396990	398460	346650	325460	184670	47250	18540
18	75280	142300	200590	284630	344240	398560	397090	347190	321650	178190	43690	21600
19	77690	143800	202550	286820	346470	400420	395710	347280	320530	172160	40980	24450
20	80200	145700	204780	288490	348360	402700	394150	347370	319500	166250	38980	26970
21	82240	147760	207070	290320	350310	404780	392400	347640	318310	159370	37280	29290
22	84050	149240	209240	291710	352230	406380	391010	347370	316780	153060	35670	31080
23	86330	151120	211060	293330	353940	408880	389980	346920	314680	147450	34260	33120
24	89100	153270	212760	295710	355750	410480	389220	346110	311150	142060	32890	35390
25	91280	154900	214220	298210	357840	412280	388760	344860	307500	136820	29500	37670
26	93640	156360	215820	294920	359930	414480	387200	343080	304010	131640	26270	40110
27	96040	158700	217900	297540	362020	416600	386240	341840	300280	126480	23420	42750
28	98020	160370	219980	299340	364390	418730	384800	341040	297190	121350	20790	45560
29	100320	162650	221960	293620	366000	420970	379780	340330	290360	116390	18200	47920
30	102700	164770	223620	296770	367900	423020	371840	339880	283760	111800	16100	50760
31	105170	166700	225300	299640	369900	424670	369900	340590	280000	107190	14190	53000

Record furnished by the United States Bureau of Reclamation.

REPORT OF THE STATE ENGINEER

CONTENTS IN ACRE-FEET, ALCOVA RESERVOIR
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33120	34410	35150	35650	36320	36890	39380	153620	171590	171150	187160	125380
2	33170	34440	35170	35680	36340	36860	42720	158510	171650	171080	186970	122140
3	33220	34470	35200	35710	36360	36880	46290	161910	171630	170810	186890	119460
4	33280	34500	35230	35730	36380	36900	49810	164690	171630	171150	186650	117370
5	33330	34520	35250	35750	36400	36920	53530	166540	171610	171330	185820	114320
6	33390	34550	35270	35770	36420	36940	56880	167130	171590	171380	184550	110640
7	33450	34590	35290	35790	36440	36960	60420	167560	171540	171130	183200	106980
8	33500	34620	35320	35810	36450	36980	64010	167650	171520	170760	181530	105320
9	33550	34640	35170	35840	36470	37000	67530	167540	171420	170600	179660	104620
10	33610	34660	35130	35870	36490	37020	71110	167560	170850	170510	177790	103870
11	33660	34680	35110	35890	36520	37040	74640	167520	170550	170560	175910	102350
12	33710	34700	35090	35910	36540	37060	78180	167420	170320	170740	173970	99790
13	33760	34720	35090	35930	36550	37080	81690	167330	170050	170850	172420	96820
14	33800	34740	35110	35950	36570	37110	85200	167240	169940	170940	171310	93370
15	33840	34770	35140	35970	36590	37130	88680	166880	169910	170940	170420	90980
16	33870	34790	35170	35990	36610	37160	92130	166900	169840	171560	169480	87870
17	33910	34810	35200	36010	36620	37180	95620	167240	169800	172490	168470	84520
18	33950	34830	35230	36030	36640	37210	99110	167700	169800	173620	167310	83130
19	33990	34860	35260	36050	36650	37250	102570	168110	169620	175180	165720	82940
20	34030	34880	35290	36070	36670	37290	106040	168020	169500	177010	163630	82800
21	34060	34900	35330	36090	36690	37340	109500	167720	169570	178920	161370	82730
22	34100	34920	35370	36110	36710	37370	112920	167400	169730	180580	159040	82660
23	34120	34950	35410	36130	36730	37390	116320	167360	169820	182010	156530	82630
24	34140	34980	35440	36150	36750	37410	119670	167310	170050	183290	153300	82630
25	34170	35010	35480	36180	36760	37430	123010	167240	170460	184430	150210	82680
26	34200	35040	35510	36200	36780	37440	126730	167200	170870	185730	146800	82710
27	34230	35060	35530	36220	36800	37470	129730	167860	171220	187020	142970	82710
28	34260	35090	35550	36240	36810	37520	133040	168910	171200	188910	139160	82710
29	34300	35110	35580	36260	-----	-----	37550	140100	170050	170940	189250	135560
30	34340	35130	35600	36280	-----	-----	37560	147910	170830	171080	188870	132160
31	34380	-----	35630	36300	-----	-----	37570	-----	171360	-----	187840	128910

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
OUTFLOW OF ALCOVA RESERVOIR
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0	0	2820	158	4710	4820	3280
2	0	0	0	0	0	0	0	3120	120	4740	4470	2810
3	0	0	0	0	0	0	0	3770	92	4740	4360	2450
4	0	0	0	0	0	0	0	4260	92	4740	4340	2200
5	0	0	0	0	0	0	0	4450	90	1680	4500	2600
6	0	0	0	0	0	0	0	4670	90	2690	4710	3300
7	0	0	0	0	0	0	0	2810	90	5240	4670	3040
8	0	0	0	0	0	0	0	1900	92	5230	4760	1980
9	0	0	0	0	0	0	0	1900	505	4860	4800	1390
10	0	0	0	0	0	0	0	326	2600	4620	4740	1440
11	0	0	0	0	0	0	0	110	3750	4760	4690	1570
12	0	0	0	0	0	0	0	122	3930	4860	4620	1870
13	0	0	0	0	0	0	0	115	4120	4870	4560	2040
14	0	0	0	0	0	0	0	106	4740	4890	4430	2010
15	0	0	0	0	0	0	0	244	5150	4910	4390	1960
16	0	0	0	0	0	0	0	230	5150	4910	4280	1920
17	0	0	0	0	0	0	0	1080	5390	4950	4280	1820
18	0	0	0	0	0	0	0	1100	4040	4840	4260	817
19	0	0	0	0	0	0	0	1110	2520	4560	4340	102
20	0	0	0	0	0	0	0	1470	2500	4320	4520	84
21	0	0	0	0	0	0	0	1710	2490	4240	4580	42
22	0	0	0	0	0	0	0	1900	2490	4300	4500	42
23	0	0	0	0	0	0	0	2180	2490	4340	4600	27
24	0	0	0	0	0	0	0	2200	2810	4340	4740	5
25	0	0	0	0	0	0	0	2180	3020	4360	4580	3
26	0	0	0	0	0	0	0	2180	3040	4230	4520	3
27	0	0	0	0	0	0	0	1800	3250	4130	4650	3
28	0	0	0	0	0	0	0	1580	3770	4040	4390	3
29	0	0	0	0	0	0	0	1600	4360	2870	4120	3
30	0	0	0	0	0	0	0	1500	4580	4870	3840	3
31	0	0	0	0	0	0	0	691	-----	5020	3570	-----
Mean	0	0	0	0	0	0	0	1782	2584	4447	4472	1294
Max.	0	0	0	0	0	0	0	4670	5390	5240	4820	3300
Min.	0	0	0	0	0	0	0	106	90	1680	3570	3
A. F.	0	0	0	0	0	0	0	109560	153760	273440	274970	76990

Total acre-feet 888720.

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
INFLOW OF GUERNSEY RESERVOIR
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	591	291	274	325	175	340	582	511	2920	4370	4460	3980
2	555	316	248	302	176	336	804	299	2790	4550	4740	3730
3	506	296	211	295	195	286	768	402	2130	4510	4610	3510
4	449	297	159	259	186	392	694	2170	1740	4660	4360	3160
5	405	261	184	229	156	284	623	4100	1460	4660	4200	2810
6	389	272	230	235	184	232	563	5000	1180	4520	4170	2850
7	389	288	184	248	201	215	548	5840	1010	3780	4300	5050
8	399	215	163	249	212	220	583	5920	1090	2610	4470	4160
9	374	261	149	203	197	237	570	4920	920	4550	4410	3340
10	369	237	114	223	203	241	497	3620	1000	4860	4560	2910
11	362	232	139	210	184	225	458	2880	1020	4690	4680	2170
12	339	301	151	215	190	250	471	2730	978	4530	4680	1840
13	324	264	155	204	179	221	444	2410	2600	4640	4740	1780
14	324	271	174	199	160	284	482	2040	3600	4630	4590	1840
15	318	275	180	184	195	276	526	1740	3890	4350	4520	2060
16	304	265	150	169	205	269	554	1590	4380	4840	4430	2130
17	269	240	212	178	190	274	566	1480	4890	4740	4380	2200
18	254	250	150	211	194	290	550	1440	5400	4700	4190	2240
19	269	245	145	227	204	305	550	1380	6630	4730	4160	2270
20	264	215	157	223	244	323	541	1650	5950	4650	4140	2130
21	264	165	170	177	244	245	601	1960	4580	4440	4210	1660
22	304	125	159	203	303	315	576	1840	3830	4230	4350	938
23	309	165	203	223	306	326	556	2210	3440	4160	4460	733
24	269	186	188	212	316	326	546	2930	3150	4190	4330	398
25	284	185	192	202	348	365	485	2790	3060	4270	4410	512
26	294	273	188	177	335	374	470	3030	3160	4230	4640	539
27	309	331	211	183	386	349	445	2920	3370	4230	4560	548
28	294	346	212	189	346	405	374	2800	3370	4120	4430	542
29	301	367	191	183	---	355	341	2740	3420	3940	4640	562
30	271	310	214	184	---	333	252	2450	3700	3980	4420	572
31	321	---	315	181	---	259	---	2780	---	3580	4230	---
Mean	360	258	186	216	229	295	534	2573	3022	4369	4435	2099
Max.	591	367	315	325	348	405	804	5920	6630	4880	4740	5050
Min.	254	125	114	177	160	215	252	299	978	2610	4140	398
A. F. 22150	15360	11450	13290	12720	18150	31780	158230	179820	268640	272670	124890	---
Total acre-feet	1129150.											

Record furnished by the United States Bureau of Reclamation.

CONTENTS IN ACRE-FEET, GUERNSEY STORAGE RESERVOIR
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22070	40990	45160	42670	42580	43580	47280	15020	42620	25650	18450	18900
2	23100	41480	46200	42840	42510	43820	47350	11680	45240	26690	18510	19530
3	24040	41830	45160	43000	42470	44140	47100	8720	46590	27910	18320	19760
4	24860	42230	45020	43090	42420	44300	46640	9470	46260	29430	17630	19380
5	25600	42560	44930	43130	42210	44250	46040	13020	45520	31000	16550	18310
6	26320	42910	44930	43180	42250	44100	45320	17500	44640	32480	15560	16930
7	27040	43290	44840	43240	42230	43910	44570	22400	42930	32560	14790	20440
8	27780	43510	44710	43310	42230	43733	43890	29990	39950	30390	14410	22336
9	28470	43780	44550	43290	42200	43530	43200	34706	35590	31600	13910	22840
10	29150	44000	44320	43310	42180	43330	42380	38180	30300	32620	13640	22650
11	29810	44250	44070	43316	42120	43150	41500	41300	24660	32660	13600	21240
12	30950	44390	43850	43310	42070	43020	40630	44200	18920	32310	13610	19690
13	31060	44460	43640	43290	42000	42840	39690	45290	16270	32090	13310	18206
14	31670	44560	43460	43260	41890	42780	38810	44460	14960	31780	13950	16920
15	32270	44640	43290	43200	41850	42710	38000	42800	13940	31600	14090	16280
16	32840	44710	43130	43110	41830	42620	37230	40970	13670	31440	14050	15870
17	33340	44730	43020	43040	41780	42540	36420	39350	14380	31270	14040	15770
18	33810	44770	42910	43040	41740	42490	35580	37790	16850	31150	13700	16280
19	34310	44800	42780	43070	41720	42470	34470	36070	22520	31080	13390	17050
20	34800	44770	42670	43090	41610	42490	33790	34770	27400	30790	13030	17580
21	35290	44640	42580	43020	41610	42730	32900	33740	29410	30220	12630	17270
22	35860	44430	42470	43000	41850	43110	31960	32340	30220	29220	12460	15600
23	36440	44300	42450	43020	42030	43510	30960	31070	30890	28100	12470	13670
24	36940	44210	42400	43020	42280	43910	29840	30680	29940	27100	12300	11240
25	37470	44120	42360	43000	42490	44390	28800	31700	29160	26230	12290	9450
26	38020	44210	42390	42930	42730	44890	27630	33230	28440	25360	12680	8350
27	38600	44410	42390	42870	43070	45340	26390	34560	27640	24540	13160	8550
28	39150	44640	42290	42820	43330	45880	24930	35570	26600	23580	13860	9550
29	39710	44910	42250	42760	---	46340	22730	36550	25580	22340	15260	10620
30	40210	45070	42250	42710	---	46760	19530	37600	25100	21060	16720	11710
31	40600	---	42450	42650	---	47010	---	39810	---	18940	17970	---

Record furnished by the United States Bureau of Reclamation.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
OUTFLOW OF GUERNSEY RESERVOIR
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	94	229	214	210	214	445	2300	1490	4080	4630	3500
2	36	94	228	216	211	215	769	1980	1460	4010	4690	3400
3	32	94	231	214	215	125	894	1890	1440	3880	4690	3380
4	36	95	230	214	211	311	926	1790	1890	3880	4690	3340
5	32	95	229	209	211	309	926	2300	1810	3860	4730	3340
6	26	96	230	210	214	308	926	2740	1590	3750	4650	3340
7	26	96	229	218	211	311	926	2660	1850	3720	4670	3230
8	26	104	229	214	212	311	926	2590	2570	3680	4650	3180
9	26	125	230	213	212	313	918	2540	3100	3900	4650	3070
10	26	126	230	213	213	367	910	1860	3650	4330	4690	3000
11	29	106	265	210	214	316	902	1300	3840	4650	4690	2870
12	16	230	262	215	215	316	910	1250	3860	4690	4670	2610
13	16	229	261	214	214	312	918	1840	3930	4730	4630	2520
14	16	226	265	214	215	314	926	2450	4240	4770	4510	2480
15	16	230	266	214	215	311	934	2570	4390	4920	4470	2380
16	17	230	231	214	215	314	942	2500	4510	4900	4410	2330
17	17	230	267	213	215	314	974	2280	4530	4810	4370	2240
18	17	230	205	211	214	315	974	2220	4150	4750	4350	1980
19	17	230	211	212	214	315	974	2230	3770	4770	4310	1880
20	17	230	212	213	209	313	1020	2290	3470	4750	4310	1860
21	17	231	215	212	214	124	1050	2460	3540	4710	4410	1810
22	17	231	214	213	212	123	1050	2540	3410	4710	4430	1770
23	17	231	213	213	215	124	1060	2840	3340	4690	4450	1700
24	17	231	213	212	215	124	1060	2520	3360	4690	4410	1620
25	17	230	212	212	217	123	1060	2260	3430	4690	4410	1410
26	17	228	223	212	214	122	1060	2240	3520	4650	4430	1090
27	17	230	211	213	215	122	1070	2240	3740	4630	4310	441
28	17	230	212	214	215	133	1110	2280	3880	4590	4080	36
29	19	231	211	213	-----	123	1450	2240	3920	4550	3930	19
30	19	229	214	209	-----	121	1840	1920	3930	4610	3680	19
31	94	-----	214	211	-----	133	-----	1660	-----	4630	3590	---
Mean	28	183	229	213	217	235	995	2215	3254	4451	4440	2197
Max.	94	231	267	218	299	367	1840	2840	4530	4920	4690	3500
Min.	16	94	205	209	210	121	446	1250	1440	3680	3590	19
A. F.	1700	10890	14070	13090	12080	14470	59210	136230	193610	273680	273030	130706

Total acre-feet 1132710.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER
AT WYOMING-NEBRASKA STATE LINE
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	970	493	595	558	514	514	406	169	658	1020	1110	778
2	874	514	580	572	528	514	400	202	493	1140	1130	786
3	834	521	535	550	528	500	387	222	432	1060	1130	738
4	778	535	535	565	521	486	360	210	507	1010	1140	698
5	690	528	558	565	542	479	360	190	986	1030	1140	650
6	550	514	565	565	528	507	350	198	1200	978	1150	650
7	595	493	530	565	565	542	340	413	930	978	1120	698
8	550	486	542	572	535	542	330	550	690	938	1140	1160
9	610	507	486	580	542	535	320	602	802	890	1160	1110
10	595	542	514	572	535	528	315	682	890	882	1180	1060
11	580	550	507	580	535	558	310	722	1080	994	1210	962
12	565	542	500	572	535	565	308	479	1140	1240	1210	930
13	558	550	493	572	528	558	313	380	1080	1190	1170	874
14	542	565	493	580	521	588	313	400	1120	1150	1210	786
15	535	588	510	558	528	674	313	802	1160	1210	1170	730
16	528	580	520	535	535	626	296	1050	1170	1170	1150	682
17	521	588	510	535	535	602	296	1050	1220	1170	1110	610
18	500	595	430	550	528	580	296	954	1350	1160	1060	580
19	493	580	430	558	528	588	291	826	1320	1140	1030	565
20	479	618	460	542	535	680	296	778	1190	1140	1010	550
21	479	558	550	535	535	565	291	746	1100	1120	1010	528
22	472	558	540	507	535	565	260	794	1080	1090	1010	500
23	472	572	500	486	535	521	291	826	1060	1090	1080	479
24	486	595	540	514	514	500	280	938	994	1100	1050	542
25	479	595	530	535	514	472	260	930	954	1130	1010	626
26	486	588	540	542	500	446	245	810	1000	1110	1020	642
27	486	572	550	521	500	426	240	858	1030	1140	1060	698
28	479	580	545	507	500	426	230	1060	994	1130	1130	762
29	486	588	538	507	-----	432	176	954	1030	1110	1060	722
30	479	588	610	500	-----	413	180	946	1030	1100	962	595
31	486	-----	580	493	-----	413	-----	826	-----	1110	898	-----
Mean	572	556	530	545	528	524	302	663	990	1088	1097	723
Max.	970	618	610	580	565	674	406	1060	1350	1240	1210	1160
Min.	472	486	430	486	500	413	176	169	432	882	898	479
A. F.	35180	33090	32600	33510	29310	32220	18000	40790	58890	66880	67480	43020

Total acre-feet 491000.

BUREAU OF IRRIGATION

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DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT MITCHELL
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1920	839	876	774	711	763	689	186	474	296	227	323
2	1800	851	857	780	756	768	694	192	532	307	227	347
3	1740	851	815	815	756	762	722	532	479	347	221	376
4	1660	851	809	827	768	739	694	567	438	343	231	376
5	1550	851	839	827	751	733	656	368	542	438	224	355
6	1360	845	851	809	722	733	640	385	785	381	214	369
7	1250	827	832	791	774	762	624	411	634	369	231	393
8	1120	809	876	803	762	762	598	420	360	343	238	493
9	1140	791	797	803	768	768	593	393	273	347	238	723
10	1130	803	797	791	780	774	567	562	248	292	262	683
11	1120	821	785	791	768	785	572	894	234	248	255	567
12	1110	815	827	751	768	815	567	705	221	273	266	547
13	1080	803	833	756	762	803	557	456	221	296	255	489
14	1070	791	780	774	733	785	547	323	211	255	248	429
15	1060	827	733	774	751	938	547	273	189	273	248	407
16	1020	833	762	785	756	913	537	360	201	292	224	389
17	996	845	768	774	762	863	529	411	234	262	214	385
18	957	845	619	803	762	821	522	385	381	255	221	593
19	919	827	613	809	762	809	513	280	598	252	214	728
20	900	851	656	791	774	803	508	241	640	231	214	694
21	876	827	833	791	785	791	493	224	577	244	227	678
22	851	809	827	785	780	803	451	195	532	241	244	656
23	851	821	739	774	774	797	442	186	557	234	248	661
24	857	857	821	785	791	774	398	280	508	231	241	661
25	845	863	815	821	791	751	376	461	447	268	244	645
26	833	863	797	785	768	733	327	433	415	244	252	711
27	845	857	791	774	768	711	241	381	376	238	252	745
28	845	857	803	768	780	700	224	435	331	234	307	791
29	839	857	900	768	---	705	221	447	335	231	355	827
30	839	857	894	756	---	700	201	527	315	231	292	763
31	839	---	821	717	---	694	---	513	---	224	277	---
Mean	1104	835	801	786	764	776	508	400	410	281	246	590
Max.	1920	863	900	827	791	938	722	894	785	438	355	827
Min.	833	791	613	717	711	694	201	186	189	224	214	323
A. F.	67880	49670	49220	48300	42410	47730	30230	24610	24370	17260	15100	33320

Total acre-feet 450100.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT MINATARE
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2050	1180	1210	1180	1020	980	901	443	899	445	243	493
2	2100	1180	1230	1160	1030	970	900	525	898	451	232	530
3	1950	1200	1200	1160	1020	960	967	601	899	428	229	585
4	1830	1200	1160	1150	1030	950	907	800	824	488	228	564
5	1730	1200	1160	1160	1030	920	889	721	757	530	241	546
6	1620	1190	1200	1130	990	930	857	634	867	543	242	546
7	1550	1190	1250	1130	1020	970	851	653	879	505	241	556
8	1490	1170	1260	1160	1040	980	840	665	659	487	240	614
9	1460	1160	1260	1150	1020	980	836	653	517	446	254	916
10	1430	1160	1220	1130	1000	990	819	769	444	365	254	982
11	1400	1180	1140	1100	977	1020	817	1150	357	324	291	944
12	1400	1190	1150	1080	998	1010	820	1260	303	303	302	976
13	1370	1200	1140	1060	1010	989	806	947	265	342	295	982
14	1350	1200	1130	1050	944	977	801	770	250	347	293	937
15	1330	1230	1060	1050	1010	1140	795	642	234	339	295	879
16	1310	1240	1070	1050	1020	1230	780	639	226	339	295	791
17	1280	1220	1110	1050	1040	1150	764	701	245	322	310	742
18	1250	1220	1100	1070	1040	1110	745	747	412	313	298	1250
19	1220	1220	1000	1080	1040	1080	745	697	718	326	309	1270
20	1220	1200	1010	1100	1050	1070	735	643	896	310	313	1210
21	1210	1210	1070	1080	1050	1040	727	569	864	310	297	1150
22	1210	1210	1100	1070	1060	1040	707	521	855	291	302	1140
23	1200	1210	1090	1040	1060	1090	644	520	861	269	317	1160
24	1210	1180	1120	1000	1070	1050	626	667	837	267	319	1160
25	1200	1230	1160	1050	1080	1030	585	759	718	292	329	1150
26	1180	1220	1130	1040	1040	982	534	800	634	275	349	1120
27	1170	1200	1120	1040	980	963	482	736	564	270	359	1160
28	1160	1200	1130	1040	990	945	472	697	485	268	400	1200
29	1150	1200	1210	1050	---	956	421	813	450	270	495	1260
30	1170	1200	1300	1050	---	943	389	922	493	258	525	1260
31	1200	---	1220	1020	---	918	---	947	---	256	492	---
Mean	1400	1200	1152	1086	1025	1012	739	731	610	354	309	934
Max.	2100	1240	1300	1180	1080	1230	967	1260	899	543	525	1270
Min.	1150	1160	1000	900	977	918	389	443	226	256	228	493
A. F.	86080	71390	70830	66800	56940	62210	43960	44950	36320	21780	19020	55560

Total acre-feet 635840.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT BRIDGEPORT
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2730	1660	1430	1690	1160	1180	1170	625	1600	771	306	1000
2	2780	1640	1450	1620	1220	1210	1170	758	1600	768	306	963
3	2610	1690	1450	1610	1240	1220	1360	799	1490	757	279	933
4	2390	1740	1440	1520	1250	1210	1340	879	1220	771	246	944
5	2220	1790	1490	1470	1320	1170	1300	990	1050	895	234	989
6	2130	1800	1540	1420	1250	1170	1200	966	1080	982	291	954
7	2010	1740	1560	1410	1290	1180	1140	925	1190	929	329	972
8	1960	1690	1520	1390	1300	1260	1100	876	1150	972	304	1040
9	1940	1600	1400	1370	1250	1300	1100	936	951	921	319	1190
10	1950	1550	1320	1300	1260	1300	1080	1120	704	820	326	1390
11	1920	1580	1360	1260	1240	1320	1030	1330	580	720	323	1390
12	1920	1600	1450	1220	1240	1380	1020	1460	479	671	369	1420
13	1900	1550	1420	1210	1240	1420	1020	1310	459	648	434	1410
14	1890	1510	1410	1260	1180	1380	1010	1010	414	712	450	1420
15	1890	1540	1450	1270	1140	1500	971	839	353	684	467	1390
16	1850	1620	750	1270	1160	1700	934	874	308	619	419	1350
17	1780	1620	920	1300	1170	1620	966	1060	285	586	415	1330
18	1740	1600	950	1330	1200	1410	966	1070	337	654	424	1840
19	1710	1570	950	1330	1230	1320	966	1030	700	601	416	2130
20	1710	1580	950	1340	1260	1320	965	930	1040	601	430	1950
21	1730	1580	950	1350	1270	1320	966	844	1110	629	399	1860
22	1770	1540	950	1390	1290	1300	964	728	1090	513	398	1840
23	1780	1550	950	1390	1290	1360	845	627	1060	496	404	1840
24	1840	1580	950	1340	1260	1360	763	981	1060	449	446	1830
25	1810	1610	950	1380	1270	1370	727	1070	942	338	502	1840
26	1750	1640	950	1380	1200	1280	681	1070	830	405	560	1770
27	1700	1550	950	1300	1180	1250	648	1070	750	372	590	1730
28	1690	1490	1510	1280	1180	1230	624	1010	694	369	670	1760
29	1670	1460	1590	1310	-----	1220	624	1130	744	374	772	1760
30	1660	1450	1650	1280	-----	1170	574	1550	708	316	912	1770
31	1660	-----	1700	1230	-----	1150	-----	1730	-----	305	973	-----
Mean	1938	1604	1268	1362	1234	1309	974	1019	866	634	442	1467
Max.	2780	1800	1700	1690	1320	1700	1360	1730	1600	982	973	2130
Min.	1660	1450	750	1210	1140	1150	574	625	285	305	234	933
A.F.	119190	95440	77970	83740	68510	80490	57960	62850	51530	38980	27200	87280

Total acre-feet 850940.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT LISCO
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2840	1860	1760	1680	1120	1480	1140	1060	1650	606	289	1060
2	2900	1890	1740	1640	1160	1460	1150	911	1600	606	255	1020
3	2860	1860	1710	1630	1200	1460	1190	976	1630	584	248	989
4	2670	1880	1710	1610	1300	1460	1250	861	1440	650	248	1060
5	2490	1890	1710	1540	1250	1490	1240	1040	1270	801	218	1020
6	2340	1880	1740	1540	1190	1480	1240	1250	1160	1020	195	976
7	2160	1880	1790	1460	1370	1520	1220	1160	1160	963	218	1040
8	2030	1840	1790	1460	1740	1490	1270	1030	1270	976	232	1140
9	1980	1780	1570	1490	1720	1510	1270	1020	1150	1000	202	1250
10	1960	1760	1490	1520	1720	1510	1160	1100	937	950	202	1460
11	1960	1710	1480	1550	1740	1520	1040	1180	765	825	225	1630
12	1980	1740	1630	1250	1650	1510	1060	1380	696	628	280	1600
13	1980	1730	1730	1250	1390	1490	1080	1570	551	488	340	1580
14	1960	1730	970	1250	1470	1480	1100	1400	488	466	359	1550
15	1960	1740	930	1250	1470	1490	1140	1180	426	573	350	1550
16	1960	1760	720	1300	1300	1650	1120	1150	406	584	359	1490
17	1920	1760	640	1300	1150	1780	1110	1060	416	540	306	1460
18	1880	1730	840	1300	1180	1790	1080	1120	477	519	255	1570
19	1810	1760	880	1300	1280	1660	1110	1140	530	562	255	2010
20	1780	1810	660	1300	1400	1480	1110	1140	801	551	255	2220
21	1780	1790	650	1460	1480	1440	1120	1040	1080	551	264	2060
22	1790	1680	780	1460	1550	1440	1180	1020	1110	640	323	1840
23	1880	1660	950	1400	1560	1340	1060	873	1080	508	359	1860
24	1890	1740	990	1410	1560	1400	989	1070	1180	456	359	1890
25	1920	1730	970	1400	1590	1600	937	1320	1080	426	456	1860
26	1920	1760	1020	1380	1560	1480	861	1320	976	426	530	1830
27	1880	1760	1170	1350	1540	1310	789	1300	885	456	573	1780
28	1860	1780	1300	1350	1520	1270	777	1270	849	435	650	1650
29	1810	1810	1330	1350	-----	1300	742	1250	885	435	754	1790
30	1830	1810	1480	980	-----	1240	777	1480	673	368	898	1960
31	1860	-----	1590	1100	-----	1190	-----	1600	-----	289	1020	-----
Mean	2059	1784	1281	1395	1434	1475	1077	1170	954	606	370	1540
Max.	2900	1890	1790	1680	1740	1790	1270	1600	1650	1020	1020	2220
Min.	1780	1660	640	980	1120	1190	742	861	406	289	195	976
A.F.	126620	106140	78780	85800	79660	90680	64090	71940	56770	37250	22760	91630

Total acre-feet 912120.

DISCHARGE IN SECOND FEET. NORTH PLATTE RIVER AT OSHKOSH
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2820	1780	1680	1610	1110	1570		1290	1080	1560	592	254
2	2940	1870	1570	1600	1140	1570	1220	913	1650	581	215	1030
3	3030	1970	1540	1630	1240	1630	1270	838	1700	500	212	1030
4	2750	1930	1560	1670	1400	1590	1310	837	1540	574	196	932
5	2470	1850	1560	1680	1520	1570	1360	924	1330	610	176	902
6	2360	1780	1520	1750	1470	1560	1320	1320	1210	870	172	908
7	2240	1720	1650	1720	1350	1570	1290	1210	1050	871	174	936
8	2070	1700	1700	1600	1580	1540	1320	1160	1070	841	196	1080
9	2050	1560	1590	1630	1780	1630	1470	1150	1120	930	195	1160
10	1890	1630	1650	1650	1620	1650	1430	1160	867	853	171	1190
11	1810	1650	1610	1530	1650	1700	1380	1230	734	781	156	1470
12	1850	1660	1600	1460	1610	1760	1410	1290	622	655	186	1540
13	1890	1660	1590	1420	1500	1680	1430	1550	545	548	275	1540
14	1910	1650	1100	1410	1440	1680	1360	1510	399	496	339	1450
15	1890	1610	940	1410	1530	1850	1240	1250	326	528	329	1360
16	1930	1700	810	1410	1630	2090	1170	1120	282	556	339	1290
17	1950	1780	690	1400	1570	2150	1140	916	254	494	330	1290
18	1950	1870	500	1420	1560	2030	1120	929	340	471	318	1340
19	1890	1830	750	1460	1550	1830	1170	1020	539	506	307	1610
20	1970	1720	930	1360	1490	1680	1110	1040	537	553	297	2150
21	1910	1570	800	1160	1730	1540	1060	972	851	552	287	2050
22	1850	1390	810	1130	1600	1480	1070	1070	1070	527	297	1950
23	1810	1410	980	1250	1220	1410	1070	972	1040	445	337	1830
24	1810	1560	1170	1150	1290	1390	980	1120	1230	410	347	1830
25	1780	1560	1190	1270	1310	1630	890	1280	1100	410	547	1800
26	1830	1630	1140	1120	1320	1760	846	1330	1000	355	775	1780
27	1810	1720	1170	1120	1380	1480	802	1230	890	365	586	1730
28	1850	1740	1340	1100	1500	1380	788	1270	838	363	612	1660
29	1810	1700	1410	1110	-----	1390	773	1280	915	300	720	1660
30	1740	1700	1420	1120	-----	1320	860	1370	804	330	865	1680
31	1680	-----	1560	1100	-----	1310	-----	1430	-----	276	970	-----
Mean	2050	1697	1275	1402	1468	1628	1165	1157	914	553	361	1439
Max.	3030	1970	1700	1750	1780	2150	1470	1550	1700	930	970	2150
Min.	1680	1390	500	1100	1110	1310	773	837	254	276	156	902
A.F.	126030	100960	78410	86200	81500	100090	69320	71150	54370	34000	22180	85620

Total acre-feet 909830.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT LEWELLEN
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2940	1950	1930	2180	980	1590	1410	1380	1790	618	229	893
2	2950	1990	1880	2150	1170	1620	1350	1310	1770	551	217	935
3	3020	2000	1860	2060	1480	1630	1340	1120	1740	545	187	945
4	3000	1950	1820	2050	1680	1630	1350	1160	1660	588	181	929
5	2790	1940	1880	2030	1730	1630	1400	1140	1480	610	172	947
6	2500	1920	1860	2020	1600	1640	1380	1520	1290	791	170	944
7	2420	1890	1870	2010	1240	1600	1390	1480	1170	825	193	1000
8	2300	1890	1890	1980	1420	1540	1400	1330	1160	829	196	1240
9	2240	1850	1820	1840	1860	1530	1570	1240	1230	974	212	1340
10	2180	1840	1800	1850	1800	1520	1580	1270	1080	910	196	1200
11	2150	1850	1590	1810	1730	1520	1410	1350	932	841	193	1340
12	2140	1870	1190	1740	1730	1580	1330	1400	836	746	231	1500
13	2140	1870	1150	1510	1590	1590	1280	1560	691	622	289	1520
14	2140	1860	1310	1560	1450	1590	1280	1650	553	529	347	1500
15	2140	1880	1010	1680	1550	1730	1290	1400	460	500	331	1460
16	2130	1880	930	1680	1860	2040	1270	1270	372	552	307	1420
17	2090	1860	1040	1690	1830	2170	1260	1160	346	538	315	1390
18	2050	1860	930	1680	1910	2070	1260	1080	467	512	284	1480
19	1990	1850	830	1670	1970	1930	1280	1170	642	473	286	1640
20	2030	1850	1210	1570	1870	1770	1230	1190	665	487	293	1960
21	2020	1850	1370	1400	1870	1670	1230	1160	793	482	281	2030
22	2020	1710	1070	1250	1750	1660	1280	1120	930	470	321	1880
23	2030	1600	1080	1450	1700	1640	1320	1050	926	415	361	1800
24	2060	1780	1310	1480	1690	1580	1250	1440	1050	382	370	1840
25	2040	1890	1590	1540	1690	1590	1180	1380	922	394	407	1840
26	2050	1900	1560	1540	1640	1790	1120	1380	896	380	709	1830
27	2050	1910	1390	1290	1580	1750	1060	1310	796	370	559	1800
28	2020	1920	1550	1240	1590	1620	1010	1330	764	369	553	1780
29	2000	1920	1790	1330	-----	1550	969	1400	767	337	633	1760
30	1980	1950	1920	1330	-----	1490	1030	1510	752	289	721	1780
31	1980	-----	2030	1080	-----	1450	-----	1620	-----	262	829	-----
Mean	2248	1876	1499	1667	1641	1668	1284	1319	964	555	344	1464
Max.	3020	2000	2030	2180	1970	2170	1580	1650	1790	974	829	2030
Min.	1980	1600	830	1080	980	1450	969	1050	346	262	170	892
A.F.	138210	111630	92150	102530	91160	102570	76380	81080	57380	34100	21170	87120

Total acre-feet 995480.

REPORT OF THE STATE ENGINEER

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT KEYSTONE
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	402	61	16	3	5	13	9	538	314	965	1970	735
2	390	14	10	3	5	8	5	508	273	968	1900	741
3	382	38	9	3	5	6	47	530	273	988	1920	663
4	234	18	4	3	5	6	6	398	284	980	1940	503
5	91	14	4	3	5	6	5	543	346	995	1910	473
6	119	20	9	3	5	18	4	569	314	988	1920	368
7	119	14	16	3	5	15	4	372	238	944	1910	258
8	115	61	21	3	5	6	5	533	812	958	1890	407
9	113	11	5	3	5	18	5	575	958	1060	1840	376
10	117	5	4	3	5	5	19	646	923	1330	1730	306
11	113	9	3	3	5	5	6	618	1050	1390	1530	295
12	108	74	3	3	6	5	5	618	1360	1620	1330	299
13	101	9	8	3	6	3	4	483	1460	1950	1050	302
14	103	13	8	3	6	3	4	295	1560	1920	1060	306
15	67	49	6	3	6	3	4	299	1640	1980	1060	302
16	9	62	3	3	6	13	4	302	1630	2250	1050	227
17	8	12	3	3	5	15	6	306	1650	2250	1170	186
18	10	13	3	3	5	5	6	280	1590	2250	1340	127
19	7	4	3	4	5	3	7	284	1310	2290	1350	98
20	7	6	3	3	4	5	3	269	1170	2290	1370	111
21	10	10	3	4	5	4	6	342	965	2260	1670	122
22	6	8	3	4	5	3	6	342	780	2320	1900	125
23	7	4	3	4	5	5	5	368	780	2260	1840	98
24	48	4	3	4	5	3	5	350	980	2100	1830	118
25	10	3	3	4	61	5	5	334	1110	2040	1850	86
26	13	18	3	5	18	5	11	355	958	2080	1660	16
27	18	4	3	5	10	5	125	363	1220	1930	1480	9
28	36	3	3	5	12	5	475	363	1250	1930	1300	9
29	17	3	3	5	---	12	510	368	1060	1940	1000	8
30	30	3	3	5	---	6	630	426	951	1910	909	8
31	43	---	3	5	---	5	---	385	---	2010	748	---
Mean	92	19	6	4	8	7	65	420	974	1714	1530	256
Max.	402	74	21	5	61	18	630	646	1650	2320	1970	741
Min.	6	3	3	3	5	3	4	269	238	944	748	8
A. F.	5660	1120	350	220	450	430	3850	25810	57940	105390	94070	15240

Total acre-feet 310530.

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT SUTHERLAND
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	614	83	126	94	120	144	116	805	428	641	1700	650
2	504	134	120	100	140	134	112	660	366	660	1700	605
3	442	134	116	110	140	144	112	596	346	660	1640	605
4	420	134	123	110	140	126	144	632	322	805	1700	560
5	398	134	139	130	130	123	123	544	310	785	1620	420
6	264	144	120	140	130	210	106	716	298	835	1560	322
7	210	152	112	120	150	236	98	669	280	876	1490	316
8	170	152	116	110	150	157	102	379	247	707	1490	537
9	180	175	44	120	110	210	134	353	496	669	1440	825
10	180	180	46	120	110	220	175	435	632	688	1520	569
11	175	170	46	100	110	215	162	458	578	887	1660	450
12	180	166	60	94	110	180	144	450	623	950	1540	372
13	180	205	66	88	100	148	126	420	1000	1080	1350	366
14	215	175	70	110	120	130	123	316	1100	1350	929	360
15	252	175	70	110	180	134	116	210	1190	1580	805	360
16	236	180	70	100	150	236	106	175	1300	1600	775	328
17	185	190	70	120	130	258	102	180	1400	1800	765	274
18	166	157	70	130	130	210	89	148	1660	1890	845	292
19	157	139	70	120	134	185	80	130	1660	1870	1000	322
20	162	130	70	120	126	166	74	130	1360	1910	1000	274
21	162	126	70	120	130	148	68	126	1100	1940	972	247
22	162	162	72	130	144	148	63	123	805	1950	1170	175
23	148	134	72	150	134	139	51	139	614	1990	1630	162
24	134	185	72	120	130	126	41	372	560	1990	1640	112
25	162	205	72	140	130	139	37	386	650	1330	1570	83
26	139	123	72	120	190	210	35	280	825	1600	1740	80
27	116	139	72	100	170	180	35	264	785	1680	1720	32
28	116	123	72	110	148	144	37	286	940	1580	1350	12
29	134	126	72	120	---	123	316	412	887	1580	1210	9
30	144	123	77	120	---	116	398	512	755	1640	898	9
31	144	---	84	110	---	116	---	472	---	1700	785	---
Mean	221	152	82	116	135	166	114	380	784	1346	1329	326
Max.	614	205	139	150	190	258	398	805	1660	1990	1740	825
Min.	116	83	44	88	100	116	35	123	247	641	765	9
A. F.	13590	9030	5020	7110	7510	10220	6790	23360	46650	82760	81750	19390

Total acre-feet 313180.

BUREAU OF IRRIGATION

459

DISCHARGE IN SECOND-FEET, NORTH PLATTE RIVER AT NORTH PLATTE
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1070	382	400	540	290	388	345	948	728	868	1630	1080
2	948	376	413	520	390	340	340	1370	643	814	1600	1000
3	324	407	363	490	420	351	334	834	625	859	1610	942
4	803	400	351	490	430	340	334	824	610	933	1740	933
5	814	432	357	470	420	316	369	782	551	952	1760	788
6	628	426	376	440	320	283	345	750	507	924	1730	664
7	485	407	363	380	290	492	334	937	479	1060	1660	737
8	445	400	357	340	490	413	340	824	452	990	1610	933
9	465	400	300	340	410	426	407	692	439	904	1610	1310
10	485	426	300	340	380	485	492	834	656	904	1590	1210
11	515	419	300	330	380	515	432	891	728	962	1700	841
12	530	407	300	260	350	500	407	814	746	1110	1730	656
13	522	400	300	280	350	485	376	761	859	1130	1700	543
14	515	426	300	360	340	445	357	790	1040	1230	1460	551
15	530	407	300	390	420	445	340	560	1090	1440	1060	551
16	522	407	300	360	430	611	334	452	1150	1580	942	543
17	478	432	300	380	419	721	334	452	1310	1550	904	486
18	413	426	300	380	369	568	305	419	1690	1560	886	493
19	407	400	300	360	357	500	299	363	1790	1870	990	551
20	419	376	300	320	357	478	322	376	1670	1910	1050	452
21	419	345	300	290	357	478	299	351	1410	1960	1080	425
22	413	316	300	310	357	492	294	311	1170	2050	1190	394
23	426	300	300	380	369	478	294	294	980	2020	1470	368
24	432	350	300	320	357	413	288	645	868	1980	1760	345
25	439	400	300	370	357	419	272	937	796	2000	1880	350
26	465	407	320	290	345	500	261	645	924	1990	1870	321
27	407	351	350	230	400	485	235	530	1030	1900	1960	266
28	388	363	380	270	382	445	240	552	1010	1900	2020	250
29	388	363	420	370	-----	407	351	712	1090	1760	1730	255
30	394	369	460	270	-----	369	568	880	1050	1690	1490	255
31	382	-----	500	190	-----	369	-----	814	-----	1660	1250	-----
Mean	528	391	339	357	376	450	342	687	937	1434	1505	616
Max.	1070	432	500	540	490	721	568	1370	1790	2050	2020	1310
Min.	382	300	300	190	290	283	235	294	439	814	886	250
A.F.	32470	23250	20850	21940	20900	27680	20330	42220	55730	88190	92510	36680

Total acre-feet 482750.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT PAXTON
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	356	459	504	1000	770	525	590	177	206	32	9	12
2	425	474	520	1000	730	499	568	172	199	30	9	10
3	489	484	525	1000	780	459	546	155	199	28	8	9
4	562	484	590	1000	870	444	530	129	186	32	8	8
5	602	484	540	1000	930	449	520	117	172	46	7	7
6	626	484	535	1000	1030	439	494	122	155	66	7	7
7	620	479	546	1000	940	415	479	122	137	71	6	8
8	584	489	552	1250	880	406	459	122	122	52	6	32
9	535	469	510	1170	870	494	469	117	110	42	5	124
10	479	469	396	1080	840	557	510	115	102	38	5	186
11	439	479	312	1080	820	620	525	115	91	31	4	129
12	434	439	308	980	860	682	525	120	82	24	4	110
13	469	439	342	910	884	715	520	129	78	16	6	147
14	494	425	374	800	852	750	515	132	71	21	5	222
15	489	425	350	760	815	778	504	134	66	22	5	215
16	494	429	350	820	838	830	499	139	64	20	6	212
17	494	429	350	810	838	892	479	134	65	21	4	189
18	489	434	350	840	822	900	425	124	85	21	4	177
19	484	439	350	870	800	868	385	115	84	20	3	155
20	489	444	350	860	715	852	345	112	82	18	3	137
21	484	439	350	840	676	778	305	106	82	17	3	112
22	484	429	350	740	650	743	265	104	64	16	4	100
23	484	429	350	690	614	729	233	110	52	14	6	91
24	479	439	350	730	590	696	206	150	47	14	5	87
25	489	454	350	760	579	676	183	180	43	14	6	78
26	484	450	350	860	562	696	157	189	39	15	21	66
27	504	469	350	820	546	715	147	189	38	18	17	60
28	504	474	350	710	530	722	137	196	36	14	14	55
29	504	479	350	640	-----	689	127	209	35	13	13	53
30	504	484	350	730	-----	650	117	212	33	11	12	56
31	504	-----	350	780	-----	620	-----	202	-----	10	9	-----
Mean	499	457	401	888	773	654	392	144	94	26	7	95
Max.	626	489	552	1250	1030	900	590	212	206	71	21	222
Min.	356	425	308	640	530	406	117	104	33	10	3	7
A.F.	30700	27200	24680	54500	42300	40240	23330	8820	5600	1600	440	5660

Total acre-feet 265770.

DISCHARGE IN SECOND-FEET, SOUTH PLATTE RIVER AT NORTH PLATTE
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	394	530	554	1050	610	664	727	300	328	115	69	118
2	462	506	664	1050	720	664	682	388	328	112	68	110
3	483	490	691	1050	820	612	655	344	344	120	68	110
4	546	476	638	1050	920	562	621	295	350	122	112	112
5	596	455	570	1050	790	562	673	280	328	122	101	108
6	612	469	578	1390	890	587	682	285	316	130	93	105
7	664	490	664	1430	1140	546	630	300	295	137	87	125
8	638	506	700	1370	1110	546	630	285	265	151	80	177
9	587	483	655	1320	940	578	638	218	232	134	74	214
10	562	469	554	1210	1130	638	664	189	223	122	73	246
11	530	462	350	1130	1180	673	691	218	205	112	76	275
12	522	490	350	1020	1170	783	682	205	205	105	74	246
13	562	506	350	973	1160	859	700	228	201	99	78	236
14	604	506	350	973	1150	840	664	218	197	103	76	246
15	578	506	350	897	1110	830	612	205	185	105	76	300
16	562	506	350	897	1090	859	604	189	181	99	76	295
17	570	498	350	954	964	954	630	241	189	91	73	290
18	612	514	350	1010	944	973	630	250	223	89	69	300
19	621	514	350	1050	954	1020	587	228	246	85	69	322
20	570	490	350	1050	944	1050	546	218	236	84	67	322
21	562	476	350	1040	868	1050	490	223	214	84	65	275
22	522	469	350	1000	868	1010	420	223	218	82	74	285
23	514	498	350	916	868	954	381	232	218	79	82	290
24	538	506	350	859	840	812	350	285	193	78	89	241
25	530	522	350	916	727	754	333	316	140	78	89	214
26	530	538	350	935	709	792	311	290	134	78	110	201
27	538	522	350	992	673	830	290	275	122	85	134	193
28	514	570	250	982	638	812	270	290	125	82	128	185
29	490	578	350	944	-----	802	250	323	130	82	125	189
30	476	538	350	360	-----	821	232	381	122	74	120	185
31	506	-----	350	500	-----	812	-----	350	-----	72	120	-----
Mean	548	563	439	1012	926	782	542	267	223	100	87	217
Max.	664	578	700	1430	1180	1050	727	388	350	151	134	322
Min.	394	455	350	360	610	546	232	189	122	72	65	105
A.F.	33710	29920	27010	62220	51430	48100	32280	16420	13280	6170	5350	12920

Total acre-feet 338810.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT BRADY
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	222	139	126	250	190	189	169	206	247	146	818	314
2	323	140	101	250	240	184	161	503	205	183	727	167
3	201	146	171	250	360	181	157	574	187	154	695	161
4	178	158	234	250	340	176	152	257	172	145	752	139
5	175	149	280	250	200	160	149	207	153	118	890	113
6	167	151	285	250	200	160	149	186	143	174	913	113
7	161	151	261	250	220	160	140	179	129	228	889	137
8	158	158	251	250	220	140	139	192	123	144	827	241
9	152	150	200	250	230	234	145	181	115	164	757	276
10	145	156	200	250	190	238	168	178	109	131	743	221
11	144	161	200	420	190	301	186	178	102	114	769	211
12	140	159	200	290	180	318	163	161	100	142	709	217
13	136	157	200	260	180	289	149	143	95	241	894	142
14	145	157	200	220	180	253	145	126	92	284	825	126
15	139	158	200	220	200	245	141	115	88	439	681	116
16	155	156	200	210	250	288	147	115	85	544	365	110
17	148	156	200	240	220	378	146	112	88	675	287	109
18	139	156	200	230	230	366	143	108	263	712	170	130
19	138	157	200	200	250	317	142	104	551	842	124	164
20	142	160	200	170	253	268	139	101	405	962	137	135
21	139	129	200	160	218	242	139	101	337	914	217	122
22	139	98	200	170	206	232	134	100	414	816	242	116
23	140	127	200	190	204	219	133	118	527	1010	314	107
24	144	171	200	160	195	199	129	277	213	1020	534	105
25	135	205	200	170	191	216	120	304	203	1080	822	101
26	137	179	200	150	191	256	113	218	192	1010	834	96
27	142	133	200	160	185	240	112	168	257	1030	943	92
28	144	145	200	160	189	218	112	171	302	988	919	96
29	136	133	200	160	-----	203	109	250	289	973	958	100
30	134	137	200	150	-----	191	112	515	252	885	678	97
31	137	-----	200	170	-----	183	-----	323	-----	868	573	-----
Mean	156	151	204	218	218	234	141	209	215	563	645	146
Max.	323	205	285	420	360	378	186	574	551	1080	958	314
Min.	134	98	101	150	180	140	109	100	85	114	124	92
A. F.	9590	8990	12510	13410	12100	14370	8420	12840	12770	33990	39680	8680

Total acre-feet 187350.

BUREAU OF IRRIGATION

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT COZAD
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	188	203	241	270	170	293	270	180	258	154	29	92
2	151	233	187	270	220	258	259	240	158	110	108	123
3	183	247	156	270	260	283	254	258	146	120	83	107
4	151	268	210	270	340	273	238	149	87	180	97	87
5	143	251	210	270	250	274	220	105	40	135	122	74
6	129	242	210	270	290	264	214	127	18	135	168	66
7	128	243	210	270	260	334	198	131	14	157	142	262
8	141	248	210	270	280	296	201	87	14	189	62	377
9	120	237	210	270	290	361	193	94	24	123	38	442
10	96	231	210	270	300	359	236	144	31	73	38	301
11	84	234	210	541	305	368	263	141	17	47	38	176
12	77	210	210	447	305	420	276	160	31	37	37	120
13	81	203	210	383	282	409	221	274	16	46	41	122
14	90	175	210	383	267	382	241	249	27	86	123	88
15	96	209	210	329	297	389	212	190	31	177	100	77
16	98	212	210	317	309	475	212	138	26	327	58	30
17	120	201	210	338	312	518	202	62	15	320	25	14
18	120	201	210	333	320	557	205	62	82	263	23	32
19	120	210	210	338	337	515	179	44	239	180	20	65
20	120	183	210	310	354	432	185	35	187	176	20	40
21	120	157	210	289	345	357	181	19	99	156	20	28
22	120	139	210	278	345	359	178	18	61	80	81	21
23	120	200	210	282	332	338	178	35	53	10	94	20
24	120	246	210	281	316	309	209	189	152	11	34	24
25	141	229	210	296	301	288	155	214	82	31	27	20
26	142	226	210	296	324	329	150	88	70	96	27	21
27	138	219	210	252	316	342	140	70	60	49	44	18
28	145	217	210	277	312	341	140	123	121	37	98	48
29	138	219	210	320	-----	311	140	314	236	22	127	67
30	135	213	210	246	-----	301	140	411	187	19	215	52
31	138	-----	210	170	-----	288	-----	510	-----	17	137	---
Mean	126	217	209	303	298	356	203	157	86	115	73	100
Max.	188	268	241	541	354	557	276	510	258	327	215	442
Min.	77	139	156	170	170	253	140	18	14	10	20	14
A. F.	7720	12900	12820	18660	16540	21860	12080	9640	5120	7070	4510	5980
Total acre-feet 134900.												

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT OVERTON
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	500	1280	1000	960	1300	1780	1470	728	1600	368	1600	236
2	896	1500	872	1120	1250	1410	1780	848	848	600	1410	272
3	824	1060	1410	1170	900	1080	1640	1060	1310	704	540	416
4	1000	620	1470	1180	1310	1440	1160	520	1250	464	336	464
5	1140	1030	1440	1260	1540	1710	1160	191	1140	368	448	368
6	974	1140	1160	940	1340	1640	1060	336	1280	432	448	464
7	432	1160	1050	1150	1190	1890	776	480	1340	448	320	1470
8	1570	1280	1000	1570	1380	1540	1160	464	1060	400	352	1160
9	1380	974	1280	1750	1280	1780	1060	400	560	400	284	1160
10	1570	776	1300	2450	947	1000	1060	580	872	200	173	1000
11	1280	540	1350	2240	1190	1160	1060	640	1310	212	236	1060
12	1380	896	900	2200	1540	1380	800	368	1220	384	212	947
13	1220	1000	900	1380	1410	1380	680	660	1080	384	352	947
14	574	1080	900	1710	1310	1540	680	920	947	146	352	1030
15	1220	1110	900	1930	1380	1740	776	1060	752	432	336	520
16	1140	1140	900	1890	1500	2370	752	1110	260	416	368	800
17	1140	1250	900	1820	1220	1540	824	1160	432	336	352	920
18	1220	660	900	1600	1540	1380	1000	1080	500	236	320	947
19	1160	1140	900	1410	1970	1780	896	896	480	191	308	1190
20	1060	1280	900	947	1740	1850	824	872	284	155	173	872
21	752	1380	900	1310	1930	2010	824	920	212	260	284	660
22	824	1570	900	1380	1930	2240	974	920	94	320	480	520
23	1060	1740	900	1710	1820	2320	776	1340	60	480	368	800
24	1220	1440	900	1640	1280	1540	680	2080	94	352	336	640
25	1190	1000	900	1680	1410	1820	580	1970	146	448	248	500
26	1160	1110	900	1650	1780	2010	500	896	146	520	308	580
27	1190	1030	900	850	1710	1850	384	872	104	704	368	1000
28	848	1060	890	1400	1640	1280	236	1110	82	540	224	824
29	947	947	850	1500	-----	1220	212	1470	52	500	132	500
30	1190	776	750	1500	-----	1600	448	1710	82	368	60	704
31	1280	-----	830	1430	-----	974	-----	2370	-----	384	212	-----
Mean	1088	1099	1002	1507	1455	1621	874	959	653	392	387	766
Max.	1570	1740	1470	2450	1970	2370	1780	2370	1600	704	1600	1470
Min.	432	540	750	850	900	974	212	191	52	146	60	236
A. F.	66920	65390	61610	92630	80800	99630	52030	59570	38870	24100	23780	45560
Total acre-feet 710990.												

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT ODESSA
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	563	956	1060	1250	1410	1540	858	290	1470	17	100	32
2	625	1060	976	1250	1320	1370	1300	486	1280	34	486	30
3	695	1190	1350	1250	1250	1330	1300	712	936	280	209	17
4	712	695	1570	1250	1070	1020	1020	765	1060	348	62	62
5	898	563	1470	1250	1370	1400	976	402	1040	225	68	62
6	956	858	1350	1250	1300	1440	956	312	936	247	55	236
7	820	917	1080	1250	1270	1470	956	376	1020	470	48	2070
8	800	1080	1170	1250	1370	1700	800	389	839	209	28	2580
9	1210	1060	800	1250	1370	1420	1150	416	748	291	15	1620
10	1370	936	800	2300	1610	995	1060	516	324	247	9	1100
11	1280	1100	800	1960	1290	594	1100	642	800	83	6	898
12	1260	1060	800	1830	1800	956	878	501	1020	140	5	858
13	1210	1020	800	1710	1760	917	712	290	712	201	9	878
14	1190	956	800	1250	1640	956	765	486	516	291	5	839
15	839	878	800	1720	1650	1330	416	695	430	348	4	642
16	1150	800	800	1720	1660	2810	594	765	324	416	6	280
17	1280	878	800	1960	1730	2280	594	839	125	258	9	625
18	1330	898	800	1810	1500	1170	660	695	362	130	6	320
19	1300	516	800	1700	1730	1600	695	782	730	110	5	1400
20	1260	976	800	1690	1720	1640	578	532	335	65	0	858
21	1330	1260	800	1390	1600	1830	660	594	145	65	0	660
22	936	1700	800	1920	1570	2020	625	578	95	65	17	660
23	1330	1330	800	2170	1500	1960	730	1700	55	95	34	625
24	1540	1800	800	2060	1330	1720	695	2100	36	130	24	625
25	1350	1210	800	1940	878	1570	678	1850	34	100	18	563
26	1300	878	800	1700	1670	1750	625	1080	32	130	10	443
27	1120	1120	800	1200	1500	1750	443	516	28	169	30	532
28	1120	1060	800	900	1440	1400	348	858	22	200	22	898
29	610	956	800	1800	-----	1330	176	1150	20	105	9	712
30	820	800	800	1500	-----	1440	176	1260	19	71	4	402
31	858	-----	800	1300	-----	1330	-----	1400	-----	42	0	-----
Mean	1067	1017	917	1577	1475	1485	751	773	516	180	42	734
Max	1540	1800	1570	2300	1800	2810	1300	2100	1470	470	486	2580
Min.	563	516	800	900	878	594	176	290	19	17	0	17
A.F.	65580	60520	56380	96950	81930	91320	44680	47560	30730	11090	2580	43690

Total acre-feet 633010.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT GRAND ISLAND
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1380	1010	1220	1220	760	1480	1310	208	1250	29	22	62
2	972	1100	840	1260	900	1500	1160	253	1380	13	11	59
3	716	1120	933	1400	1250	1500	896	466	1290	10	5	114
4	733	1270	859	1670	1310	1380	1180	584	1080	56	13	109
5	840	1270	952	1940	1360	1290	1140	616	915	109	224	95
6	896	878	2020	2100	1270	1340	952	632	896	234	109	183
7	1080	785	2160	2160	1380	1720	896	525	822	322	82	293
8	993	972	1600	1990	1410	1480	896	253	733	312	59	412
9	840	1050	1230	1750	1420	1500	822	283	766	273	39	1700
10	859	1160	510	2080	1410	1700	896	374	632	175	26	1940
11	1270	1200	380	2220	1440	1520	1050	425	584	131	15	1270
12	1360	1030	200	1940	1680	1200	1030	438	348	126	6	1010
13	1290	915	270	1550	1410	896	896	555	599	87	3	952
14	1400	896	390	1510	1580	1270	716	525	749	53	2	1450
15	1220	1160	410	1410	1720	1250	510	361	632	98	0	1180
16	1120	1120	420	1250	1730	2130	438	510	466	302	0	993
17	896	1140	430	1480	1810	3770	348	716	438	361	0	859
18	1100	1180	390	1780	1870	3030	451	785	1030	273	0	569
19	1030	1290	580	1890	2180	1960	510	822	1140	322	0	1120
20	1030	1180	760	1770	2290	1750	525	716	1270	312	0	1700
21	1010	840	710	1450	2890	1940	584	649	993	216	0	1360
22	1030	750	420	1320	2050	2020	525	495	682	158	0	859
23	1010	700	430	1160	1850	1990	616	716	412	109	0	666
24	933	1000	480	1470	1750	2080	510	1800	263	78	0	632
25	1140	1500	470	1660	1550	2050	569	1960	253	65	18	632
26	1160	2000	450	1620	1290	1700	412	1990	136	78	33	682
27	1160	2280	510	1370	1250	1700	386	1570	78	65	47	666
28	1100	1650	570	1270	1500	1880	335	1160	82	50	69	666
29	1030	1310	640	1280	-----	1750	273	785	78	39	69	972
30	1010	1220	790	960	-----	1360	224	1140	53	39	82	1120
31	840	-----	970	890	-----	1360	-----	1360	-----	50	73	-----
Mean	1047	1166	742	1575	1532	1725	702	764	668	147	32	811
Max.	1400	2280	2160	2220	2890	3770	1310	1990	1380	361	224	1940
Min.	716	700	200	890	760	896	224	208	53	10	0	59
A.F.	64360	69370	45610	96830	87890	106100	41760	46950	39770	8010	2000	48250

Total acre-feet 657900.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT DUNCAN
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2720	886	1740	810	800	1600	1640	220	1340	102	3	1
2	2240	872	1220	920	640	1660	1660	267	1460	64	2	4
3	1430	1120	1070	1180	820	1640	1550	590	1530	45	1	4
4	980	1190	1180	1560	1000	1640	1160	550	1530	40	2	4
5	782	1190	1380	1760	1500	1740	1340	540	1260	33	13	1
6	820	1360	1500	2060	1600	1790	1480	654	845	26	7	2
7	845	1160	1890	2520	1500	1530	1230	665	709	19	17	6
8	872	872	2200	2340	1400	1910	1060	643	600	10	11	7
9	966	980	1940	2270	1400	1850	1040	484	570	42	7	54
10	886	1130	490	2140	1400	1660	1080	476	540	114	3	344
11	709	1230	320	1930	1500	1940	995	459	502	85	2	1480
12	1100	1270	350	2070	1500	1890	1210	442	425	81	10	1660
13	1360	1120	350	2080	1500	1700	1230	418	410	40	6	1310
14	1440	1080	370	1840	1500	1410	1160	388	273	16	4	1160
15	1480	1010	490	1630	1400	1440	1080	442	380	16	4	1190
16	1440	980	540	1580	1800	1890	886	402	425	141	4	1240
17	1270	995	570	1540	2000	2650	676	330	344	176	6	940
18	1040	1060	600	1410	2100	3940	550	344	886	192	4	845
19	1020	1130	560	1540	2400	3380	410	530	1510	255	4	770
20	1060	1060	520	1630	2600	2790	442	654	1460	214	4	745
21	980	810	580	1720	3000	2200	442	676	1260	237	6	1150
22	953	570	590	1470	3700	2540	484	654	1230	225	6	1550
23	953	780	600	1340	2600	2500	484	665	928	110	4	1380
24	912	790	620	1230	2470	2540	388	745	654	38	4	1080
25	732	720	610	1240	2220	2470	395	1480	434	22	4	808
26	953	1040	600	1350	2120	2430	324	1910	344	11	7	687
27	1150	2300	610	1450	2040	2390	344	1980	550	7	7	642
28	1080	2080	620	1280	1530	2040	249	1770	380	6	4	758
29	1120	1790	650	1020	-----	2220	237	1380	304	7	4	872
30	1070	1740	740	900	-----	2280	214	1160	165	7	2	795
31	1150	-----	800	910	-----	2000	-----	1120	-----	3	4	-----
Mean	1146	1144	848	1572	1787	2134	848	743	775	77	5	716
Max.	2720	2300	2200	2520	3700	3940	1660	1980	1530	255	13	1660
Min.	709	570	320	810	640	1410	214	220	165	3	1	1
A.F.	70480	68060	52170	96630	99250	131200	50460	45700	46110	4730	309	42620

Total acre-feet 707700.

DISCHARGE IN SECOND-FEET, PLATTE RIVER AT ASHLAND
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6520	3250	5400	2300	3300	6100	6440	2530	8780	5700	1460	1680
2	5620	3340	5200	2400	3100	6500	5050	2750	8960	3720	1220	1820
3	5050	2870	5100	2800	3000	5310	4860	3400	6270	3160	856	1510
4	4460	2750	3100	3100	2900	5700	4940	3620	5050	2670	659	2160
5	4190	3340	4200	3700	3100	5620	4570	4290	4680	2210	1000	1600
6	3690	3370	4100	4100	4900	6700	4430	3980	4190	1700	771	1900
7	3690	4080	3900	5000	6200	5500	4220	3130	4320	2130	674	1850
8	3750	4050	4200	4600	6800	5860	4460	3820	3820	2130	1160	1530
9	3250	3920	2900	5000	6000	5310	3690	3430	3040	1560	1820	2060
10	3620	3430	1900	5800	5400	5980	3880	3250	2590	2260	1600	2400
11	3530	3660	1100	6100	5300	5620	4050	3370	2480	2750	1310	3280
12	3250	4220	1200	5800	5400	5160	4390	3500	2870	2700	1040	4430
13	3280	4250	1400	5700	5400	5700	4250	3430	2640	2290	1080	4610
14	3040	4250	1200	5300	5400	5460	4750	3370	2340	2080	1260	5230
15	3920	4120	1400	5300	5200	5420	4500	3750	2260	2030	1580	4460
16	3040	4050	1600	5140	5800	5940	4120	3430	2210	1730	1420	4320
17	3790	4080	1500	4900	5800	6060	4500	2960	2000	1880	1220	3950
18	3920	4080	1600	4700	6100	7090	4120	3130	5850	1950	1240	3660
19	3750	3920	1400	4700	6200	10100	3950	2900	13700	2560	1330	8040
20	3530	3790	1700	4500	8000	8920	3280	2670	14800	2810	805	2870
21	3280	4190	1700	4600	8700	8150	2700	2530	10100	2400	553	6150
22	3280	2500	1800	4400	11000	7580	3010	3070	7680	1980	1240	5420
23	3220	2400	1700	4600	15100	7180	2840	3460	6520	1780	320	4820
24	3370	1600	1600	4700	11500	7320	2980	3880	5420	1700	1420	3850
25	3750	1600	1600	4500	8390	6810	2960	5280	3980	1750	1530	3560
26	3190	1700	1600	4200	7540	6920	2900	6570	3340	1400	1280	3370
27	2900	2180	1700	4000	7090	8580	2640	6920	2960	1140	1040	3160
28	3190	3400	1800	3800	6270	6370	2480	6150	3710	1420	890	2840
29	3340	4600	2200	3800	-----	6150	2610	5420	9240	1460	1260	2640
30	3040	6600	2300	4000	-----	6100	2180	4940	8920	1200	1490	2870
31	3820	-----	2200	4000	-----	5780	-----	4980	-----	1060	1560	-----
Mean	3718	3520	2397	4437	6389	6461	3858	3866	5424	2171	1260	3234
Max.	6520	6600	5400	6100	15100	10100	6440	6920	14800	5700	3280	6150
Min.	2900	1600	1100	2300	2900	5160	2180	2530	2000	1040	553	1510
A.F.	228600	209400	147400	272800	354800	397300	229600	237700	322800	133500	77450	192500

Total acre-feet 2804000.

DISCHARGE INTO NORTH PLATTE RIVER FROM DRAINS
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT

Values in Acre-feet.
For the Water Year Ending September 30, 1945

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Bald Drain*	310	240	140	170	250	180	180	610	1140	920	740	300	5180
Bayard Sugar Factory Drain	3000	2570	2160	2120	1770	1780	1690	1760	2860	2510	3410	3680	29310
Cleveland Drain†	500	220	120	120	110	180	120	280	1350	950	830	1170	5950
DeGraw Drain*	490	240	220	320	370	350	360	240	150	120	180	240	3280
Dugout Creek, Upper†	460	260	190	180	140	120	60	420	2190	550	2110	1180	7860
Fairfield Seep*	30	30	30	0	0	30	50	20	0	0	30	30	250
Fanning Seep*	310	300	250	280	240	210	240	250	330	180	220	300	3120
Gering Drain	3570	2100	2080	1980	1640	1650	1650	2490	6510	4690	8090	6360	42810
Horse Creek	4290	2540	1960	1630	1160	1520	1840	4750	14700	4580	16760	8290	64020
Indian Creek†	770	650	610	310	330	370	330	480	1220	660	1240	1150	8120
Lane Drain†	180	130	120	80	110	60	60	70	120	230	250	420	1830
Melbeta Drain†	560	180	120	200	210	170	150	240	340	260	620	630	3680
Nine Mile Drain	10510	7830	6880	6330	5130	5270	4850	6370	10830	9610	13120	13280	100100
Red Willow Drain	8170	6420	5530	4940	4010	3910	3620	5320	10400	5240	9200	12420	79180
Scottsbluff Drain No. 1†	740	650	740	640	450	470	440	430	770	690	720	1140	7880
Scottsbluff Drain No. 2†	360	230	140	120	110	100	90	250	300	310	530	550	3090
Sheep Creek	6090	5250	5160	4960	4150	4400	4480	3460	4760	1640	740	3070	48160
Spotted Tail Creek, Dry†	2970	2250	2210	1990	1660	1770	1680	2310	2930	3380	5300	5700	34150
Spotted Tail Creek, Wet†	680	710	920	830	720	780	770	770	830	920	980	950	9360
Tub Springs†	4540	1960	1870	2300	1960	1840	1930	1530	4040	2460	2350	2260	29040
Winters Creek	5750	4640	4440	3690	3020	3090	2810	2950	4650	2630	5060	5540	48270
Total	54280	39450	35890	33190	27540	28250	27400	35000	70470	42530	72480	68660	535140

*Estimated for entire year from measurements.

†Estimated October-April inclusive. One reading daily May-September.

**DISCHARGE INTO NORTH PLATTE RIVER FROM DRAINS
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT**

Values in Acre-feet.

For the Water Year Ending September 30, 1946

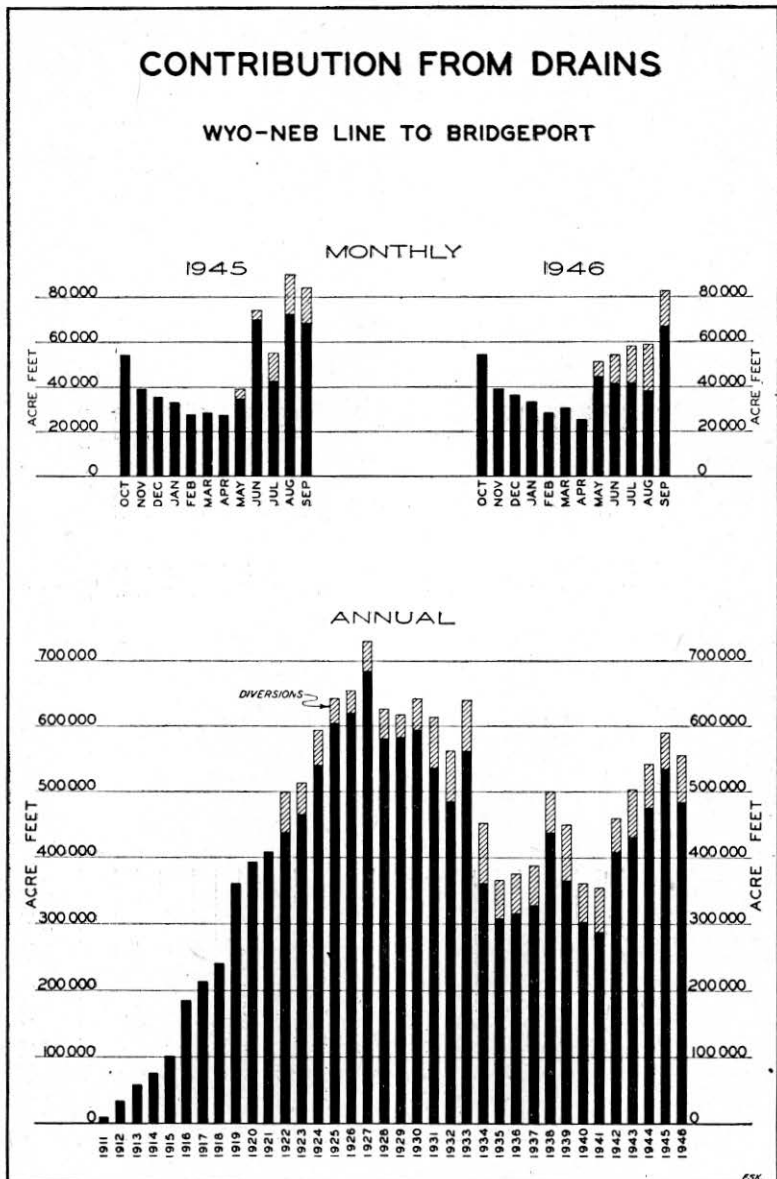
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Total
Bald Drain*	310	180	180	230	170	210	150	1040	1270	930	890	1190	6750
Bayard Sugar Factory Drain	3310	2350	2210	1990	1670	1840	1550	1310	1840	1850	2060	2940	24920
Cleveland Drain†	460	110	70	110	60	80	100	1170	1230	1370	720	1470	6950
DeGraw Drain*	310	270	220	270	240	270	150	210	240	370	280	320	3150
Dugout Creek, Uppert	370	360	240	250	150	120	60	1050	780	1760	580	990	6710
Fairfield Seep*	30	30	30	30	30	30	20	20	0	20	20	0	260
Fanning Seep*	310	300	310	320	190	160	120	180	180	170	240	300	2780
Gering Drain†	2430	2080	1840	1810	1500	1600	1780	4690	3320	3570	3530	5240	33390
Horse Creek	6580	3500	3290	3020	4000	5060	2770	8020	8000	5110	4010	10520	63880
Indian Creek†	730	660	640	350	260	250	240	430	390	1070	1220	1150	7390
Lane Drain†	310	180	230	150	110	120	60	60	160	230	250	550	1990
Melbeta Drain†	180	120	120	120	80	60	120	310	380	470	10	390	2780
Nine Mile Drain	10070	7530	6780	5860	4820	5160	4950	6980	8320	10340	11210	13470	95490
Red Willow Drain	7500	5990	5300	4560	3680	3820	3390	7070	4980	5210	4720	10470	66690
Scottsbluff Drain No. 1†	1010	600	540	510	400	400	480	430	360	620	900	940	7190
Scottsbluff Drain No. 2†	670	240	130	100	60	60	60	310	310	580	470	250	3240
Sheep Creek	6680	5180	5290	4580	4200	4390	3030	2460	1470	500	450	3320	41550
Spotted Tail Creek, Dry†	2770	2080	1910	2040	1590	1590	1960	2610	2900	3540	2330	3150	28470
Spotted Tail Creek, Wet†	980	910	810	820	650	670	580	660	710	770	920	950	9430
Tub Springs†	3690	2380	2380	2530	1960	1900	1640	2220	2180	580	110	2470	24040
Winters Creek	6170	4110	4030	3630	2930	2950	2250	3740	2680	2910	3440	7230	46070
Total	54870	39160	36550	33280	28750	30740	25460	44970	41700	41970	38360	67310	483120

*Estimated for entire year from measurements.

†Estimated October-April inclusive. One reading daily May-September.

CONTRIBUTION FROM DRAINS

WYO-NEB LINE TO BRIDGEPORT



**DIVERSIONS FROM DRAINS BETWEEN
WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT**

Values in Acre-feet

For the Water Year Ending September 30, 1945

	May	June	July	Aug.	Sept.	Total
Tri-State Canal from:—						
Akers Draw.....	547	714	770	829	833	3693
Sheep Creek.....	724	448	3330	5280	3640	13422
Dry Spotted Tail Creek.....	0	0	0	0	0	0
Wet Spotted Tail Creek.....	637	942	914	1470	2000	5963
Tub Springs.....	176	8	756	1990	2440	5370
Enterprise Canal from:—						
Stewart and Morrill Drains.....	0	60	80	60	80	280
Wet Spotted Tail Creek.....	410	370	590	780	770	2920
Tub Springs.....	540	220	420	1060	540	2780
Winters Creek Canal from Winters Cr.	1250	840	3140	3860	3000	12090
Alliance Canal from:—						
Bayard Drain.....	170	220	930	360	380	2060
Red Willow Creek.....	230	210	2110	2480	1910	6940
Total	4684	4032	13040	18169	15593	55518

**DIVERSIONS FROM DRAINS BETWEEN
WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT**

Values in Acre-feet

For the Water Year Ending September 30, 1946

	May	June	July	Aug.	Sept.	Total
Tri-State Canal from:—						
Akers Draw.....	682	766	908	875	1060	4291
Sheep Creek.....	2110	3030	4550	5650	3420	18760
Dry Spotted Tail Creek.....	0	0	0	0	0	0
Wet Spotted Tail Creek.....	550	920	1470	1860	2380	7680
Tub Springs.....	20	320	750	2310	2420	5820
Enterprise Canal from:—						
Stewart and Morrill Drains.....	61	133	210	260	301	965
Wet Spotted Tail Creek.....	450	560	540	740	780	3070
Tub Springs.....	640	900	1540	2130	730	5940
Winters Creek Canal from Winters Cr.	1020	2740	3390	3200	2010	12360
Alliance Canal from:—						
Bayard Drain.....	850	1040	1210	570	470	4140
Red Willow Creek.....	0	2300	1820	3370	1900	9390
Total	6383	12709	16388	20965	15971	72416

SUMMARY OF MONTHLY DIVERSIONS FOR IRRIGATION BY SECTIONS, BETWEEN GUERNSEY, WYOMING AND ODESSA, NEBRASKA

Values in Acre-feet

For the Water Year Ending September 30, 1945

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Guernsey-Whalen	---	---	---	---	---	6500	48840	83300	58140	180530	196310	154660	730310
Whalen-State Line.....	2120	---	---	---	---	---	---	7896	11794	25680	26621	20482	94393
State Line-Mitchell.....	1930	---	---	---	---	---	---	41154	43122	75470	78369	68873	308918
Mitchell-Minatare	1970	---	---	---	---	---	---	4330	5120	12770	13690	12900	60780
Minatare-Bridgeport	800	---	---	---	---	---	---	4590	6900	15410	14870	14840	57410
Bridgeport-Lisco	230	---	---	---	---	---	---	990	760	4700	4005	4755	15490
Lisco-Oshkosh	107	---	---	---	---	---	---	14	322	497	440	566	1946
Oshkosh-Keystone	1490	---	---	---	---	---	---	1844	1100	4935	3013	3747	16129
Keystone-North Platte.....	12860	920	---	---	---	---	440	9522	9330	16667	25720	20148	95607
North Platte-Odesa.....	13670	---	---	---	---	1414	16090	18840	18350	63200	124550	71850	327964
Total, Guernsey-Odesa	35227	920	0	0	0	7914	65370	174310	154938	399859	487588	372821	1698947

FOR THE WATER YEAR ENDING SEPTEMBER 30, 1946

Guernsey-Whalen	---	---	---	---	---	---	53000	95910	129630	197720	211240	118030	806130
Whalen-State Line*	2300	1510	---	---	---	---	540	11990	16660	22720	23630	15190	94570
State Line-Mitchell.....	---	---	---	---	---	---	---	38571	62303	77520	81230	49761	309385
Mitchell-Minatare	---	---	---	---	---	---	1190	5360	11420	16250	15570	9170	58960
Minatare-Bridgeport	---	---	---	---	---	---	---	8440	15856	19000	21123	12024	76443
Bridgeport-Lisco	---	---	---	---	---	---	310	1825	4233	5380	6380	4125	22253
Lisco-Oshkosh	---	---	---	---	---	---	---	60	397	621	352	604	2034
Oshkosh-Keystone	1470	120	---	---	---	---	---	2240	4970	5200	5450	4230	23680
Keystone-North Platte	3250	---	---	---	---	---	800	13233	22118	30720	31800	12688	114609
North Platte-Odesa	---	970	---	---	---	---	42645	67855	83990	143160	150445	54960	560990
Total, Guernsey-Odesa	22315	2600	0	0	0	---	99085	245484	351607	518291	547220	280782	2069054

* Seven year average used in lieu of actual records of diversions, which were not available for 1946.

**ANALYSIS OF WATER DIVERTED BY PROJECTS IN THE PLATTE
AND NORTH PLATTE BASINS HAVING STORAGE RIGHTS
Measured Near Point of Diversion from Stream in Acre-Feet**

Project	1945			1946		
	Storage	Natural	Total	Storage	Natural	Total
Tri-State-Farmers						
Irrigation Dist.	0	11350	11350	0	11500	11500
Tri-State- Preferred Rights.....	4400	174500	173900	22990	163960	186950
Mitchell	3920	38290	42210	9470	26570	36040
Gering	5440	26100	31540	16220	16260	32480
Northport*	3240	25440	28680	1960	11500	13460
Northport (from drains).....	0	28450	28450	0	39170	39170
French	0	4030	4030	1780	750	2530
Dawson	655	50395	51050	3760	67760	71520
Gothenburg for Power.....	0	83620	83620	0	86820	86820
Gothenburg for Irrigation	0	22460	22460	6460	36150	42610
Six Mile	0	1240	1240	920	1420	2340
Cozad	0	16610	16610	8880	11590	20470
Orchard-Alfalfa	119	8401	8520	3460	6170	9630
Thirty Mile	670	40550	41220	15400	33890	49290
Elm Creek	0	6050	6050	2140	6480	8620
North Platte	0	34350	34350	2790	44540	47330
Tri-County Project.....	152502	947488	1099990	267842	881388	1149230
Kearney for Power.....	0	104130	104130	0	153530	153530
Kearney for Irrigation.....	0	4000	4000	0	3900	3900
Total	170046	1627454	1798400	364072	1603348	1967420
Government Canals for Irrigation**.....	377000	349000	726000	483000	323000	806000

* Exclusive of Drains.

** Fort Laramie and Interstate Canals.

MONTHLY EVAPORATION IN FEET—1945

Station*	Apr.	May	June	July	Aug.	Sept.	Oct.
Pathfinder Dam	**	0.557	0.559	0.802	0.706	0.458	**
Whalen Dam	**	.537	.535	.699	.546	.418	**
Bridgeport	0.293	.459	.450	.667	.551	.407	0.244
Kingsley Dam	**	**	.585	**	.761	.660	**
North Platte.....	.321	.451	.486	.588	.546	.464	**

* All stations use the United States Weather Bureau Class "A" Pans.

MONTHLY EVAPORATION IN FEET—1946

Station*	Apr.	May	June	July	Aug.	Sept.	Oct.
Pathfinder Dam	**	0.360	0.746	0.888	0.871	0.523	**
Whalen Dam	**	.784	.946	.867	.539	**	**
Bridgeport	0.495	.433	.558	.745	.608	.437	0.215
Kingsley Dam .....	.495	.594	.922	1.045	.782	.596	**
North Platte .....	.486	.465	.608	.699	.611	.446	**

* All stations use the United States Weather Bureau Class "A" Pans.

** No record reported.

PRECIPITATION AT VARIOUS POINTS
Data Compiled by Water Years from Records
of the United States Weather Bureau
Values in Inches

Month	Normal		1945		1946	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
*MITCHELL STATION, SCOTTS BLUFF COUNTY—ELEVATION 4080						
October	1.05	1.05	0.24	0.24	0.77	0.77
November	.36	1.41	.97	1.21	.77	1.54
December	.44	1.85	.33	1.54	.54	2.08
January	.17	2.02	.23	1.77	.10	2.18
February	.31	2.33	.55	2.32	.06	2.24
March	.56	2.89	.68	3.00	.83	3.07
April	1.55	4.44	1.78	4.78	.56	3.63
May	2.63	7.07	.98	5.76	4.36	11.43
June	2.47	9.54	5.15	10.91	1.83	13.26
July	1.78	11.32	1.91	12.82	.20	13.46
August	2.02	13.34	2.35	15.17	.42	13.88
September	1.64	14.98	1.02	16.19	3.17	17.05
*32-year record.						
*BRIDGEPORT STATION, MORRILL COUNTY—ELEVATION, 3666						
October	1.09	1.09	0.28	0.28	0.04	0.04
November	.43	1.52	1.83	2.11	.04	.08
December	.59	2.11	.47	2.58	.70	.78
January	.39	2.50	.54	3.12	.21	.91
February	.48	2.98	.72	3.84	.30	1.21
March	.82	3.80	1.35	5.19	1.56	2.77
April	2.12	5.92	2.01	7.20	.73	3.50
May	2.82	8.74	3.04	10.24	3.88	7.38
June	2.51	11.25	5.93	16.17	2.16	9.54
July	1.98	13.23	1.04	17.21	1.10	10.64
August	1.71	14.94	2.78	19.99	.37	11.01
September	1.36	16.30	1.67	21.61	.72	11.73
*48-year record.						
*OSHKOSH STATION, GARDEN COUNTY—ELEVATION, 3393						
October	1.20	1.20	0.58	0.58	0.12	0.12
November	.62	1.82	1.80	2.38	.22	.34
December	.56	2.38	.10	2.48	.41	.75
January	.34	2.72	.44	2.92	.03	.78
February	.60	3.32	.44	3.36	.15	.93
March	.97	4.29	.51	3.87	1.63	2.56
April	2.22	6.51	2.12	5.99	1.01	3.56
May	2.79	9.30	2.13	8.11	4.19	5.75
June	2.67	11.97	3.60	11.71	2.06	7.81
July	2.79	14.76	2.55	14.26	1.91	9.72
August	2.35	17.11	4.32	18.58	1.99	11.71
September	1.46	18.57	2.43	21.01	1.37	13.08
*32-year record.						
*NORTH PLATTE STATION, LINCOLN COUNTY—ELEVATION, 2805						
October	1.07	1.07	0.30	0.30	0.03	0.03
November	.47	1.54	1.08	1.38	.10	.13
December	.53	2.07	.24	1.62	.83	.96
January	.39	2.46	.41	2.03	.07	1.03
February	.55	2.99	.29	2.31	.07	1.10
March	.86	3.85	.29	2.60	2.29	3.39
April	2.06	5.91	2.01	4.61	.63	4.02
May	2.78	8.69	2.43	7.04	3.63	7.65
June	3.22	11.91	4.10	11.14	2.34	9.99
July	2.74	14.65	2.92	14.06	1.11	11.10
August	2.39	17.04	3.90	17.96	1.13	12.23
September	1.35	18.39	3.40	21.36	2.21	14.44
*70-year record.						

PRECIPITATION AT VARIOUS POINTS—Continued

Month	Normal		1945		1946	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
*LEXINGTON STATION, DAWSON COUNTY—ELEVATION, 2385						
October	1.74	1.74	0.41	0.41	0.24	0.24
November	.78	1.74	1.48	1.89	T	.24
December	.69	3.21	.05	1.94	.58	.82
January	.40	3.61	.42	2.36	.08	.90
February	.76	4.37	.22	2.58	.00	.90
March	1.05	5.42	.19	2.77	1.92	2.82
April	2.40	7.82	1.72	4.49	.00	2.82
May	3.14	10.96	4.48	8.97	3.05	5.87
June	3.74	14.70	5.56	14.53	3.58	9.45
July	3.26	17.96	1.49	16.02	4.28	13.73
August	2.92	20.88	2.54	18.56	2.50	16.23
September	2.03	22.91	3.07	21.63	4.79	21.02

*55-year record.

***GRAND ISLAND STATION, HALL COUNTY—ELEVATION, 1860**

October	2.12	2.12	0.57	0.57	T	T
November	1.04	3.16	1.05	1.62	.06	.06
December	.75	3.91	.05	1.67	.97	1.03
January	.55	4.46	.32	1.99	.31	1.34
February	.80	5.26	.47	2.46	.11	1.45
March	1.32	6.58	.85	3.31	1.66	3.11
April	2.45	9.03	4.01	7.32	.35	3.46
May	3.95	12.98	4.51	11.83	5.65	9.11
June	4.05	17.03	4.71	16.54	2.60	11.71
July	3.55	20.58	3.30	19.84	1.73	13.44
August	3.52	24.10	2.67	22.51	.76	14.20
September	2.96	27.06	5.02	27.53	4.83	19.03

*53-year record.

***COLUMBUS STATION, PLATTE COUNTY—ELEVATION, 1442**

October	1.84	1.84	0.87	0.87	0.05	0.05
November	1.17	3.01	1.22	2.09	.04	.09
December	.71	3.72	.33	2.42	1.77	1.86
January	.51	4.23	.48	2.90	.17	2.03
February	.91	5.14	.91	3.81	.03	2.06
March	1.21	6.35	.87	4.68	1.97	4.03
April	1.32	7.67	3.17	7.85	.78	4.81
May	4.12	11.79	7.33	15.18	4.07	8.88
June	4.40	16.19	4.59	19.77	7.52	16.40
July	3.54	19.73	8.20	27.97	.87	17.27
August	3.65	23.38	1.65	29.62	3.54	20.81
September	3.21	26.57	3.83	33.50	3.16	23.97

*51-year record.

***ORD STATION, VALLEY COUNTY—ELEVATION, 2062**

October	1.60	1.60	1.36	1.36	T	T
November	.87	2.47	1.13	2.49	.19	.19
December	.69	3.16	.27	2.76	.72	.91
January	.44	3.60	.69	3.45	.10	1.01
February	.69	4.27	.69	4.14	.27	1.28
March	1.90	5.27	.85	4.99	2.97	4.25
April	2.67	7.94	2.88	7.87	.85	5.10
May	3.57	11.51	5.23	13.10	3.94	9.04
June	4.04	15.55	4.84	17.94	2.66	11.70
July	3.40	18.95	2.54	20.48	.72	12.42
August	3.15	22.10	1.61	22.09	1.90	14.32
September	2.40	24.50	1.93	24.72	5.50	19.82

*54-year record.

PRECIPITATION AT VARIOUS POINTS—Concluded

Month	Normal		1945		1946	
	Monthly	Accumulative	Monthly	Accumulative	Monthly	Accumulative
*GENOA STATION, NANCE COUNTY—ELEVATION, 1584						
October	1.80	1.80	0.91	0.91	0.00	0.00
November	1.00	2.80	.89	1.80	.73	.73
December	.86	3.66	.30	2.10	.90	1.63
January	.52	4.18	.51	2.61	.04	1.67
February	.74	4.92	.71	3.32	.15	1.82
March	1.13	6.05	1.62	4.94	2.16	3.98
April	2.43	8.48	3.66	8.60	.58	4.56
May	4.03	12.51	5.46	14.06	6.09	10.65
June	4.43	16.94	3.32	17.38	5.16	15.81
July	3.58	20.52	4.97	22.35	1.30	17.11
August	3.46	23.98	1.52	23.87	2.80	19.91
September	3.24	27.22	3.60	27.47	4.01	23.92
*69-year record.						
*HOLDREGE STATION, PHELPS COUNTY—ELEVATION, 2335						
October	1.66	1.66	1.43	1.43	0.21	0.21
November	.90	2.56	1.67	3.10	.02	.23
December	.66	3.22	.26	3.36	.80	1.03
January	.41	3.63	.58	3.94	.43	1.46
February	.78	4.41	.43	4.37	.06	1.52
March	1.05	5.46	.50	4.87	2.55	4.07
April	2.62	8.08	3.33	8.20	.09	6.16
May	3.78	11.86	4.21	12.41	4.26	10.42
June	3.81	15.67	5.15	17.56	3.64	14.06
July	3.25	18.92	1.66	19.22	7.06	21.12
August	2.97	21.89	2.30	21.52	3.09	24.21
September	2.12	24.01	3.43	24.95	8.18	32.39
*55-year record.						
*FORT ROBINSON STATION, DAWES COUNTY—ELEVATION, 3807						
October	1.39	1.39	0.30	0.30	T	T
November	.47	1.86	1.63	1.93	.22	.22
December	.68	2.54	.71	2.64	.85	1.07
January	.52	3.06	.25	2.89	.34	1.41
February	.65	3.71	1.38	4.27	.48	1.89
March	.93	4.64	1.49	5.76	1.55	3.44
April	1.95	6.59	.39	6.15	.89	4.33
May	2.79	9.38	1.99	8.14	4.74	9.07
June	2.48	11.86	4.90	13.04	4.72	13.79
July	2.24	14.10	2.81	15.85	.38	14.17
August	1.71	15.81	2.15	18.00	2.05	16.22
September	1.42	17.23	2.38	20.38	3.19	19.41
*61-year record.						
*CULBERTSON STATION, HITCHCOCK COUNTY—ELEVATION, 2565						
October	1.30	1.30	0.52	0.52	0.29	0.29
November	.71	2.01	1.02	1.54	.20	.49
December	.68	2.69	.33	1.87	.33	.82
January	.34	3.03	.54	2.41	.12	.94
February	.58	3.61	.26	2.67	.18	1.12
March	1.04	4.65	.31	2.98	1.74	2.86
April	2.00	6.65	2.57	5.55	.15	3.01
May	2.98	9.63	3.40	8.95	4.91	7.92
June	3.28	12.91	3.19	12.14	4.40	12.32
July	2.95	15.86	2.58	14.72	3.81	16.13
August	2.56	18.42	3.80	18.52	2.27	18.40
September	1.60	20.02	2.34	20.86	2.23	20.63
*57-year record.						

BUREAU OF IRRIGATION

473

ARIKAREE RIVER AT HAIGLER—Sec. 28-1-41 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13.0	11.0	3.0	2	13.0	16.0	8.5	25	16.0	19.0	0.1	1.0
2	14.0	9.6	4.0	3	21.0	14.0	6.0	25	16.0	14.0	.1	1.0
3	14.0	9.2	5.0	4	36.0	10.0	8.0	25	16.0	8.9	.1	1.0
4	14.0	9.2	5.2	6	39.0	10.0	9.0	25	46.0	3.7	.1	1.0
5	12.0	8.9	6.5	10	56.0	5.0	20.0	10	50.0	2.2	.1	1.0
6	10.0	9.2	5.8	19	92.0	2.0	16.0	10	53.0	5.0	.1	1.0
7	8.9	8.9	8.1	20	56.0	5.0	11.0	10	42.0	5.0	4.0	1.0
8	8.9	9.2	8.0	21	53.0	10.0	8.5	10	32.0	5.0	4.0	1.0
9	8.1	8.9	8.0	22	51.0	12.0	7.4	13	50.0	5.0	4.0	2.0
10	10.0	8.1	3.0	23	36.0	11.0	5.5	17	40.0	10.0	2.0	2.0
11	13.0	6.7	4.0	24	30.0	11.0	4.0	15	38.0	10.0	2.0	2.0
12	13.0	6.7	4.0	27	24.0	10.0	4.0	16	56.0	13.0	2.0	2.0
13	10.0	7.1	6.0	35	23.0	9.6	7.8	16	48.0	50.0	2.0	2.0
14	8.1	7.1	10.0	30	24.0	8.9	11.0	21	14.0	14.0	2.0	2.0
15	6.7	7.1	10.0	20	22.0	9.2	20.0	65	12.0	13.0	2.0	2.0
16	5.2	8.9	10.0	15	10.0	9.2	30.0	53	15.0	11.0	10.0	8.0
17	6.4	9.6	10.0	15	10.0	7.1	74.0	38	16.0	8.5	5.0	8.0
18	7.1	9.6	10.0	13	8.0	5.8	4.2	28	11.0	7.4	5.0	8.0
19	7.8	10.0	10.0	13	8.0	5.2	27.0	23	10.0	7.8	5.0	8.0
20	8.5	10.0	7.0	16	8.0	4.9	23.0	19	9.6	4.0	5.0	8.0
21	9.6	10.0	7.0	8	8.0	5.8	21.0	30	8.1	4.0	5.0	8.0
22	10.0	8.1	5.0	9	10.0	7.1	19.0	38	6.1	4.0	38.0	8.0
23	12.0	7.4	4.0	7	12.0	7.1	23.0	26	5.5	4.0	10.0	8.0
24	12.0	6.1	4.0	8	12.0	7.4	42.0	19	70.0	2.0	10.0	8.0
25	12.0	6.1	3.0	9	14.0	7.4	81.0	16	50.0	2.0	10.0	8.0
26	12.0	5.5	3.0	17	14.0	8.1	70.0	15	40.0	2.0	10.0	7.8
27	13.0	5.2	3.0	11	14.0	8.9	70.0	13	11.0	2.0	10.0	72.0
28	12.0	4.6	3.0	14	19.0	8.5	70.0	10	10.0	.2	3.0	19.0
29	12.0	3.0	4.0	10	---	8.1	70.0	10	8.9	.2	3.0	15.0
30	11.0	2.0	4.0	7	---	8.1	70.0	18	12.0	.2	3.0	16.0
31	10.0	---	4.0	9	---	8.5	---	21	---	.2	3.0	---
Mean	10.5	7.8	5.8	14	25.8	8.4	29.3	22	27.1	7.6	5.2	7.2
Max.	14.0	11.0	---	---	92.0	16.0	81.0	65	70.0	50.0	38.0	72.0
Min.	5.2	2.0	3.0	2	8.0	2.0	4.0	---	5.5	---	.1	---
A. F.	643	462	358	887	1430	517	1740	1350	1610	471	317	460

Total acre-feet 10,240.

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD—Sec. 4-20-52 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	65	43	36	35	31	29	28	24	32	40	85	42
2	66	42	35	35	31	29	28	24	31	40	182	44
3	58	42	35	38	32	30	28	24	29	37	81	44
4	56	42	35	36	32	30	28	24	24	36	69	41
5	65	42	35	36	32	29	28	24	32	35	59	42
6	54	42	36	36	33	30	28	24	66	32	81	44
7	51	86	36	36	33	30	28	24	74	35	67	49
8	50	53	35	36	35	30	28	24	81	30	56	49
9	49	45	35	36	34	30	28	24	84	26	47	48
10	48	44	35	36	34	30	28	23	61	23	45	47
11	47	44	35	36	34	29	28	23	48	25	54	53
12	47	43	35	36	34	29	28	28	45	27	46	54
13	47	42	35	36	34	29	30	52	45	27	48	51
14	45	43	35	36	34	29	30	54	46	28	50	56
15	48	42	35	34	35	30	31	52	115	32	45	56
16	48	41	35	34	32	29	36	37	77	33	42	57
17	48	41	35	34	32	28	33	30	52	41	40	65
18	46	41	35	34	32	28	30	28	41	45	41	71
19	46	42	35	35	31	27	30	30	37	47	40	72
20	46	40	35	34	32	27	28	31	34	47	43	76
21	45	42	35	34	30	27	28	30	35	52	45	75
22	44	42	35	33	30	26	28	28	41	49	46	73
23	44	42	35	34	30	25	28	26	43	47	44	73
24	44	42	34	34	30	26	27	15	52	39	43	74
25	44	41	35	34	28	39	27	12	42	53	47	72
26	44	39	35	33	28	31	27	13	30	42	52	71
27	44	38	35	33	29	28	27	17	34	56	50	74
28	44	38	35	32	29	28	26	23	38	60	45	84
29	44	37	35	32	---	28	26	41	35	61	41	86
30	44	36	35	31	---	28	25	38	38	62	42	113
31	44	---	35	31	---	28	---	38	---	59	42	---
Mean	49	43	35	34	32	29	28	28	48	41	55	62
Max.	66	86	36	36	35	39	36	54	115	62	182	113
Min.	44	36	34	31	28	25	25	12	24	23	40	41
A. F.	3000	2570	2160	2120	1770	1780	1690	1760	2860	2510	3410	3650

Total acre-feet 29310.

REPORT OF THE STATE ENGINEER

BEAVER CREEK AT GENOA—Sec. 14-17-4 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	64	68	50	50	75	97	77	92	436	220	77	48
2	65	68	60	55	70	111	75	93	884	533	74	48
3	66	68	65	55	80	114	75	92	714	215	71	45
4	67	69	70	50	85	95	78	87	336	158	71	44
5	73	69	70	50	75	85	78	35	294	143	68	44
6	75	70	75	50	90	60	81	85	260	137	68	44
7	74	72	75	60	85	70	84	33	358	115	66	43
8	81	76	80	65	90	150	101	81	520	100	64	40
9	75	77	85	70	110	455	101	84	752	93	63	40
10	69	77	85	75	130	541	97	86	529	90	65	40
11	65	77	75	85	180	524	86	84	466	88	64	44
12	66	75	80	85	173	230	94	95	298	87	74	44
13	64	75	75	90	115	161	85	97	308	86	67	47
14	65	76	75	95	102	151	85	117	356	117	63	48
15	65	76	80	90	103	143	85	99	517	218	60	50
16	65	75	75	80	108	136	110	94	619	208	63	50
17	65	73	80	80	100	124	129	102	392	678	83	53
18	66	74	50	80	70	119	143	99	204	589	69	56
19	66	74	70	80	55	107	211	93	170	193	64	52
20	66	74	75	80	112	103	212	92	151	253	62	54
21	67	74	65	80	92	100	207	121	139	146	60	57
22	67	74	60	80	123	100	221	103	125	120	60	55
23	67	73	70	80	92	99	194	94	119	106	61	54
24	67	74	65	80	95	99	139	106	114	99	63	52
25	67	80	70	100	90	96	117	102	106	96	65	52
26	67	84	70	120	90	111	101	101	101	92	62	53
27	67	80	75	110	80	106	101	282	107	90	60	56
28	66	77	75	90	70	106	95	133	107	86	58	75
29	67	75	70	80	—	103	94	326	100	86	58	63
30	67	70	70	55	—	92	92	298	128	85	53	65
31	68	—	60	60	—	77	—	485	—	83	51	—
Mean	68	74	71	76	98	150	115	129	324	175	65	50
Max.	81	84	85	120	180	541	221	485	884	678	83	75
Min.	64	68	50	50	55	60	75	81	100	83	51	40
A. F.	4160	4410	4360	4680	5440	9250	6840	7920	19260	10730	3980	3010

Total acre-feet 84040.

BEAVER CREEK AT LORETTO—Sec. 26-21-7 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	45	44	40	40	45	59	58	62	300	200	36	30
2	45	44	40	40	45	58	56	60	300	110	36	30
3	45	44	40	40	45	56	54	58	300	80	36	31
4	45	44	40	40	50	50	55	65	300	70	37	31
5	45	44	40	40	50	50	62	52	140	65	37	30
6	50	44	45	45	55	50	71	50	509	50	35	30
7	50	44	45	45	60	55	78	50	720	49	34	29
8	50	45	45	45	66	72	73	48	427	47	34	29
9	50	45	45	45	69	164	65	48	376	46	35	30
10	50	45	45	45	66	109	65	75	328	46	37	30
11	50	44	40	50	65	107	62	69	303	45	36	30
12	50	44	40	50	65	105	58	67	329	45	34	32
13	45	44	40	54	65	101	56	62	254	64	34	33
14	45	44	40	56	64	96	60	66	156	91	34	33
15	44	44	40	57	64	85	66	70	159	60	35	35
16	44	44	40	57	60	85	129	68	211	86	37	34
17	44	44	40	55	55	84	150	64	144	75	39	34
18	44	44	40	55	50	83	180	58	111	64	38	40
19	44	44	40	56	45	78	180	54	94	52	35	41
20	44	44	40	58	55	76	180	53	80	45	34	38
21	45	44	40	66	60	68	105	54	67	43	35	38
22	44	44	40	72	64	65	83	68	61	40	40	37
23	44	44	40	78	64	66	81	65	53	39	40	36
24	44	44	40	84	63	64	71	62	57	38	38	34
25	44	44	40	72	60	66	69	56	63	39	37	34
26	44	44	40	64	55	66	67	52	64	39	35	36
27	44	40	40	55	55	64	63	450	58	40	34	39
28	44	40	40	50	55	64	62	450	70	40	33	44
29	44	40	40	45	—	62	67	450	60	40	33	48
30	44	40	40	40	—	61	62	450	525	39	32	44
31	44	—	40	45	—	60	—	450	—	37	31	—
Mean	46	44	41	53	58	75	83	122	221	59	36	35
Max.	—	45	—	84	69	164	180	—	—	200	40	48
Min.	—	—	—	—	45	50	54	48	57	37	31	29
A. F.	2800	2500	2510	3260	3200	4620	4930	7530	13140	3620	2180	2060

Total acre-feet 52440.

BUREAU OF IRRIGATION

475

BEAVER CREEK NEAR BEAVER CITY—Sec. 23-2-23 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	8	9	12	9	35	12	20	16	76	15	15.0
2	12	9	10	12	9	35	12	22	33	88	45	16.0
3	12	9	10	12	9	35	12	19	82	174	25	14.0
4	14	10	10	12	9	35	11	19	109	195	20	15.0
5	15	10	12	12	9	35	12	22	109	142	70	13.0
6	14	10	10	12	9	25	11	23	184	57	11	10.0
7	14	11	10	12	9	25	11	27	143	49	11	6.7
8	14	10	11	12	9	25	11	31	76	45	22	3.9
9	14	11	10	12	9	25	11	31	55	41	56	3.9
10	13	11	10	12	9	25	11	28	54	42	51	3.2
11	12	11	10	12	9	15	11	27	40	74	34	1.4
12	12	10	10	12	9	16	11	23	37	216	20	1.3
13	11	11	10	12	9	14	11	25	35	116	27	1.2
14	12	11	10	12	9	16	10	23	34	84	59	1.2
15	11	12	14	12	9	15	19	21	37	167	52	1.1
16	12	11	17	12	9	14	30	22	34	188	46	1.0
17	11	12	17	12	9	16	19	23	29	72	35	1.0
18	14	11	14	12	9	15	17	22	29	80	25	.9
19	14	10	14	8	9	16	17	19	27	69	20	.9
20	12	10	10	8	9	20	16	24	25	50	15	.9
21	12	10	9	8	9	15	17	23	24	36	12	.9
22	11	9	9	8	9	16	51	20	23	34	9	.9
23	11	9	8	8	9	17	140	19	22	30	8	.8
24	10	10	8	8	9	18	52	19	22	25	8	.8
25	8	11	9	7	9	18	23	20	69	24	7	.9
26	8	12	10	7	25	12	22	17	122	24	4	.9
27	8	10	12	7	25	14	20	18	174	23	4	1.0
28	7	10	12	7	25	16	21	17	110	22	8	1.1
29	7	9	12	7	---	17	23	17	44	20	18	1.2
30	7	8	12	7	---	18	21	16	28	19	14	1.1
31	7	---	12	7	---	14	---	16	---	18	9	---
Mean	12	10	11	10	11	20	22	22	61	74	24	4.0
Max.	16	12	17	---	---	---	140	31	184	216	70	16.0
Min.	7	8	8	---	---	12	10	16	16	18	4	.8
A. F.	707	608	676	621	595	1250	1320	1330	3620	4560	1510	240

Total acre-feet 17040.

BIRDWOOD CREEK NEAR HERSHEY—Sec. 2-14-33 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	125	140	150	160	150	159	159	193	156	153	110	129
2	125	137	140	160	150	166	137	176	146	146	120	146
3	125	134	140	160	143	153	140	153	143	143	120	143
4	125	134	140	170	143	169	143	159	150	134	115	134
5	125	134	153	170	134	140	143	179	239	126	118	123
6	125	150	150	180	150	150	153	159	193	123	137	110
7	125	176	156	186	150	146	156	134	162	134	140	126
8	125	153	143	186	150	169	159	129	166	162	146	123
9	125	132	140	182	162	169	159	129	261	143	143	118
10	125	132	143	186	153	153	150	134	172	162	140	108
11	125	140	143	193	137	159	159	146	159	179	132	105
12	125	140	143	190	137	150	153	146	150	153	134	120
13	125	140	146	190	143	166	182	146	140	146	156	134
14	125	146	153	200	143	143	137	143	115	132	132	132
15	125	140	156	182	143	143	134	129	134	140	159	134
16	125	140	143	179	137	153	176	143	150	156	169	126
17	123	140	143	186	123	143	156	140	140	150	159	129
18	118	146	146	182	120	150	140	132	146	134	146	132
19	110	150	143	186	130	150	146	159	150	129	150	169
20	110	150	146	179	140	153	129	153	162	123	140	143
21	112	150	140	169	150	156	137	146	150	123	285	150
22	118	153	140	166	150	162	140	134	140	182	159	156
23	118	153	130	159	162	169	132	150	134	153	156	143
24	123	179	130	169	162	176	132	156	134	140	153	137
25	134	235	130	166	153	159	146	126	129	150	153	140
26	134	186	130	162	146	151	150	123	126	134	153	200
27	137	182	130	153	143	143	153	196	146	123	150	186
28	140	169	170	156	159	132	162	169	190	115	137	156
29	137	166	200	162	---	146	146	204	159	115	134	143
30	143	166	200	156	---	137	169	159	162	112	132	182
31	150	---	190	156	---	153	---	159	---	110	129	---
Mean	126	153	149	174	145	154	149	152	157	140	145	139
Max.	150	235	200	200	162	176	182	204	261	182	285	200
Min.	110	132	130	153	120	132	129	123	115	110	110	105
A. F.	7750	9110	9140	10670	8060	9460	8880	9330	9330	5580	8940	8220

Total acre-feet 107500.

REPORT OF THE STATE ENGINEER

BLUE CREEK NEAR LEWELLEN—Sec. 30-16-42 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	61	85	82	93	96	101	101	39	42	10	25
2	9	51	90	80	89	97	102	95	40	32	105	21
3	8	46	102	85	93	92	108	91	44	18	86	20
4	9	48	103	93	110	85	107	94	51	7	85	15
5	12	56	100	91	101	85	109	93	71	4	94	8
6	16	66	102	92	107	90	110	96	98	1	88	8
7	23	64	105	94	101	100	108	91	96	.6	87	7
8	24	60	103	98	100	113	107	84	81	.6	92	6
9	23	60	98	94	104	110	110	85	108	.7	86	8
10	37	64	93	98	102	107	106	82	95	.6	80	12
11	56	63	90	97	98	107	105	63	88	.6	72	12
12	51	57	98	97	103	103	106	61	86	.6	67	15
13	52	51	101	97	102	101	118	60	81	.5	60	20
14	29	63	102	98	102	97	118	71	74	.5	44	28
15	37	83	101	98	102	96	112	84	86	.5	34	31
16	28	85	97	94	92	95	129	76	94	2	28	56
17	27	89	100	92	83	94	145	66	84	3	27	46
18	39	92	97	93	90	94	108	64	81	4	17	44
19	44	94	98	93	93	95	101	52	81	3	11	38
20	45	98	97	92	102	94	101	52	81	12	8	34
21	46	93	95	88	87	96	98	52	80	13	53	34
22	51	93	97	85	84	97	98	53	83	8	50	34
23	48	96	98	93	89	96	96	45	80	4	28	33
24	47	97	97	93	91	97	98	34	78	3	22	33
25	47	120	95	93	93	105	102	31	80	4	21	34
26	49	87	95	95	83	108	102	33	70	7	29	70
27	49	85	95	99	91	100	104	47	59	8	36	82
28	48	85	100	90	94	96	110	36	56	6	47	104
29	53	85	110	87	---	96	103	34	53	5	48	103
30	64	85	106	77	---	100	98	39	43	4	47	92
31	62	---	89	89	---	100	---	41	---	3	40	---
Mean	37	76	98	92	96	98	107	65	75	6	52	36
Max	64	120	110	98	110	113	145	101	108	42	105	104
Min.	8	46	85	77	83	85	96	31	39	.5	8	6
A. F.	2260	4510	6030	5640	5310	6030	6390	3980	4440	391	3180	2130

Total acre-feet 50290.

BLUE RIVER, BIG, NEAR CRETE—Sec. 3-7-4 E.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	---	---	768	1010	---	---
2	---	---	---	---	---	---	---	---	970	705	---	---
3	---	---	---	---	---	---	---	---	1130	---	---	---
4	---	---	---	---	---	---	---	---	1110	---	1470	---
5	---	---	---	---	---	---	---	---	1160	820	1180	---
6	---	---	---	---	---	---	---	---	1330	2330	---	---
7	---	---	---	---	---	---	---	---	1750	2440	---	---
8	---	---	---	---	---	---	---	---	1490	1830	---	---
9	---	---	---	---	---	---	---	---	1360	1020	---	---
10	---	---	---	---	---	---	---	---	1650	---	---	---
11	---	---	---	---	---	---	---	---	1960	---	---	---
12	---	---	---	---	---	---	---	---	2280	---	---	---
13	---	---	---	---	---	---	---	---	1980	---	---	---
14	---	---	---	---	---	---	---	850	1480	---	---	---
15	---	---	---	---	---	---	---	2340	1260	---	---	---
16	---	---	---	---	---	---	---	3450	3160	---	---	---
17	---	---	---	---	---	---	---	2040	7290	655	---	---
18	---	---	---	---	---	---	850	1220	5910	1700	---	---
19	---	---	---	---	---	---	735	768	4000	2740	---	---
20	---	---	---	---	---	---	---	---	3340	2520	---	---
21	---	---	---	---	---	---	---	775	3010	2200	---	---
22	---	---	---	---	---	---	---	2320	2040	1590	---	---
23	---	---	---	---	---	---	670	3540	1210	865	---	---
24	---	---	---	---	---	---	1300	2880	2500	710	---	---
25	---	---	---	---	---	---	1670	2940	4560	---	---	---
26	---	---	---	---	---	---	1110	3100	3300	---	---	---
27	---	---	---	---	---	---	844	1840	2160	---	---	---
28	---	---	---	---	---	---	820	1190	1800	715	---	---
29	---	---	---	---	---	---	755	1240	1370	976	---	670
30	---	---	---	---	---	---	692	1080	1060	1160	---	949
31	---	---	---	---	---	---	---	752	---	740	---	---

BUREAU OF IRRIGATION

BLUE RIVER, BIG, AT BARNSTON—Sec. 13-1-7 E.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	210	242	191	212	312	945	237	1180	1470	2740	3080	125
2	418	261	187	212	334	2590	182	1010	1250	1680	666	152
3	2240	192	195	148	325	2730	334	813	1330	1160	889	211
4	1120	189	292	163	228	1740	240	658	1630	898	557	167
5	1380	180	225	206	229	1980	347	514	2150	759	1010	280
6	818	218	343	165	246	1340	476	504	2740	787	1650	217
7	448	227	301	212	228	751	695	1070	2700	1880	848	151
8	279	168	349	202	228	846	561	652	2900	2700	675	156
9	325	217	321	140	211	772	444	548	6460	2420	530	114
10	271	202	295	147	285	727	492	653	4580	1620	620	157
11	284	181	269	206	300	698	597	426	2600	930	840	183
12	258	189	255	222	414	597	506	444	2800	707	587	160
13	204	296	169	210	255	572	1450	592	2600	543	682	107
14	181	201	242	260	380	783	960	9350	2440	596	464	227
15	164	149	203	231	342	5240	690	8600	2440	513	493	107
16	190	174	292	228	345	1850	9380	3750	6960	438	421	40
17	193	180	224	240	330	833	2740	3680	4250	6190	407	123
18	160	213	217	343	161	567	1290	3990	4720	4650	388	110
19	170	235	159	196	221	527	1380	2900	6740	2670	280	171
20	348	357	208	213	247	522	1420	1900	7160	2540	340	169
21	226	242	171	229	266	634	1250	17900	5570	2720	406	199
22	173	303	223	248	207	570	909	21700	4170	2480	300	169
23	256	255	172	281	205	459	1720	6700	2970	2090	326	162
24	170	251	227	241	405	403	1410	4120	1970	1340	257	212
25	162	329	152	336	264	291	1700	5840	2070	1000	259	170
26	241	1220	233	427	364	325	2400	5000	3460	918	282	165
27	196	776	148	339	405	304	2540	6070	4200	1070	219	177
28	186	395	152	483	918	170	2010	3720	3020	913	228	819
29	191	373	220	510	-----	215	1480	1970	2140	782	209	261
30	200	199	217	458	-----	282	1250	1800	2260	1060	210	355
31	188	-----	167	250	-----	348	-----	1730	-----	1250	227	-----
Mean	382	287	226	257	309	987	1369	3364	3392	1679	527	177
Max.	2240	1220	349	510	918	5240	9380	21700	7160	6190	1650	355
Min.	160	149	148	140	161	170	182	426	1250	438	209	40
A. F.	23500	17090	13920	15780	17170	60720	81480	237600	201800	103200	32410	10540

Total acre-feet 815200.

BLUE RIVER, LITTLE, NEAR ENDICOTT—Sec. 6-1-3 E.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	275	159	140	160	110	176	159	387	810	1470	300	132
2	281	155	150	160	120	187	159	396	849	598	273	133
3	398	155	160	140	130	210	169	459	681	462	261	132
4	469	155	189	160	150	206	182	352	589	405	245	121
5	365	155	195	150	162	200	176	302	756	376	233	122
6	324	162	189	150	173	160	178	279	1650	363	231	126
7	298	162	180	160	166	170	178	265	2270	343	214	120
8	261	166	173	160	166	171	180	249	1760	341	202	120
9	241	164	167	160	159	176	206	251	2300	1090	198	121
10	229	164	167	160	154	176	210	253	2340	1050	200	117
11	214	167	174	170	146	171	193	233	904	606	191	114
12	208	167	164	170	144	169	650	225	669	550	191	113
13	200	167	167	174	146	164	650	520	620	447	208	115
14	195	166	173	183	146	167	650	2820	545	405	1040	110
15	195	162	160	189	149	187	650	8130	655	374	643	110
16	187	164	157	183	149	176	650	5160	3230	335	310	111
17	182	164	155	173	147	173	650	1100	3440	2270	275	101
18	183	164	147	167	149	169	650	714	3030	2910	361	107
19	180	176	150	166	147	166	650	582	3280	4040	249	101
20	180	173	150	169	149	162	372	498	3280	4240	212	94
21	176	169	150	167	157	159	315	1910	2720	2380	195	103
22	173	166	130	167	159	159	283	6630	1710	855	183	103
23	171	167	130	162	157	160	1760	8120	825	907	171	101
24	171	169	120	166	159	160	6390	2670	648	496	160	106
25	167	195	140	167	176	157	1720	1340	571	440	162	117
26	164	180	130	173	162	159	1210	1860	609	509	157	115
27	162	170	120	169	171	160	940	12300	855	642	149	132
28	160	150	160	167	167	176	631	10000	951	705	149	162
29	160	150	160	167	-----	166	481	4180	576	530	147	159
30	159	140	180	140	-----	160	418	1800	804	423	139	169
31	159	-----	180	120	-----	160	-----	1000	-----	343	134	-----
Mean	222	164	158	164	152	171	724	2419	1464	997	251	120
Max.	469	195	195	189	176	210	6390	12300	3440	4240	1040	169
Min.	159	140	120	120	110	157	159	225	545	335	134	94
A. F.	13660	9760	9730	10060	8470	10540	43060	148700	87180	61300	15440	7110

Total acre-feet 425000.

REPORT OF THE STATE ENGINEER

BUFFALO CREEK NEAR HAIGLER—Sec. 20-1-40 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	9	9	10	8	10	8	11	8	4	2	5
2	7	9	9	10	8	10	8	11	9	6	2	6
3	9	9	9	12	8	11	8	11	10	6	2	7
4	9	9	9	11	10	10	8	11	11	4	3	6
5	9	10	9	10	11	10	8	11	12	4	4	6
6	8	8	9	10	11	10	8	11	11	4	4	6
7	7	11	9	11	10	10	8	11	9	7	3	6
8	8	13	9	12	10	10	8	10	8	8	3	6
9	8	13	9	12	9	10	8	10	9	7	3	6
10	7	12	9	11	9	10	8	10	8	6	3	6
11	7	12	7	11	9	10	8	9	9	6	3	6
12	8	12	8	11	9	10	8	10	11	6	3	6
13	9	12	10	12	9	10	8	9	10	6	3	6
14	9	11	10	12	9	10	8	8	9	6	4	6
15	10	11	10	12	9	10	8	8	10	7	10	6
16	10	11	10	12	9	9	10	10	10	9	8	6
17	10	11	10	12	10	10	10	9	9	8	8	7
18	9	11	10	11	9	10	10	8	9	9	8	7
19	10	11	10	12	11	10	10	7	9	9	7	7
20	10	10	10	12	10	10	10	7	9	7	6	7
21	10	10	11	12	10	10	10	7	9	5	6	7
22	10	9	11	12	10	10	10	7	8	5	5	7
23	10	9	10	12	10	10	10	7	7	4	6	7
24	10	9	10	11	10	10	10	7	6	3	5	8
25	10	9	10	11	10	10	11	7	6	3	5	8
26	9	9	10	11	10	10	11	7	8	3	5	8
27	9	9	10	11	10	10	11	7	6	3	5	23
28	9	10	10	11	10	10	11	7	6	2	5	10
29	10	10	10	11	—	9	11	8	4	2	5	9
30	9	9	10	11	—	9	11	8	4	2	5	13
31	9	—	10	11	—	9	—	9	—	2	5	—
Mean	9	10	10	11	10	10	9	9	8	5	5	7
Max.	10	13	—	12	11	11	—	—	12	9	10	23
Min.	6	8	—	10	8	9	—	—	4	2	2	5
A. F.	542	614	591	694	532	603	563	541	501	321	289	445

Total acre-feet 6230.

BUFFALO CREEK—Sec. 33-9-18 W.
Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	3	202	51	49	35
2	3	300	38	38	36
3	3	292	36	26	65
4	2	99	36	28	63
5	6	87	29	32	63
6	12	131	29	13	64
7	10	205	61	8	63
8	10	237	37	9	16
9	10	147	76	9	16
10	10	400	94	9	16
11	10	400	56	9	16
12	10	400	71	12	56
13	10	306	62	16	56
14	10	72	60	14	56
15	10	62	59	30	50
16	11	130	52	30	48
17	11	106	62	30	64
18	11	91	54	54	65
19	11	55	50	50	42
20	11	59	58	65	40
21	11	50	63	80	40
22	11	44	66	101	41
23	11	50	54	99	56
24	18	50	54	96	55
25	25	50	115	114	55
26	32	82	85	86	38
27	39	112	86	83	40
28	46	47	58	78	42
29	53	46	44	47	43
30	60	53	30	36	44
31	67	—	30	43	—
Mean	18	146	56	45	46
Max.	67	400	115	114	65
Min.	2	44	30	8	16
A. F.	1080	8660	3460	2760	2750

Computed from one daily observation.

BUREAU OF IRRIGATION

CALAMUS RIVER NEAR BURWELL—Sec. 8-21-16 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	294	252	240	200	250	300	260	285	240	233	211	213
2	308	256	230	180	260	280	269	269	233	226	214	214
3	303	252	240	220	250	260	264	252	233	229	222	214
4	264	256	260	220	210	250	260	256	229	240	233	214
5	298	256	281	220	240	240	273	260	269	237	244	211
6	285	260	270	250	260	240	256	248	316	229	237	214
7	273	256	264	280	298	250	256	237	340	222	229	213
8	260	260	252	260	295	260	244	244	312	229	226	218
9	244	256	226	290	290	270	256	269	350	281	226	214
10	248	256	210	310	285	280	237	281	386	256	222	213
11	256	256	240	310	290	270	237	281	355	252	237	229
12	240	256	290	320	298	269	244	277	350	252	233	240
13	237	260	310	340	290	285	264	273	340	248	244	252
14	240	256	350	285	285	290	260	277	330	244	240	252
15	240	252	252	281	294	294	260	273	308	256	233	260
16	237	240	252	281	281	285	335	264	298	370	233	264
17	244	240	240	294	270	277	316	244	285	326	237	256
18	248	248	250	264	290	277	316	248	277	269	237	269
19	237	248	270	277	300	264	321	248	264	244	233	277
20	240	256	250	281	310	273	303	244	264	240	229	277
21	237	252	240	281	316	269	294	240	248	237	273	273
22	237	250	230	269	321	273	294	240	240	222	277	256
23	240	250	230	269	321	277	285	244	240	229	277	252
24	244	250	220	273	312	273	277	244	244	244	264	248
25	256	240	210	277	294	273	260	256	260	260	248	244
26	256	240	200	269	309	269	269	260	256	256	248	248
27	256	240	200	273	294	269	273	303	264	244	237	256
28	260	240	210	256	294	277	277	298	256	229	240	269
29	256	240	220	250	-----	269	298	273	240	222	237	252
30	260	240	220	250	-----	260	308	260	237	214	233	248
31	256	-----	220	240	-----	264	-----	256	-----	207	226	-----
Mean	257	250	244	267	286	271	276	261	282	247	238	242
Max.	308	260	350	340	321	300	335	303	386	370	277	277
Min.	237	240	200	180	210	240	237	237	229	207	211	211
A. F.	15780	14900	15030	16400	15870	16640	16400	16070	16790	15170	14640	14430
Total acre-feet 188100.												

CEDAR CREEK—Sec. 11-18-48 W.
Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	13	7	8	5	22
2	12	7	7	3	22
3	12	15	6	4	22
4	13	14	5	15	20
5	12	16	6	15	24
6	12	9	8	24	27
7	12	12	16	25	25
8	12	9	13	25	22
9	12	19	4	29	12
10	12	15	14	23	22
11	12	20	6	22	20
12	12	14	5	21	12
13	12	15	11	21	20
14	13	15	14	25	20
15	13	19	7	24	22
16	12	20	13	24	21
17	13	5	11	24	22
18	12	6	10	20	23
19	12	23	9	18	18
20	12	22	9	16	18
21	12	18	10	8	14
22	10	11	11	13	15
23	11	11	12	13	23
24	11	24	10	13	24
25	11	11	10	13	24
26	11	10	5	14	24
27	7	11	4	13	25
28	7	3	4	18	25
29	7	12	8	20	26
30	7	12	6	20	26
31	7	-----	5	15	-----
Mean	11	14	9	18	21
Max.	13	24	16	29	27
Min.	7	3	4	3	12
A. F.	690	800	530	1080	1270

Computed from one daily observation.

REPORT OF THE STATE ENGINEER

CEDAR RIVER NEAR FULLERTON—Sec. 33-17-6 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	146	163	180	100	110	240	182	234	466	254	142	116
2	172	165	180	80	110	150	180	224	416	201	138	114
3	170	163	190	100	150	160	180	212	445	182	144	105
4	175	165	200	110	170	110	187	177	353	218	144	108
5	201	165	180	130	170	150	187	185	431	284	144	115
6	218	172	180	130	160	150	196	175	629	185	146	115
7	209	177	240	140	200	160	201	182	388	156	138	114
8	198	193	260	140	220	300	201	180	321	146	128	123
9	185	193	220	140	240	1080	204	198	555	144	130	117
10	168	190	250	130	330	552	182	187	431	148	168	125
11	165	190	270	140	310	287	182	182	345	146	146	125
12	165	180	260	150	260	237	190	193	337	172	123	132
13	163	182	260	160	220	231	187	185	341	150	130	125
14	158	193	260	190	180	218	193	221	305	158	134	123
15	190	190	260	200	140	234	201	204	526	165	125	125
16	156	187	240	200	120	237	263	198	367	365	144	121
17	165	185	190	200	70	243	362	180	298	562	144	128
18	168	187	170	200	60	228	302	175	263	341	142	146
19	165	190	120	220	120	209	291	177	240	284	163	154
20	170	215	150	240	170	201	280	172	221	228	182	150
21	182	172	150	250	250	187	260	190	209	187	168	134
22	158	168	100	260	270	177	247	204	198	180	172	140
23	158	177	100	280	300	182	295	209	193	165	175	142
24	165	177	95	310	300	190	224	187	190	158	180	136
25	163	198	90	430	220	204	224	180	196	209	168	146
26	163	204	110	350	130	206	212	187	175	250	148	156
27	163	196	100	320	180	215	185	652	150	168	134	163
28	163	218	110	290	220	204	187	619	172	158	132	187
29	158	221	100	260	---	187	193	407	187	150	123	185
30	154	200	120	180	---	182	212	440	337	150	121	185
31	---	---	130	110	---	177	---	711	---	144	110	---
Mean	171	186	176	198	193	242	220	252	323	207	145	135
Max.	218	221	270	430	330	1080	362	711	629	562	182	187
Min.	146	163	90	80	70	110	180	172	172	144	110	105
A. F.	10530	11060	10840	12180	10730	14850	13070	15520	19230	12710	8900	8030
Total acre-feet	147600.											

CEDAR RIVER NEAR SPALDING—Sec. 5-20-10 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	103	183	218	157	110	100
2	---	---	---	---	---	---	110	114	189	146	110	100
3	---	---	---	---	---	---	112	139	101	126	110	100
4	---	---	---	---	---	---	126	98	122	152	110	110
5	---	---	---	---	---	---	134	120	130	152	110	100
6	---	---	---	---	---	---	134	122	132	130	110	100
7	---	---	---	---	---	---	132	134	203	124	110	100
8	---	---	---	---	---	---	110	110	157	120	110	100
9	---	---	---	---	---	134	118	103	162	130	110	100
10	---	---	---	---	---	122	126	148	222	192	110	100
11	---	---	---	---	---	124	116	139	228	134	110	100
12	---	---	---	---	---	124	114	128	198	122	110	100
13	---	---	---	---	---	122	122	130	167	134	110	100
14	---	---	---	---	---	128	130	150	200	116	110	100
15	---	---	---	---	---	136	130	132	152	109	110	100
16	---	---	---	---	---	136	189	112	165	364	110	100
17	---	---	---	---	---	128	209	122	130	300	110	100
18	---	---	---	---	---	124	203	112	113	189	110	100
19	---	---	---	---	---	124	203	103	126	160	110	100
20	---	---	---	---	---	112	136	118	134	122	110	100
21	---	---	---	---	---	116	146	150	167	114	110	100
22	---	---	---	---	---	122	173	134	146	112	110	100
23	---	---	---	---	---	116	165	124	143	112	110	100
24	---	---	---	---	---	124	152	141	150	118	110	100
25	---	---	---	---	---	120	107	101	157	110	110	100
26	---	---	---	---	---	136	116	109	139	109	110	100
27	---	---	---	---	---	124	116	225	148	109	110	100
28	---	---	---	---	---	122	126	284	173	114	110	100
29	---	---	---	---	---	118	126	162	183	98	110	100
30	---	---	---	---	---	116	134	141	203	110	110	100
31	---	---	---	---	---	120	---	288	---	114	110	---
Mean	---	---	---	---	---	124	137	141	164	142	110	100
Max.	---	---	---	---	---	136	209	288	228	364	---	---
Min.	---	---	---	---	---	112	103	98	101	98	---	---
A. F.	---	---	---	---	---	5650	8170	8680	9760	8730	6760	5950
Total acre-feet	53700.											

CLEVELAND DRAIN—Sec. 6-20-52 W.
Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	1	18	16	16	10
2	1	15	21	19	7
3	1	11	11	8	7
4	2	13	5	8	19
5	2	17	1	14	10
6	2	36	1	16	14
7	2	30	1	14	20
8	1	26	18	16	26
9	1	29	20	14	29
10	1	26	10	16	30
11	1	23	10	14	26
12	1	28	8	18	23
13	1	20	8	19	13
14	1	17	19	18	19
15	1	25	13	18	19
16	1	33	19	18	17
17	1	27	17	19	22
18	1	27	18	10	9
19	1	27	21	10	23
20	1	20	23	7	25
21	2	12	23	15	21
22	2	26	25	15	26
23	8	17	23	9	25
24	9	29	20	13	23
25	10	25	14	10	21
26	1	24	18	15	19
27	18	20	16	8	26
28	14	18	19	8	21
29	21	19	20	11	16
30	13	21	22	15	22
31	19	—	21	5	—
Mean	5	23	16	13	20
Max.	21	36	25	19	30
Min.	1	11	1	5	7
A. F.	280	1350	950	830	1170

Computed from one daily observation.

DAWSON COUNTY DRAIN NO. 2
Sec. 25-10-23 W.
Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	1	7	4	5	5
2	0	4	4	5	5
3	0	4	4	5	5
4	1	4	4	5	5
5	1	5	4	6	5
6	1	5	4	6	5
7	1	5	4	6	4
8	0	5	4	7	4
9	1	9	4	8	4
10	1	17	4	8	4
11	1	8	4	8	4
12	1	7	4	8	4
13	1	7	4	8	4
14	1	6	4	8	4
15	1	6	4	6	4
16	1	6	4	6	4
17	1	6	4	5	4
18	1	5	4	5	4
19	1	5	4	5	4
20	1	5	4	5	4
22	1	5	4	5	4
21	1	5	4	5	4
23	1	5	4	5	4
24	1	5	4	5	4
25	4	5	5	5	3
26	3	4	4	5	4
27	3	4	4	4	4
28	3	4	4	5	4
29	3	4	4	5	3
30	3	4	4	4	3
31	3	—	4	4	—
Mean	1	6	4	6	4
Max.	4	17	5	8	5
Min.	0	4	4	4	3
A. F.	90	340	250	350	240

Computed from one daily observation.

DUGOUT CREEK, UPPER
Sec. 20-20-50 W.

Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	0	56	12	16	9
2	1	61	15	35	9
3	0	91	12	40	9
4	0	53	8	58	7
5	1	39	5	99	8
6	1	42	4	126	7
7	0	61	4	116	9
8	1	40	7	40	8
9	1	36	7	17	13
10	1	29	7	35	14
11	0	29	4	48	15
12	0	13	9	67	15
13	0	13	4	64	13
14	0	11	8	40	11
15	1	43	8	23	15
16	0	24	7	12	15
17	0	18	5	10	18
18	0	8	7	13	18
19	0	4	6	13	18
20	0	4	8	18	35
21	1	4	8	14	29
22	1	46	8	15	21
23	0	37	9	15	20
24	0	55	8	15	37
25	0	41	8	9	24
26	0	41	14	11	37
27	0	41	18	24	9
28	29	57	14	24	30
29	46	35	9	17	30
30	61	24	11	23	92
31	67	—	24	9	—
Mean	7	37	9	34	20
Max.	67	92	24	126	92
Min.	0	4	4	9	7
A. F.	420	2190	550	2110	1180

Computed from one daily observation.

ELKHORN RIVER AT NELIGH—20-25-6 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	117	146	140	120	160	261	224	302	292	257	104	80
2	122	144	150	110	160	244	211	298	294	238	106	78
3	133	142	150	120	160	150	211	282	298	222	112	79
4	137	140	160	120	160	180	224	269	290	228	112	81
5	162	142	170	120	160	180	224	261	294	228	120	78
6	172	146	180	120	160	120	235	250	447	226	112	71
7	158	155	183	120	160	190	237	240	741	204	105	68
8	160	158	183	130	170	240	231	224	890	203	103	69
9	148	155	172	120	210	403	226	233	1140	210	105	70
10	146	154	156	130	220	436	219	255	1180	189	106	70
11	144	155	110	130	200	389	211	253	1190	187	103	72
12	143	156	120	140	240	483	201	250	1160	187	100	76
13	143	158	130	160	267	445	198	237	1050	170	97	81
14	143	158	140	170	274	430	199	267	922	164	95	83
15	142	160	191	170	280	415	203	320	826	160	93	85
16	142	158	183	180	274	400	269	313	762	166	110	88
17	142	158	160	180	217	389	324	315	654	168	121	93
18	143	158	130	170	170	364	421	302	584	164	114	95
19	142	160	170	170	160	336	556	272	544	156	106	103
20	143	160	183	170	180	311	886	263	505	149	101	106
21	143	158	130	160	253	292	930	265	445	146	109	104
22	143	158	95	170	242	282	741	288	392	140	129	106
23	144	160	95	160	240	269	654	274	369	130	121	102
24	144	160	130	160	244	261	598	270	409	122	119	96
25	144	175	130	160	235	280	523	252	344	121	115	95
26	143	184	130	160	173	282	445	231	324	122	109	97
27	142	167	130	160	160	267	389	240	288	120	103	105
28	142	168	130	160	210	253	354	263	282	115	98	116
29	142	167	120	160	-----	240	332	259	270	109	96	124
30	143	100	120	160	-----	235	315	267	261	108	92	122
31	146	-----	120	160	-----	231	-----	282	-----	105	85	-----
Mean	144	155	145	149	205	297	366	268	582	168	106	90
Max.	172	184	191	180	280	445	930	320	1190	257	129	124
Min.	117	100	95	110	160	120	138	224	261	105	85	63
A. F.	8840	9240	8910	9160	11380	18260	21800	16460	34610	10340	6550	5340

Total acre-feet 160900.

ELKHORN RIVER AT WATERLOO—Sec. 21-16-10 E.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	475	471	200	330	750	970	928	1050	8750	1110	887	480
2	475	471	180	350	670	1990	887	1020	7530	1920	861	467
3	480	467	250	350	600	2570	804	963	4870	2690	793	454
4	493	463	400	340	560	2070	834	928	2620	1730	764	410
5	493	463	400	330	550	1730	900	834	2000	2060	753	400
6	502	467	460	350	550	1260	834	868	2400	4950	787	395
7	493	475	490	350	530	1080	956	842	7590	2750	720	390
8	502	480	490	350	530	1110	1020	806	6150	1960	698	385
9	515	484	460	350	550	1640	1040	817	6940	1420	670	380
10	524	557	460	370	1000	3500	1020	887	12200	1260	676	370
11	515	520	430	400	3000	12000	942	900	7530	1140	682	370
12	497	506	420	410	2500	12000	880	900	5200	1090	660	370
13	480	497	450	410	1730	5630	848	914	4090	1110	781	370
14	471	489	429	430	1670	3520	823	1040	3380	1020	753	380
15	463	484	430	420	1830	3400	793	1500	3960	956	649	380
16	463	480	440	420	1400	2960	907	1500	12000	963	665	380
17	458	480	470	430	1000	2660	985	1150	8780	9580	687	380
18	463	480	450	470	800	2230	1010	963	5560	10400	781	406
19	454	484	460	480	700	1900	1080	907	4110	7560	811	454
20	463	489	490	500	670	1630	1100	861	2750	4890	842	425
21	458	484	480	510	676	1500	1010	2360	2240	4480	742	458
22	463	480	430	510	612	1410	942	4600	1920	4420	657	429
23	463	480	420	510	704	1340	1670	3420	1650	3120	638	410
24	463	489	450	540	793	1260	2780	2370	1460	1770	628	398
25	463	506	430	620	874	1220	1960	1400	1310	1420	607	383
26	463	534	410	1200	1110	1180	1520	1160	1900	1390	592	402
27	467	520	320	1200	1310	1100	1390	1430	1770	1170	572	446
28	463	520	340	1100	1100	1070	1290	2280	1450	1130	557	623
29	475	480	350	1000	-----	1040	1200	2020	1260	1170	543	654
30	463	210	350	870	-----	1020	1100	1760	1230	1040	520	698
31	480	-----	330	820	-----	978	-----	2790	-----	956	497	-----
Mean	477	480	405	539	1027	2547	1122	1461	4487	2655	694	432
Max.	524	557	490	1200	3000	12000	2780	4600	12200	10400	887	698
Min.	454	210	180	330	530	970	793	805	1230	956	497	370
A. F.	29360	28530	24910	33160	57060	15600	66770	89850	267000	163900	42650	25680

Total acre-feet 985500.

ELM CREEK—Sec. 33-9-18 W.
Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	0	400	1	0	12
2	0	13	1	0	0
3	0	0	2	0	0
4	0	0	2	0	0
5	0	77	2	0	0
6	0	332	2	0	4
7	0	36	13	0	3
8	0	10	17	0	8
9	0	400	10	0	8
10	0	500	10	0	0
11	0	95	8	0	14
12	0	22	10	0	19
13	0	3	13	0	19
14	0	1	1	0	18
15	0	123	3	0	17
16	0	168	10	0	16
17	0	72	12	0	14
18	0	39	19	0	14
19	0	27	0	0	14
20	0	27	14	0	14
21	0	1	15	0	0
22	0	1	1	0	0
23	0	0	20	0	0
24	0	82	28	0	0
25	0	9	26	8	0
26	0	1	26	1	0
27	0	1	6	0	0
28	7	1	7	0	0
29	0	1	1	25	0
30	0	1	0	20	0
31	276	—	0	12	—
Mean	9	81	9	2	6
Max.	276	500	28	25	19
Min.	0	0	0	0	0
A. F.	560	4850	560	130	380

Computed from one daily observation.

FREMONT SLOUGH—Sec. 17-13-29 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	5	8	5	6	7	3	6	4	10	9	5
2	4	5	8	5	7	7	3	3	3	6	9	5
3	4	6	7	5	7	9	3	3	3	7	8	5
4	4	6	9	6	7	9	3	3	3	8	7	5
5	8	6	10	6	7	9	3	2	12	7	7	5
6	9	7	10	6	7	9	3	3	6	6	7	6
7	4	8	10	6	7	8	3	3	6	6	7	6
8	4	6	9	6	7	8	2	3	5	6	7	7
9	5	6	9	6	7	8	2	3	17	6	7	6
10	5	5	6	6	7	7	2	3	6	7	7	5
11	6	5	6	6	7	6	2	3	6	7	7	5
12	10	5	7	6	8	6	2	2	5	7	7	7
13	11	5	6	6	8	6	3	2	5	7	8	6
14	13	5	6	6	8	6	3	2	4	6	7	5
15	16	4	7	6	7	6	3	2	4	7	7	5
16	17	4	5	6	7	5	4	2	4	7	7	5
17	21	4	6	8	7	5	6	2	4	7	6	5
18	23	4	6	8	7	5	6	2	4	6	5	6
19	12	4	5	8	8	5	5	2	4	5	5	5
20	6	4	5	8	7	4	5	2	4	5	6	5
21	7	4	5	8	7	5	5	2	4	6	7	5
22	8	5	5	9	8	4	5	2	4	5	7	5
23	7	5	6	9	7	4	5	2	4	5	7	5
24	6	5	6	9	7	5	5	2	11	5	7	5
25	6	6	5	7	7	4	5	2	6	22	7	5
26	6	5	5	9	7	4	5	2	5	11	7	7
27	6	5	6	9	7	4	5	19	5	7	7	7
28	5	5	6	8	7	4	6	6	14	5	7	7
29	5	5	6	6	—	4	6	5	7	11	6	5
30	5	5	40	6	—	3	6	4	11	9	6	5
31	5	—	5	6	—	3	—	4	—	9	6	—
Mean	8	5	7	7	7	6	4	3	6	7	7	—
Max.	23	8	10	9	8	9	6	19	17	22	9	7
Min.	4	4	4	5	6	3	2	2	3	5	5	5
A. F.	500	310	400	420	400	360	240	200	360	450	420	330

Total acre-feet 4390.

Computed from two daily observations.

REPORT OF THE STATE ENGINEER

FRENCHMAN RIVER BELOW CHAMPION—Sec. 22-6-39 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	52	40	38	50	37	38	45	33	21	26	39
2	34	45	40	39	48	38	39	45	38	29	33	30
3	35	46	40	43	49	41	46	45	40	27	39	33
4	40	57	40	41	48	36	43	45	63	24	40	31
5	63	55	40	37	47	39	47	45	115	30	38	31
6	59	55	40	43	49	35	45	45	82	33	41	27
7	52	55	40	41	46	38	45	45	73	36	38	26
8	52	55	40	50	48	36	44	45	74	43	36	29
9	49	55	40	55	50	33	46	45	74	42	37	27
10	50	55	40	59	49	35	45	45	47	41	41	34
11	48	55	40	55	46	35	44	30	49	42	33	45
12	46	55	40	58	50	38	47	30	71	40	37	36
13	49	55	40	57	47	37	45	30	69	41	36	40
14	41	55	26	64	45	35	45	30	57	46	28	40
15	49	51	35	64	46	35	44	30	42	40	30	49
16	56	54	35	59	48	37	50	25	30	43	31	40
17	55	54	35	55	40	32	49	22	36	43	30	37
18	52	45	35	59	43	35	51	21	43	40	29	31
19	60	45	35	64	45	38	52	25	43	41	27	37
20	54	46	35	59	47	31	43	22	40	31	31	34
21	56	46	35	58	44	35	46	27	41	39	32	33
22	52	46	35	59	41	35	38	22	39	34	34	35
23	53	46	35	58	40	37	44	23	43	34	50	31
24	52	46	35	59	40	36	42	18	40	33	47	40
25	44	51	35	60	42	40	45	24	43	31	43	41
26	50	47	35	59	40	40	45	21	42	35	36	50
27	52	47	41	57	42	42	46	27	39	30	39	73
28	48	45	34	54	41	40	54	40	36	24	42	259
29	47	45	37	58	---	40	51	84	31	24	44	156
30	51	45	38	53	---	42	50	99	29	26	40	134
31	44	---	37	53	---	44	---	38	---	27	41	---
Mean	49	50	37	54	45	37	46	37	50	34	36	62
Max.	63	---	---	64	50	44	54	99	115	46	50	259
Min.	29	---	26	37	40	31	38	18	29	21	26	26
A. F.	3020	2990	2290	3310	2520	2280	2730	2260	2980	2120	2240	3070

Total acre-feet 31810.

FRENCHMAN RIVER NEAR IMPERIAL—Sec. 3-5-38 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52	72	82	69	79	68	62	74	75	64	32	68
2	53	74	80	69	76	72	62	73	68	50	41	72
3	45	74	83	63	76	71	63	70	61	42	55	63
4	55	70	80	62	78	74	64	70	72	42	67	57
5	70	76	79	62	79	70	66	72	221	42	73	65
6	80	77	78	60	79	70	66	70	141	54	66	50
7	73	84	70	64	76	68	70	67	117	61	60	42
8	71	79	70	69	78	68	68	69	103	68	61	38
9	69	83	69	64	80	70	64	63	128	69	66	53
10	70	80	67	73	79	67	68	68	100	74	64	54
11	70	86	52	80	78	70	65	47	82	68	64	55
12	64	77	42	79	81	69	70	47	87	69	70	71
13	64	72	53	74	78	61	72	52	102	71	63	69
14	71	58	59	84	79	62	70	61	94	70	63	60
15	69	71	57	88	76	52	71	50	85	73	57	73
16	81	75	59	83	80	62	75	50	68	65	48	74
17	78	79	66	89	77	55	77	44	50	66	50	73
18	80	80	62	87	75	60	80	45	60	70	57	66
19	78	78	70	83	63	66	76	49	70	68	60	52
20	82	72	70	87	80	65	74	53	70	64	55	52
21	80	74	69	82	70	62	71	44	64	58	52	64
22	77	76	61	84	76	52	71	44	64	56	52	61
23	82	75	59	87	76	48	68	47	65	58	67	68
24	81	82	63	89	74	62	70	45	65	57	72	61
25	77	78	64	84	72	58	68	44	66	58	76	65
26	75	80	69	89	65	56	62	46	62	54	71	90
27	74	79	66	88	69	58	70	64	59	52	66	113
28	81	81	63	86	65	60	69	55	66	50	65	144
29	76	76	65	88	---	60	74	68	62	56	70	266
30	79	80	64	80	---	62	72	128	66	37	71	133
31	72	---	61	77	---	62	---	110	---	39	71	---
Mean	72	77	66	78	76	63	69	61	83	59	62	77
Max.	82	86	83	89	81	74	80	128	221	74	76	266
Min.	45	58	42	60	63	48	---	44	---	37	32	38
A. F.	4420	4560	4070	4810	4190	3890	4120	3750	4940	3620	3780	4610

Total acre-feet 50760.

BUREAU OF IRRIGATION

485

FRENCHMAN RIVER NEAR HAMLET—Sec. 29-5-34 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	72	102	107	93	113	103	99	111	130	88	67	79
2	74	92	114	97	117	104	99	110	109	86	66	80
3	81	97	116	113	111	105	101	108	99	83	66	80
4	79	97	110	109	114	105	100	106	96	77	70	81
5	77	97	110	99	117	105	96	105	322	77	119	73
6	85	96	110	97	123	104	101	105	249	74	89	76
7	90	101	109	97	121	103	101	103	194	77	89	70
8	93	106	103	97	115	103	101	104	148	89	85	67
9	92	104	105	101	115	101	101	103	196	84	85	65
10	90	104	104	99	113	101	103	102	165	89	83	64
11	88	105	98	101	117	101	98	100	144	90	84	74
12	93	105	100	109	116	97	101	95	120	94	82	67
13	93	107	88	109	113	102	102	89	115	91	88	78
14	87	100	86	109	117	97	106	88	118	99	85	82
15	90	96	85	106	111	97	105	99	122	95	83	79
16	93	90	91	112	113	95	113	90	116	90	85	76
17	93	99	92	113	109	91	114	86	109	93	74	85
18	97	101	93	111	110	97	117	83	101	86	72	83
19	99	105	97	115	109	88	113	81	101	89	72	85
20	100	104	96	113	103	99	113	80	99	87	72	77
21	100	101	102	112	105	101	110	83	94	86	84	73
22	102	101	103	113	108	98	106	85	92	135	80	73
23	101	103	94	109	109	97	105	79	94	85	77	77
24	99	105	85	113	106	91	105	76	95	85	79	75
25	103	110	91	111	109	87	106	77	97	80	85	79
26	103	110	91	113	108	95	107	76	94	83	87	206
27	97	110	94	113	104	101	105	76	90	80	87	281
28	97	106	106	113	103	93	107	77	85	80	82	173
29	103	110	113	112	---	90	107	88	87	75	79	132
30	101	109	108	109	---	97	110	81	87	73	79	206
31	98	---	101	113	---	96	---	111	---	74	80	---
Mean	93	102	100	107	112	98	105	92	126	86	81	96
Max.	103	110	116	115	123	105	117	111	322	135	119	281
Min.	72	90	85	93	103	87	96	76	85	73	66	64
A. F.	5690	6100	6170	6610	6210	6040	6250	5670	7470	5310	4990	5740

Total acre-feet 72250.

FRENCHMAN RIVER AT CULBERTSON—Sec.17-3-31 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	49	104	152	144	151	150	147	138	130	98	29	38
2	54	104	147	128	164	157	145	136	129	96	25	39
3	78	104	159	137	174	159	144	132	123	93	22	37
4	69	104	168	141	168	166	144	127	141	88	23	36
5	66	108	161	143	170	172	145	124	182	79	96	29
6	64	108	164	141	185	177	144	119	489	69	59	29
7	69	110	166	144	203	170	150	118	385	63	31	26
8	79	114	152	148	193	168	152	111	302	66	32	20
9	80	116	166	144	182	162	154	111	366	74	32	19
10	80	121	162	152	183	157	152	106	285	70	47	23
11	78	119	157	155	178	157	147	101	244	123	30	46
12	74	119	151	157	176	152	134	104	226	123	41	29
13	80	119	168	162	182	152	147	97	210	141	74	26
14	85	121	152	164	177	152	148	91	196	102	66	26
15	88	137	157	164	178	152	161	79	193	99	63	28
16	90	134	158	161	174	151	163	76	185	97	75	26
17	96	132	161	162	172	144	168	80	180	85	76	25
18	94	140	155	164	171	144	177	69	174	82	72	27
19	99	140	157	158	162	147	183	64	165	79	67	29
20	98	144	155	152	170	144	174	63	164	76	64	32
21	104	145	155	159	159	150	171	67	155	70	78	33
22	108	148	152	152	159	147	164	78	144	68	80	27
23	111	148	150	152	154	148	159	67	143	101	72	31
24	108	152	136	155	154	147	145	55	194	64	75	33
25	107	159	132	158	148	144	143	50	135	60	69	31
26	111	161	136	158	148	143	147	55	127	81	75	62
27	111	158	132	162	143	147	145	55	128	59	85	815
28	108	161	136	164	143	147	138	54	116	44	80	474
29	98	158	143	159	---	144	138	47	111	36	62	246
30	103	152	145	150	---	143	143	52	110	36	58	203
31	106	---	147	148	---	145	---	132	---	30	46	---
Mean	88	131	153	153	169	153	153	89	194	79	58	85
Max.	111	161	163	164	203	177	183	138	489	141	96	815
Min.	49	104	132	128	143	143	134	47	110	30	22	11
A. F.	5440	7810	9430	9400	9360	9400	9090	5470	11570	4860	3580	5050

Total acre-feet 90460.

REPORT OF THE STATE ENGINEER

GERING DRAIN NEAR GERING—Sec. 6-21-54 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	82	34	36	33	30	27	27	25	75	72	289	68
2	86	34	36	33	30	28	29	26	71	69	375	71
3	87	34	34	33	30	26	27	25	82	64	141	75
4	82	34	34	33	30	27	27	25	102	70	137	70
5	90	34	34	32	30	27	29	25	121	39	121	71
6	85	34	34	32	30	26	29	25	224	112	152	68
7	83	43	34	32	30	25	28	25	122	75	126	78
8	83	35	34	32	30	26	28	24	117	102	134	78
9	83	35	34	32	30	27	27	25	145	106	133	76
10	81	35	34	32	30	28	27	24	128	67	131	76
11	82	35	34	32	30	28	27	23	104	38	126	89
12	82	34	34	32	30	27	27	27	95	64	125	89
13	82	35	34	32	30	27	29	38	68	47	157	101
14	81	34	34	32	30	27	29	46	61	61	238	112
15	62	35	34	32	30	27	30	41	114	61	112	109
16	40	34	34	32	30	26	31	38	105	67	105	81
17	38	34	34	32	30	25	30	38	97	83	115	129
18	36	36	34	32	30	26	28	38	95	73	136	127
19	36	35	34	32	30	25	27	38	95	67	115	147
20	36	35	34	32	30	26	27	36	84	69	104	142
21	35	36	34	32	30	26	27	46	74	92	111	145
22	34	36	33	32	29	27	26	42	79	85	99	175
23	34	36	33	32	29	27	27	38	143	104	81	164
24	34	36	33	32	29	26	28	34	346	98	93	164
25	34	36	33	32	29	33	29	30	140	79	96	165
26	34	36	33	32	28	28	27	65	44	81	115	140
27	34	36	33	32	28	27	27	100	59	89	104	104
28	34	36	33	32	27	27	25	94	112	81	87	98
29	34	36	33	32	—	27	25	79	91	85	80	93
30	34	36	33	32	—	26	26	52	91	85	72	99
31	34	—	33	32	—	26	—	64	—	81	68	—
Mean	58	35	34	32	30	27	28	40	109	76	132	107
Max.	92	—	—	—	—	33	31	100	346	112	375	175
Min.	34	—	—	—	—	25	25	23	44	38	68	68
A. F.	3570	2100	2080	1980	1640	1650	1650	2490	6510	4690	8090	6360
Total acre feet	42810.											

HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	115	49	33	25	23	26	18	28	95	115	184	94
2	100	47	32	25	25	31	17	25	91	92	537	101
3	100	47	34	25	25	25	20	24	165	68	513	100
4	100	47	33	25	26	28	20	24	248	64	918	92
5	88	47	31	25	25	25	24	24	461	59	514	94
6	82	47	35	27	25	22	31	26	511	50	507	95
7	80	58	35	27	22	25	28	26	469	57	413	108
8	78	48	34	31	25	25	22	23	431	86	344	99
9	78	46	32	31	26	26	20	22	368	82	248	98
10	74	46	32	29	22	44	20	27	275	59	226	99
11	72	45	33	30	22	58	20	17	208	62	192	101
12	72	43	32	29	22	35	20	16	184	66	169	110
13	70	44	32	31	20	29	20	14	230	67	147	116
14	68	43	32	32	20	26	23	16	180	70	609	131
15	67	42	32	27	20	25	32	16	319	87	320	135
16	66	44	34	29	17	24	40	14	284	72	232	149
17	65	42	31	30	18	22	62	13	305	73	163	176
18	63	42	32	27	18	22	56	13	298	76	148	183
19	62	43	35	28	18	21	49	49	280	81	144	163
20	61	40	34	23	18	20	37	82	258	73	163	146
21	58	38	32	25	18	20	33	180	224	73	166	158
22	58	38	29	25	18	20	31	122	184	90	174	163
23	57	41	25	26	18	18	31	112	169	93	174	151
24	56	41	34	26	18	18	28	98	272	76	186	158
25	55	35	30	28	12	22	46	94	175	75	186	163
26	54	33	30	26	15	21	50	124	134	71	195	127
27	54	38	30	24	23	18	38	140	134	74	180	185
28	54	39	30	20	28	18	34	357	168	71	155	210
29	53	36	30	23	—	18	31	364	142	72	131	226
30	52	34	30	19	—	17	29	144	149	76	112	248
31	51	—	30	24	—	16	—	162	—	79	100	—
Mean	70	43	32	26	21	25	31	77	247	74	273	139
Max.	—	58	—	—	28	58	62	364	511	115	918	248
Min.	51	33	—	—	12	16	17	13	91	50	100	92
A. F.	4290	2540	1960	1630	1160	1520	1840	4750	14700	4580	16760	8290
Total acre-feet	64020.											

INDIAN CREEK—Sec. 19-20-50 W.
Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	4	33	7	17	22
2	4	32	7	18	22
3	4	37	7	19	19
4	4	35	7	17	18
5	5	31	7	19	21
6	5	30	7	19	21
7	5	40	7	39	18
8	5	40	7	22	22
9	5	40	9	16	23
10	5	40	9	17	18
11	5	50	9	16	18
12	4	4	9	16	19
13	4	4	10	19	19
14	5	5	9	22	19
15	5	30	8	22	18
16	5	8	10	17	19
17	5	7	9	17	18
18	4	8	10	19	20
19	4	8	10	20	17
20	5	8	10	20	18
21	5	8	10	20	20
22	5	8	10	20	16
23	5	8	9	20	16
24	6	9	18	19	16
25	5	16	19	19	16
26	5	15	16	24	17
27	5	15	16	23	18
28	24	16	16	23	20
29	30	16	16	23	20
30	35	16	16	23	30
31	25	—	17	18	—
Mean	8	21	11	20	19
Max.	35	50	19	39	30
Min.	4	4	7	16	16
A. F.	480	1220	660	1240	1150

Computed from one daily observation.

LINCOLN COUNTY DRAIN NO. 1
Sec. 30-14-30 W.

Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	28	48	53	70	94
2	28	48	54	77	93
3	28	46	54	71	91
4	23	45	54	75	93
5	28	60	56	93	90
6	27	59	56	88	94
7	28	59	56	91	94
8	27	59	57	91	106
9	28	81	63	91	100
10	28	66	64	86	102
11	27	63	66	82	107
12	27	60	62	83	101
13	27	60	62	90	97
14	27	60	60	83	101
15	27	60	63	91	99
16	27	53	58	94	98
17	28	56	58	97	101
18	35	54	58	91	99
19	35	53	63	96	98
20	54	72	66	93	102
21	30	64	70	94	96
22	30	60	70	104	97
23	31	60	64	94	94
24	42	58	63	86	98
25	46	56	81	92	101
26	56	56	75	93	98
27	134	54	64	93	95
28	60	59	64	101	90
29	56	55	64	93	91
30	49	54	70	93	92
31	49	—	69	93	—
Mean	38	58	62	89	97
Max.	134	81	81	104	107
Min.	27	45	53	70	90
A. F.	2330	3460	3840	5500	5780

LODGEPOLE CREEK BELOW
OLIVER RESERVOIR
Sec. 31-15-56 W.

Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	3	3	2	1	4
2	3	3	2	1	4
3	3	3	2	1	4
4	3	3	2	1	4
5	3	3	2	1	4
6	3	3	2	1	5
7	3	3	2	1	5
8	3	4	2	1	4
9	3	4	1	1	5
10	3	4	2	1	5
11	3	4	2	1	5
12	3	4	2	1	5
13	3	4	2	1	5
14	3	2	2	1	4
15	3	2	2	4	4
16	3	2	1	1	4
17	3	2	1	0	4
18	3	2	1	1	5
19	3	2	1	0	4
20	3	5	1	1	4
21	4	4	1	1	4
22	3	4	1	0	4
23	3	1	1	1	4
24	3	1	1	1	4
25	3	1	2	1	4
26	3	1	2	1	4
27	3	1	2	3	3
28	3	1	2	4	4
29	3	2	1	4	4
30	3	1	1	4	4
31	3	—	1	4	—
Mean	3	3	2	1	4
Max.	4	5	2	4	5
Min.	3	1	1	0	3
A. F.	190	160	100	90	250

REPORT OF THE STATE ENGINEER

 LODGEPOLE CREEK AT BUSHNELL—Sec. 33-15-57 W.
 Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	11	10	12	12	14	13	15	13	14	16	12
2	10	11	9	14	13	14	13	14	13	13	17	12
3	10	11	9	13	14	12	12	14	12	12	12	12
4	9	11	10	14	15	14	16	14	12	10	12	12
5	9	11	10	14	16	10	17	14	16	10	13	13
6	9	11	10	14	15	11	22	14	17	10	12	13
7	10	14	12	14	14	11	19	15	18	11	43	12
8	10	13	12	14	14	11	16	15	18	10	29	12
9	10	12	12	14	16	13	16	16	20	10	20	12
10	10	12	10	14	16	13	16	15	21	10	16	12
11	10	12	10	14	15	13	16	15	22	10	15	12
12	10	11	11	14	16	13	16	15	22	23	14	12
13	10	11	11	14	16	13	18	15	17	15	14	13
14	10	11	12	14	16	13	16	14	16	12	14	13
15	11	11	12	14	16	13	16	16	19	12	19	13
16	11	11	12	13	14	13	20	16	20	12	16	13
17	11	11	11	13	13	13	19	16	19	9	14	14
18	11	12	11	13	15	12	23	15	17	10	13	14
19	11	12	11	13	14	12	23	14	16	15	13	14
20	11	11	12	11	15	11	20	16	16	10	12	13
21	11	11	12	12	15	12	18	20	16	10	13	13
22	11	12	12	11	12	11	17	19	16	10	13	13
23	11	12	11	11	14	12	17	15	75	10	12	13
24	11	12	11	12	16	13	17	14	30	10	12	12
25	11	7	12	12	12	14	20	14	38	11	12	12
26	11	8	11	12	11	14	20	13	29	10	12	13
27	11	8	11	12	12	13	18	14	23	11	12	13
28	11	8	12	10	13	12	17	14	17	11	12	13
29	11	9	13	10	—	13	16	14	16	11	12	13
30	11	11	13	10	—	13	15	13	15	11	12	14
31	11	—	10	10	—	13	—	14	—	11	12	—
Mean	10	11	11	13	14	12	17	15	21	11	15	13
Max.	11	14	13	14	16	14	23	20	75	23	43	14
Min.	9	7	9	10	11	10	12	13	12	9	12	12
A. F.	643	651	684	778	793	772	1040	916	1230	702	928	758
Total acre-feet 9900.												

 LOGAN CREEK AT UEHLING—Sec. 9-20-8 E.
 Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	56	56	55	45	45	100	79	81	1120	450	110	70
2	58	57	55	40	50	360	80	71	337	450	110	70
3	59	58	55	40	50	310	80	71	204	450	110	70
4	58	59	55	40	50	250	89	70	148	450	110	70
5	61	60	55	40	50	230	93	71	260	450	110	70
6	59	61	55	45	50	230	106	69	2560	450	110	70
7	57	80	55	45	55	220	111	71	3130	450	110	70
8	56	150	55	45	55	370	109	68	2920	450	110	70
9	56	113	50	40	55	460	107	75	3070	450	110	70
10	58	89	50	45	300	900	108	87	3340	450	110	70
11	56	71	30	45	500	410	111	85	960	450	110	70
12	56	70	30	45	330	350	108	78	525	450	110	70
13	57	68	35	45	230	290	106	150	441	450	110	70
14	57	67	40	50	160	286	120	215	312	450	110	70
15	55	66	45	50	140	358	148	191	1320	450	110	70
16	56	63	50	50	130	344	139	133	3160	450	110	70
17	55	62	45	50	80	248	136	117	1250	450	110	70
18	56	58	46	50	70	178	145	89	547	450	110	70
19	57	59	45	50	70	155	133	86	346	450	110	70
20	59	60	35	50	75	148	122	69	266	450	110	70
21	57	59	35	55	75	116	110	178	262	450	110	70
22	57	60	30	55	70	116	106	189	248	450	110	70
23	56	58	35	60	75	115	164	189	221	450	110	70
24	57	60	40	65	80	111	113	182	223	450	110	70
25	56	61	40	65	90	103	84	171	198	450	110	70
26	56	60	35	70	100	104	86	151	163	450	110	70
27	56	60	25	65	95	101	86	155	192	450	110	70
28	55	60	45	65	90	101	81	344	198	450	110	70
29	56	60	45	60	—	96	84	229	189	450	110	70
30	57	60	50	40	—	95	81	204	183	450	110	70
31	56	—	50	40	—	87	—	1330	—	450	110	—
Mean	57	68	44	50	115	237	108	170	943	450	110	70
Max.	61	150	55	70	500	900	164	1330	3340	—	—	—
Min.	55	56	25	40	45	87	79	68	148	—	—	—
A. F.	3490	4020	2720	3070	6390	14590	6400	10450	56120	27670	6760	4170
Total acre-feet 145800.												

BUREAU OF IRRIGATION

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LOUP RIVER NEAR GENOA—Sec. 25-17-4 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	35	160	450	81	625	50	154	5760	271	94	68
2	36	44	34	590	76	729	87	165	1380	87	105	52
3	58	36	34	400	49	2950	146	138	632	101	111	44
4	70	36	41	720	30	2200	204	118	443	105	100	40
5	70	24	100	710	22	2230	162	126	802	91	76	92
6	56	33	148	810	35	1000	157	126	2520	113	519	103
7	100	57	675	730	70	400	148	111	2380	116	120	116
8	53	47	888	650	224	432	144	126	1750	100	84	103
9	51	53	1650	660	365	3370	94	165	3830	100	94	74
10	68	53	2300	480	1670	3560	103	182	16400	109	148	81
11	68	60	1920	400	2840	1620	118	188	8180	111	79	116
12	49	34	1350	650	3370	1120	122	168	3050	101	60	113
13	77	29	1090	770	3560	698	188	148	1110	111	76	120
14	82	39	880	1000	3280	365	198	220	714	136	74	122
15	33	47	514	1000	2660	421	194	182	1440	91	64	94
16	28	47	1390	830	2230	282	338	165	3140	559	55	91
17	63	46	897	660	3530	333	906	157	1070	4670	71	122
18	56	43	2300	550	2390	316	777	138	471	654	96	478
19	61	47	2100	920	1760	286	551	138	385	299	98	154
20	64	41	1600	600	1330	271	316	103	347	558	67	107
21	73	43	1700	550	551	255	267	173	329	210	79	92
22	37	57	1600	630	471	241	234	185	237	146	77	85
23	27	77	1200	618	611	210	401	165	217	134	107	62
24	57	84	1200	1040	1880	191	248	148	191	120	124	42
25	58	98	810	1190	2270	234	154	154	259	1400	96	40
26	46	295	640	1210	2500	224	159	141	210	2180	64	50
27	47	1290	508	897	1640	154	154	737	224	952	45	57
28	49	1150	480	880	597	134	162	11400	188	385	73	81
29	26	880	55	698	—	124	162	3910	134	56	74	335
30	21	750	50	683	—	94	131	2340	94	68	65	126
31	42	—	150	173	—	92	—	2970	—	105	71	—
Mean	53	186	918	714	1432	812	236	817	1946	459	99	108
Max.	100	1290	2300	1210	3560	3560	906	11400	16400	4670	519	478
Min.	21	24	34	173	22	92	50	103	94	56	45	40
A. F.	3280	10680	56460	43930	79520	49910	14030	50260	115800	28240	6080	6450

Total acre-feet 464500.

LOUP RIVER NEAR COLUMBUS
Highway Bridge on West Line of Sec. 30-17-1 E.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	154	163	385	270	30	736	243	325	7610	393	286	145
2	150	158	168	740	20	1030	203	319	3340	656	254	137
3	168	150	188	850	20	2140	292	296	1820	623	266	120
4	193	158	243	710	20	2680	325	306	1090	408	266	106
5	231	168	332	880	20	1000	319	198	1190	362	178	106
6	178	150	393	910	20	500	266	214	2020	340	780	137
7	154	188	898	1000	30	532	249	231	4710	299	378	145
8	214	183	1510	1100	80	477	225	214	2070	273	249	158
9	168	163	1460	1100	230	2140	286	362	2230	249	214	120
10	173	183	3140	1100	808	5010	231	425	12300	249	231	129
11	158	183	2300	1100	2760	2580	292	385	9830	243	273	116
12	150	188	1890	1000	3930	1660	273	370	3740	273	178	183
13	145	173	1300	1100	3930	924	319	340	2000	243	203	158
14	154	163	620	1200	2710	561	425	542	1400	319	188	163
15	163	178	520	1400	2660	425	434	561	1870	299	163	145
16	129	173	410	950	2760	417	645	370	4170	1600	225	124
17	137	168	460	850	2920	312	1300	340	2160	11000	237	158
18	145	163	690	780	2300	370	937	325	1230	2790	198	254
19	163	183	1700	690	2000	425	760	312	911	1120	198	312
20	154	178	1300	1000	1400	385	504	299	760	1270	183	203
21	158	178	1300	1200	1400	417	385	523	634	833	193	193
22	173	183	1100	700	1100	468	417	561	552	451	249	193
23	145	173	830	600	1170	434	1510	417	494	347	193	154
24	145	214	660	650	1580	312	485	362	451	312	286	137
25	158	299	610	900	1760	460	451	370	400	417	214	116
26	173	273	370	1100	1400	552	417	347	542	1620	203	129
27	168	1840	410	970	1200	513	400	561	393	846	137	168
28	163	2530	440	660	992	370	385	9140	400	1290	120	286
29	173	2280	280	670	—	319	385	5540	355	273	154	585
30	145	1600	230	290	—	319	442	3960	362	266	145	485
31	150	—	200	160	—	279	—	3220	—	260	141	—
Mean	162	483	850	859	1402	927	460	1023	2368	965	232	186
Max.	231	2530	3140	1400	3930	5010	1510	9140	12300	11000	780	585
Min.	129	150	168	160	20	279	203	198	355	243	120	106
A. F.	9980	25750	52240	52820	77850	57020	27380	62930	140900	59350	14250	11040

REPORT OF THE STATE ENGINEER

LOUP RIVER, MIDDLE, AT WALWORTH—Sec. 1-19-20 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	686	867	700	500	500	860	1040	1040	849	770	646	578
2	702	840	700	260	570	660	876	1010	905	694	678	578
3	736	804	850	290	650	440	849	935	885	654	770	600
4	831	849	880	360	830	710	822	985	915	622	786	585
5	858	885	820	470	850	240	686	1020	996	585	752	585
6	831	935	790	540	810	410	710	1130	1030	570	702	562
7	778	945	778	670	730	780	761	1040	955	654	710	678
8	718	867	778	760	760	1200	770	895	965	1010	770	761
9	718	840	718	790	1000	1300	761	795	965	935	786	744
10	761	867	615	860	1300	1240	710	786	985	849	710	662
11	778	822	592	940	1300	955	804	831	786	770	662	646
12	761	935	670	940	1200	858	727	955	813	858	670	654
13	804	965	813	890	1120	896	678	985	822	804	727	638
14	905	925	925	780	996	935	786	955	813	761	744	646
15	975	795	1040	750	795	1010	744	876	770	744	718	752
16	895	795	955	730	608	1050	1100	770	654	770	718	822
17	786	786	885	820	541	867	955	786	678	727	710	867
18	786	718	670	890	430	761	778	795	638	686	678	965
19	702	686	680	830	680	786	761	813	670	630	662	965
20	718	840	660	890	800	849	727	831	678	654	662	985
21	744	813	400	770	820	885	718	831	813	710	935	1070
22	694	770	400	680	970	885	804	678	770	710	831	1100
23	744	831	470	800	1000	955	770	718	778	710	752	1070
24	744	935	430	860	1000	915	778	761	945	710	686	996
25	744	1030	500	810	750	876	795	840	925	702	670	1050
26	761	1060	560	800	590	858	778	840	935	710	654	1120
27	702	1050	580	720	850	822	778	1250	786	702	646	1110
28	778	1010	650	780	960	867	965	761	885	678	638	1030
29	831	920	630	600	—	849	935	736	804	670	654	867
30	778	780	580	430	—	867	945	813	804	670	638	876
31	786	—	620	540	—	945	—	867	—	654	600	—
Mean	775	872	688	702	836	856	810	832	841	722	709	819
Max.	975	1060	1040	940	1300	1300	1100	1250	1030	1010	935	1120
Min.	686	686	400	260	430	240	678	678	638	570	600	562
A. F.	47670	51900	42330	43140	46430	52620	48220	54200	50020	44380	43570	48720

Total acre-feet 573200.

LOUP RIVER, MIDDLE, AT ARCADIA—Sec. 26-17-16 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	882	891	700	520	540	800	882	830	956	653	489	554
2	901	910	770	430	540	860	956	738	804	602	452	508
3	821	838	780	290	640	700	938	763	795	560	470	554
4	1020	804	800	250	790	750	947	865	822	602	631	521
5	1130	865	830	350	1000	600	910	779	1110	581	581	483
6	838	891	860	480	970	300	856	754	1260	602	541	483
7	847	919	830	640	1100	340	865	804	1310	595	477	495
8	865	928	810	790	1100	1100	873	763	1080	581	495	638
9	919	891	780	980	1100	1600	838	763	1420	813	602	514
10	891	880	700	1000	1500	1700	754	730	1500	730	547	527
11	891	975	600	930	1600	1410	1020	653	966	737	489	489
12	830	966	500	950	1600	985	882	624	947	730	434	527
13	804	975	540	960	1500	891	873	699	830	691	501	581
14	975	960	620	960	1400	891	910	812	901	624	560	527
15	873	930	780	950	920	947	901	779	975	624	547	489
16	763	870	1100	900	640	975	1040	676	901	661	508	501
17	763	840	1000	860	540	1040	1150	738	738	676	470	588
18	882	810	850	810	460	830	968	706	763	624	412	638
19	832	740	820	840	510	787	856	706	730	653	390	779
20	730	706	820	840	570	795	901	706	730	617	434	699
21	738	714	710	850	600	821	985	804	714	631	1280	602
22	738	754	590	860	820	821	975	722	661	676	1410	581
23	691	763	550	800	1000	1000	1040	638	631	624	1040	668
24	750	746	590	880	1000	1090	1020	624	646	624	910	771
25	771	910	560	940	910	1020	966	653	634	730	821	754
26	771	865	610	920	750	966	1090	676	617	668	760	901
27	714	699	680	900	660	919	730	4740	617	668	700	1260
28	691	595	650	800	800	956	873	1360	804	668	650	1170
29	696	610	610	690	—	1020	873	947	691	624	610	882
30	847	630	660	590	—	966	901	928	676	624	538	730
31	928	—	710	490	—	947	—	1060	—	567	588	—
Mean	834	828	723	756	913	930	926	906	878	649	625	647
Max.	1130	975	1100	1000	1600	1700	1150	4740	1500	812	1410	1260
Min.	691	595	500	250	460	300	730	624	617	560	390	483
A. F.	51280	49240	44450	46510	50700	57180	55080	55620	52240	39890	38450	38510

Total acre-feet 579100.

BUREAU OF IRRIGATION

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LOUP RIVER, MIDDLE, AT ST. PAUL—Sec. 10-14-10 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	805	1110	550	790	600	1120	1080	1150	4000	1360	543	641
2	955	1080	560	750	550	1320	1200	1150	1330	966	534	605
3	1180	1050	680	730	720	1000	1070	1050	1220	867	500	526
4	1110	1120	830	730	670	980	1130	1050	1150	805	578	569
5	1180	900	940	670	730	800	1110	1040	1740	765	1770	596
6	1460	922	1000	630	910	550	1080	933	3030	856	1050	596
7	1120	878	800	760	1100	1100	1020	933	2680	775	856	526
8	1090	1020	770	870	1200	1400	1020	867	2320	805	815	578
9	1010	1180	700	960	1500	1300	1040	955	6210	805	867	578
10	1040	1150	650	1100	1500	1180	1040	955	11800	889	867	707
11	1090	1080	500	1200	1500	1380	1050	878	4390	944	1240	736
12	1080	1080	500	1200	2000	1440	1180	944	2320	955	1610	638
13	966	856	590	1200	1760	1090	1150	1060	1580	845	845	641
14	835	856	700	1300	1150	1040	1180	1240	1330	889	878	650
15	911	1110	940	1300	1350	1140	1120	1190	2730	726	726	765
16	944	1110	960	1300	1260	1040	1700	1120	2910	785	698	638
17	990	1130	1400	1300	900	922	2140	1060	1640	1170	736	716
18	990	1020	1200	1300	650	922	1880	990	1300	845	669	867
19	1110	978	980	1200	543	978	1590	990	1150	1060	632	825
20	1120	889	1000	1200	650	922	1440	1020	1110	889	587	878
21	955	1000	950	1100	960	845	1320	1180	1050	707	632	1040
22	944	1060	900	1100	1080	845	1290	1270	1090	707	1140	825
23	944	1170	890	1100	1280	889	1330	960	1190	707	1420	785
24	966	1090	740	1100	1330	922	1350	933	1410	736	1060	765
25	978	1240	530	1100	1410	1090	1280	955	1120	1650	889	795
26	966	1280	440	1100	1290	1130	1220	1000	1220	1860	765	990
27	1060	1080	560	1100	1020	1000	1240	1270	1150	1480	716	1020
28	1060	922	710	1100	900	990	1260	6030	1120	1010	755	1700
29	1060	889	730	1100	—	1110	1180	4700	1240	825	688	1360
30	1060	850	860	950	—	1120	1110	3270	1270	707	660	1080
31	1040	—	960	820	—	1110	—	4610	—	578	560	—
Mean	1033	1037	791	1037	1060	1054	1260	1509	2260	934	848	791
Max.	1460	1280	1400	1300	2000	1440	2140	6030	11800	1860	1770	1700
Min.	805	850	440	630	543	550	1020	867	1050	578	500	526
A. F.	63510	61890	48610	63790	60520	64810	74980	92790	134500	57420	52140	47060

Total acre-feet 821800.

LOUP RIVER, NORTH, NEAR TAYLOR—Sec. 22-21-18 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	321	478	310	360	290	510	611	545	451	373	321	228
2	333	472	460	270	380	420	586	533	446	329	296	199
3	350	446	630	290	430	410	574	494	462	308	316	241
4	391	421	610	420	540	440	545	494	467	387	431	238
5	441	421	600	440	480	250	550	505	528	346	312	228
6	396	457	580	460	520	260	562	505	650	333	262	188
7	368	478	580	490	530	320	568	494	737	346	252	215
8	355	457	520	500	480	490	580	472	630	391	277	252
9	373	488	450	500	570	690	556	510	744	499	316	248
10	373	478	480	480	540	540	545	478	968	431	333	234
11	378	499	380	520	770	530	562	472	766	406	304	228
12	368	522	300	570	900	574	580	346	703	387	262	296
13	355	545	500	600	650	636	562	308	650	378	288	281
14	350	522	700	660	490	643	550	373	593	373	244	266
15	364	539	890	640	470	624	611	373	624	368	234	325
16	378	510	650	580	370	624	710	364	624	533	231	296
17	382	462	610	550	330	624	716	359	669	431	228	308
18	387	516	450	570	340	593	703	346	599	387	215	346
19	387	488	450	570	410	556	696	342	550	387	218	411
20	406	499	460	570	440	545	650	337	574	382	221	396
21	401	483	360	540	500	550	611	401	545	387	378	364
22	411	478	280	540	430	556	611	368	478	359	545	364
23	421	488	280	520	480	556	599	355	441	355	382	355
24	421	505	280	560	460	528	593	337	533	359	329	359
25	416	500	300	590	450	528	562	359	499	382	308	350
26	421	450	390	540	410	494	550	494	431	411	300	416
27	421	436	390	500	390	494	545	599	436	368	308	467
28	446	416	400	490	480	510	533	522	478	321	292	516
29	467	462	380	460	—	516	556	478	421	277	304	494
30	457	370	380	400	—	522	568	436	411	277	288	462
31	467	—	370	360	—	568	—	441	—	285	266	—
Mean	394	476	465	501	483	519	592	434	570	373	299	319
Max.	467	545	890	660	900	690	716	599	958	533	545	516
Min.	321	370	280	270	290	250	533	308	411	277	215	188
A. F.	24210	28340	28580	30820	26840	31940	35200	26660	33910	22920	18370	18980

REPORT OF THE STATE ENGINEER

LOUP RIVER, NORTH, AT SCOTIA—Sec. 8-17-12 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	592	856	120	710	460	1160	889	972	1020	660	457	457
2	645	856	140	510	570	1110	900	900	867	660	471	832
3	700	856	170	590	660	780	924	845	889	570	471	379
4	740	867	420	600	800	900	889	770	878	700	471	373
5	856	834	880	710	820	630	889	760	1150	720	520	392
6	900	856	970	890	870	410	834	770	2310	600	450	367
7	790	823	1000	900	910	430	801	780	1370	580	400	349
8	770	878	1120	860	920	770	790	780	1270	650	379	367
9	730	867	1100	940	1200	1800	790	856	2240	780	424	450
10	740	845	996	910	1600	1640	770	912	2440	800	450	492
11	740	856	506	930	1500	1060	790	845	1540	720	424	492
12	720	867	536	970	1470	960	856	812	1370	670	424	544
13	760	912	780	1000	1330	1050	924	780	1220	640	411	592
14	720	924	972	1100	1190	1080	972	867	1140	680	404	592
15	700	960	1150	1100	1010	1120	972	912	1210	600	379	584
16	750	900	1150	1100	770	1120	1240	856	1220	2600	392	600
17	730	878	990	1200	580	1100	1270	770	1020	1500	520	609
18	730	845	740	1000	450	1070	1240	740	960	1000	424	672
19	740	900	710	920	490	1020	1120	740	972	840	361	700
20	760	900	740	910	680	936	1120	760	878	780	349	720
21	770	900	660	900	948	912	1030	823	856	740	444	654
22	760	878	490	910	996	900	1030	845	812	700	690	627
23	790	867	450	900	1100	856	1030	710	720	630	900	568
24	790	878	390	970	1070	845	936	627	663	560	730	568
25	780	840	500	920	924	856	936	760	700	1000	663	576
26	770	870	610	960	654	856	867	740	780	700	627	645
27	760	740	560	930	823	812	856	8830	720	640	609	710
28	760	520	720	880	912	812	889	2280	680	600	576	834
29	780	410	730	790	—	834	912	1300	700	550	552	834
30	845	170	720	500	—	834	984	1220	800	480	536	856
31	878	—	760	420	—	878	—	3760	—	420	506	—
Mean	758	818	703	869	918	953	948	1236	1113	767	497	566
Max.	900	960	1150	1200	1600	1800	1270	8830	2440	2600	900	856
Min.	592	170	120	420	450	410	770	627	663	420	349	349
A. F.	46600	48700	43200	53410	50990	58590	56430	75970	66240	47150	30570	33710

Total acre-feet 611600.

LOUP RIVER, NORTH, NEAR ST. PAUL—Sec. 22-15-10 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	596	850	160	680	130	1150	906	1040	1480	762	500	492
2	626	850	270	580	140	1330	906	962	962	775	509	448
3	692	825	340	440	300	1100	962	864	812	637	566	868
4	725	825	700	390	470	900	948	788	812	775	518	391
5	850	775	700	440	710	860	812	750	1240	800	557	360
6	948	788	850	620	880	360	838	775	2330	681	448	375
7	920	762	1100	760	930	390	812	800	2020	626	500	304
8	864	825	1130	810	1100	790	800	738	1580	703	368	284
9	838	825	920	810	1300	1730	800	825	2760	878	332	272
10	812	800	788	780	2000	1970	788	934	4070	892	566	422
11	850	934	490	800	2000	1500	838	878	1770	864	483	456
12	788	906	320	880	1840	1200	864	812	1650	725	448	483
13	738	892	500	940	1910	1130	934	788	1290	670	456	528
14	775	906	780	970	1580	1150	934	864	1130	750	439	537
15	775	1010	930	1000	1390	1220	948	948	1480	637	430	518
16	775	976	1100	990	1070	1190	1190	962	1370	3790	407	528
17	788	906	990	960	770	1130	1100	878	1070	2310	1010	576
18	788	838	990	900	570	1130	1120	775	976	1330	460	670
19	788	825	790	910	440	1070	1050	775	1040	920	375	750
20	812	878	790	940	600	1010	1040	788	878	838	352	762
21	825	892	780	980	770	892	976	892	920	775	368	762
22	750	878	420	1000	950	838	962	1010	878	738	596	725
23	738	838	380	1000	1400	800	1050	892	800	703	762	692
24	750	812	230	1100	1200	864	892	812	750	626	962	648
25	762	920	290	1100	1200	948	878	725	738	1480	762	615
26	775	920	260	1200	1000	948	878	920	838	838	692	615
27	775	670	400	1200	1000	934	775	6460	800	775	637	659
28	775	620	460	1100	1100	906	788	2920	750	725	586	775
29	775	520	590	980	—	920	864	1050	762	670	557	738
30	812	210	600	380	—	892	962	703	906	626	557	825
31	864	—	690	140	—	878	—	2870	—	576	518	—
Mean	785	816	636	832	1027	1036	919	1168	1295	932	539	564
Max.	948	1010	1130	1200	2000	1970	1190	6460	4070	3790	1010	825
Min.	596	210	160	140	130	360	775	703	738	576	332	272
A. F.	48300	48550	39130	51130	57020	63730	54670	71800	77080	57310	33170	32980

BUREAU OF IRRIGATION

LOUP RIVER, SOUTH, AT RAVENNA—Sec. 17-12-14 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	110	127	80	150	50	156	130	173	856	217	87	100
2	120	127	75	140	110	124	145	173	429	168	87	100
3	130	127	70	90	100	156	198	149	303	184	100	100
4	140	127	110	75	140	139	207	156	282	126	110	93
5	150	120	140	110	170	37	203	156	541	119	181	93
6	150	120	180	130	150	28	190	160	856	126	116	93
7	140	131	150	140	130	135	177	145	456	184	100	90
8	135	152	150	140	140	217	156	126	325	141	113	100
9	131	152	140	150	160	239	164	145	5900	141	116	96
10	131	160	85	160	310	217	137	149	4390	137	119	137
11	131	148	30	160	720	178	141	134	1670	149	463	110
12	131	148	80	150	542	193	141	149	838	164	350	100
13	135	131	80	180	334	183	149	141	541	145	731	100
14	135	124	239	190	239	160	160	186	416	130	190	103
15	135	131	290	190	222	156	190	177	1640	130	137	116
16	135	113	202	180	220	188	379	164	497	153	126	100
17	135	127	183	180	180	178	320	160	271	153	113	119
18	135	139	120	170	130	148	271	156	241	156	100	126
19	135	148	130	160	150	173	255	153	231	164	96	119
20	140	165	139	160	207	169	271	149	241	145	93	126
21	140	169	110	160	233	178	194	153	255	130	119	134
22	140	169	100	150	212	160	194	156	198	126	173	116
23	139	165	100	150	270	152	217	141	217	153	231	113
24	135	165	100	160	260	139	186	137	331	119	207	110
25	135	183	100	180	250	144	190	149	236	123	173	110
26	160	212	130	140	131	148	198	141	241	578	137	137
27	127	193	130	130	173	152	186	212	207	226	130	185
28	127	156	150	130	156	169	156	1180	177	226	130	314
29	131	148	140	110	---	173	156	1380	194	137	130	181
30	135	100	140	90	---	169	168	548	271	106	119	160
31	135	---	150	70	---	152	---	1510	---	90	110	---
Mean	135	146	130	144	217	158	194	284	775	160	167	123
Max.	160	212	290	190	720	239	379	1510	5900	578	731	314
Min.	110	100	30	70	50	28	130	126	177	90	87	90
A. F.	8310	8680	7980	8880	12080	9740	11560	17470	46120	9810	10290	7300

Total acre-feet 158200.

LOUP RIVER, SOUTH, AT ST. MICHAEL—Sec. 12-11-13 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	118	159	140	150	90	170	194	190	750	441	133	118
2	127	162	100	130	110	170	194	190	750	284	126	118
3	136	162	100	110	100	170	201	190	750	230	110	110
4	146	166	100	90	130	160	216	190	750	200	114	103
5	176	172	110	95	180	70	220	490	750	181	240	103
6	166	172	220	110	200	40	220	190	750	168	190	99
7	156	172	230	130	200	140	210	190	750	168	126	96
8	143	166	160	150	180	240	190	190	702	163	133	103
9	136	162	65	170	210	310	180	190	7600	168	145	106
10	140	166	55	170	290	243	194	190	5660	163	145	172
11	143	180	65	170	800	243	190	190	2960	163	529	145
12	149	186	110	170	780	243	197	190	1690	168	394	122
13	146	194	180	180	420	235	240	190	1080	163	331	118
14	146	180	250	200	340	240	240	190	750	158	273	122
15	146	183	310	220	308	230	240	190	2000	145	210	126
16	146	180	280	220	294	260	240	190	778	154	172	122
17	149	176	200	210	285	250	240	190	518	163	154	133
18	146	176	120	210	160	260	240	190	434	268	137	145
19	146	180	120	210	170	220	240	190	319	290	129	133
20	159	180	150	200	250	208	240	190	290	210	122	129
21	156	186	110	190	272	216	240	190	362	176	133	137
22	156	186	110	190	230	208	240	190	273	158	205	126
23	156	201	110	210	280	212	240	190	220	158	215	118
24	159	201	120	220	270	190	240	190	462	145	256	114
25	159	290	130	240	260	190	240	190	427	150	215	110
26	159	336	140	230	180	190	240	190	381	1050	181	126
27	159	227	140	200	190	200	240	190	307	1360	158	172
28	159	220	150	170	180	200	240	190	220	598	150	331
29	152	200	150	140	---	200	240	1300	205	337	150	220
30	152	200	140	100	---	194	240	1300	525	230	137	158
31	159	---	140	85	---	194	---	1300	---	163	122	---
Mean	150	191	145	170	263	205	224	333	1114	277	188	134
Max.	176	336	310	240	800	310	---	---	7600	1360	529	331
Min.	118	159	55	85	90	40	180	---	205	145	110	96
A. F.	9220	11350	8940	10450	14600	12590	13340	20490	66270	17010	11570	8000

Total acre-feet 203300.

REPORT OF THE STATE ENGINEER

MEDICINE CREEK AT CAMBRIDGE—Sec. 18-4-25 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	47	46	53	65	56	57	60	252	60	34	29
2	41	50	51	33	47	59	55	58	99	54	33	28
3	42	54	61	31	62	63	58	57	74	49	33	27
4	46	55	62	45	67	63	57	55	71	108	33	27
5	50	58	47	54	65	50	51	52	4390	119	219	27
6	45	57	35	50	63	99	48	51	360	64	36	27
7	45	62	30	50	180	66	47	53	224	56	56	27
8	45	60	28	46	201	64	46	54	142	52	51	30
9	46	59	30	52	138	64	45	58	1080	50	51	29
10	45	57	35	48	125	62	45	55	381	47	52	29
11	45	56	45	54	97	60	45	54	151	54	72	29
12	46	56	78	69	84	61	45	52	108	58	51	30
13	47	56	90	79	72	60	48	52	87	54	166	32
14	45	55	73	90	70	59	52	59	73	50	158	32
15	45	53	70	92	66	63	60	59	148	50	69	32
16	45	53	61	78	53	61	75	51	94	48	54	32
17	48	52	59	72	45	63	70	48	69	47	46	33
18	46	52	51	73	53	60	65	48	67	49	42	33
19	46	53	52	69	85	58	61	48	64	50	40	32
20	44	53	49	66	99	58	56	48	214	46	38	32
21	44	53	54	59	81	56	56	60	159	43	50	32
22	44	54	48	70	72	52	52	58	84	49	66	32
23	43	54	40	72	67	49	53	56	67	47	57	32
24	42	55	52	79	61	49	52	50	998	80	56	31
25	42	69	50	72	61	52	55	49	386	61	48	31
26	44	68	65	85	68	55	54	47	183	51	43	41
27	45	66	51	72	62	52	55	48	114	46	40	1150
28	45	63	53	73	59	56	58	51	82	46	37	897
29	45	58	48	72	—	56	58	50	67	44	35	179
30	46	73	56	45	—	58	63	52	66	40	33	104
31	45	—	60	40	—	59	—	2140	—	36	30	—
Mean	45	57	53	63	81	60	55	120	362	55	61	104
Max.	50	73	90	92	201	99	75	2140	4390	119	219	1150
Min.	36	47	28	31	45	49	45	47	64	36	30	27
A. F.	2740	3390	3230	3850	4490	3660	3260	7400	21530	3390	3750	6200

Total acre-feet 66890.

MELBETA DRAIN—Sec. 13-21-54 W.
Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	3	3	2	4	7
2	3	6	3	4	9
3	3	10	2	8	9
4	2	11	2	2	6
5	2	5	3	14	3
6	2	4	2	17	9
7	1	6	2	3	7
8	2	3	0	8	8
9	2	11	0	6	14
10	1	6	0	19	14
11	2	6	1	15	11
12	1	3	7	13	11
13	2	3	6	24	13
14	2	3	6	23	11
15	2	31	7	10	16
16	2	5	9	13	15
17	2	3	0	12	13
18	2	3	0	9	4
19	1	3	6	8	21
20	1	3	2	10	13
21	12	0	2	7	16
22	5	3	3	9	10
23	8	4	14	13	12
24	3	15	4	10	12
25	4	3	15	7	4
26	6	5	7	13	7
27	14	3	8	12	12
28	11	3	4	12	12
29	10	3	10	3	12
30	6	3	2	4	5
31	6	—	2	2	—
Mean	4	6	4	10	11
Max.	14	31	15	24	21
Min.	1	0	0	2	3
A. F.	240	340	260	623	630

Computed from one daily observation.

BUREAU OF IRRIGATION

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NEMAHA RIVER NEAR FALLS CITY—Sec. 22-1-16 E.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	116	133	110	140	250	777	351	581	951	3140	130	53
2	1660	133	110	150	250	3560	313	670	752	878	120	51
3	1930	133	110	150	270	2380	322	600	581	473	130	49
4	2230	135	230	150	260	1810	698	494	432	357	382	48
5	3640	135	370	150	260	1080	988	446	562	322	228	46
6	1440	135	320	150	260	833	790	426	802	841	163	44
7	619	139	290	150	260	544	690	3130	2620	558	133	43
8	375	143	330	150	300	752	559	3340	2510	291	114	48
9	245	143	350	150	357	760	436	1180	6710	283	102	58
10	225	141	240	150	299	860	363	1100	2350	266	2010	51
11	210	135	110	150	400	773	559	888	1850	283	1080	53
12	200	137	110	200	291	714	907	714	824	235	429	61
13	191	133	140	370	210	674	2090	807	589	261	235	63
14	188	126	170	520	203	611	1570	15600	522	222	177	61
15	177	126	170	620	205	5300	1300	10400	5830	191	133	58
16	168	130	140	570	179	3230	13500	3240	7180	177	124	53
17	163	135	170	470	179	1750	8540	1990	2510	683	122	54
18	150	135	170	440	181	888	2820	1290	1020	777	104	56
19	203	139	170	400	112	723	1120	982	1360	381	96	48
20	277	143	170	380	143	768	936	936	860	251	89	48
21	316	148	170	348	104	773	907	13400	828	191	85	51
22	773	152	170	288	203	666	815	10300	551	145	74	184
23	581	154	170	243	248	504	1830	6650	470	154	65	110
24	218	161	170	305	240	815	2270	2430	422	141	70	116
25	137	174	170	627	348	916	1210	4360	378	145	65	122
26	139	336	170	690	1260	596	1090	3040	339	1450	63	114
27	139	638	180	650	888	498	1010	3750	627	1270	61	198
28	139	250	180	351	635	409	756	2280	387	760	61	179
29	139	140	180	191	---	390	686	977	296	619	58	240
30	139	120	200	68	---	381	623	897	2630	537	56	319
31	137	---	170	190	---	369	---	723	---	177	54	---
Mean	557	166	191	308	314	1132	1668	3149	1591	531	220	89
Max.	3640	638	370	690	1260	5300	13500	15600	7180	3140	2010	319
Min.	116	120	110	68	104	369	313	426	296	141	54	43
A. F.	34240	9880	11720	18960	17440	69630	99270	193600	94700	32650	13510	5310

Total acre-feet 600900.

NINE MILE DRAIN NEAR MCGREW—Sec. 23-21-53 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	251	140	119	103	100	88	82	75	188	163	217	184
2	255	136	118	104	101	88	84	73	172	133	330	189
3	251	136	118	104	102	87	83	73	182	113	269	184
4	238	136	121	103	99	87	84	72	200	122	286	179
5	210	136	120	103	98	85	85	72	222	120	247	175
6	181	136	119	103	98	86	85	72	213	124	244	174
7	177	166	119	104	97	86	84	70	192	125	387	186
8	175	146	118	104	97	86	83	69	259	124	340	191
9	171	139	117	104	95	86	82	69	260	129	198	194
10	168	137	116	104	95	87	81	72	252	133	234	198
11	165	135	115	104	94	87	81	75	164	148	192	198
12	165	134	114	104	94	86	80	87	155	153	197	202
13	162	135	114	105	93	87	84	182	146	160	188	208
14	160	132	112	103	93	87	81	182	143	158	180	229
15	163	134	111	103	93	87	82	147	216	183	185	236
16	160	132	110	102	91	87	86	133	191	164	182	230
17	158	130	112	104	89	86	84	139	163	156	177	265
18	156	130	111	103	89	85	82	138	144	149	174	272
19	156	130	110	105	88	84	82	100	137	153	178	279
20	155	127	110	104	88	84	81	98	134	164	190	261
21	153	126	108	103	87	85	80	99	134	178	190	264
22	152	127	108	103	87	84	80	92	168	187	192	247
23	151	127	106	103	87	83	80	90	182	174	181	239
24	150	126	106	102	87	84	79	92	199	170	179	236
25	150	125	106	102	86	91	81	83	186	184	175	229
26	146	123	106	101	86	87	79	82	186	166	181	223
27	146	125	106	102	87	85	80	94	189	187	185	232
28	146	123	106	101	87	85	79	115	181	187	185	258
29	144	122	106	101	---	84	77	134	172	183	188	267
30	143	120	105	100	---	83	76	165	164	185	181	267
31	141	---	104	100	---	82	---	168	---	172	182	---
Mean	171	132	112	103	92	86	82	104	183	156	213	223
Max.	255	166	121	105	102	91	86	182	259	187	387	279
Min.	141	120	104	100	86	82	76	69	134	113	174	174
A. F.	10510	7880	6880	6330	5130	5270	4850	6370	10880	9610	13120	13280

Total acre-feet 100100.

REPORT OF THE STATE ENGINEER

NIOBRARA RIVER BELOW BOX BUTTE DAM—Sec. 28-29-49 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	29	41	30	36	44	56	55	19	18	11	.1
2	26	29	45	33	36	46	54	52	19	18	12	.1
3	27	27	46	36	36	44	52	48	19	17	13	.1
4	28	30	47	40	37	41	52	45	19	16	14	.1
5	29	31	47	40	39	40	49	44	21	15	18	.1
6	28	31	50	39	40	46	52	42	28	13	22	.1
7	22	36	52	37	47	47	54	42	26	12	27	.1
8	23	40	52	36	50	77	54	45	31	12	35	.1
9	23	38	50	33	64	114	52	37	35	13	29	.2
10	23	37	48	36	62	114	51	36	35	14	27	2.5
11	24	37	46	36	63	114	51	35	35	14	26	7.3
12	24	35	47	37	64	114	49	37	35	15	25	8.0
13	24	35	48	37	64	114	51	37	40	16	22	11.0
14	24	35	50	37	58	101	54	37	37	17	21	12.0
15	26	37	50	37	58	97	55	38	46	18	21	11.0
16	26	39	46	37	58	94	55	34	46	16	21	10.0
17	29	39	42	40	55	86	56	33	48	14	21	10.0
18	29	35	41	36	50	76	59	31	48	14	21	11.0
19	29	39	41	40	47	64	59	33	46	14	21	11.0
20	28	41	42	36	47	62	59	31	45	14	21	11.0
21	27	43	42	36	47	60	60	27	42	13	21	10.0
22	30	43	37	36	44	59	59	29	41	13	20	10.0
23	31	39	37	37	44	59	56	27	37	12	22	10.0
24	33	46	36	37	42	59	56	25	32	12	22	10.0
25	31	46	34	41	41	59	56	27	27	15	22	10.0
26	31	47	32	40	40	59	61	27	24	15	22	10.0
27	31	48	31	40	39	59	61	25	24	18	21	10.0
28	31	44	29	40	41	59	61	22	25	17	19	10.0
29	30	44	28	40	---	59	59	22	24	17	19	10.0
30	28	42	27	39	---	59	56	18	18	16	20	10.0
31	28	---	27	37	---	59	---	21	---	11	20	---
Mean	27	38	42	37	48	70	55	34	32	16	21	7.0
Max.	33	48	52	41	64	114	61	55	48	18	35	12.0
Min.	22	27	27	30	36	40	49	18	18	11	11	.1
A. F.	1680	2260	2560	2290	2680	4330	3290	2110	1930	980	1300	410.0

Total acre-feet 25820.

Record furnished by the United States Bureau of Reclamation.

NIOBRARA RIVER NEAR SPENCER—Sec. 30-33-11 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1080	1270	366	974	881	1660	1600	1500	1740	1230	773	773
2	1160	1250	353	814	739	2080	1650	1440	2780	1140	1040	773
3	1300	1230	457	788	899	2340	1570	1390	1850	995	1550	773
4	1230	1230	656	788	899	2040	1740	1250	1570	1180	2040	707
5	1600	1270	933	766	1200	1620	1710	1300	2040	1500	2510	827
6	1470	1270	1770	808	1440	1080	1680	1200	2810	1120	1500	755
7	1230	1320	2660	924	1570	796	1550	1230	2930	1100	1600	723
8	1160	1420	2370	1080	1570	946	1470	1160	2400	975	1650	955
9	1140	1470	1970	1240	1970	1180	1420	1320	2370	1600	1520	899
10	1180	1500	1360	1310	2510	2660	1390	1390	3180	1600	1300	1160
11	1180	1440	1000	1350	2780	8480	1910	1360	2620	1180	1100	863
12	1160	1500	962	1440	3100	8200	1740	1300	2890	1120	995	955
13	1160	1440	911	1570	2810	6670	1520	1250	2620	975	1140	935
14	1160	1440	1090	1610	2810	3230	1520	1500	3060	1100	1200	917
15	1160	1440	1420	1700	2930	2930	1560	1390	2850	1060	1180	917
16	1140	1340	1230	1600	2540	2550	2580	1270	2850	1080	2850	899
17	1140	1340	1330	1580	1940	2810	2850	1230	2480	1200	2040	917
18	1180	1320	1090	1620	923	2510	2340	1180	2340	1040	1200	1060
19	1200	1300	1040	1650	875	2230	2260	1180	2010	935	1080	1270
20	1270	1390	1090	1680	729	2230	2040	1740	1820	827	1040	1270
21	1300	1360	964	1680	1110	1940	1770	1880	1650	863	1880	1100
22	1250	1420	834	1600	1300	1880	1650	1440	1420	899	1550	995
23	1200	1420	780	1550	1970	1800	1650	1420	1390	917	1200	975
24	1230	1390	575	1770	2230	1800	1470	1360	1740	935	1080	1040
25	1180	1970	628	1740	2230	1850	1390	1390	1440	1080	975	995
26	1230	2170	664	1680	2170	1880	1470	1470	1270	1100	1020	975
27	1250	1100	554	1650	1550	1970	1420	1650	1270	1040	917	1160
28	1200	707	576	1570	1430	2100	1470	1650	1360	917	899	1500
29	1200	707	725	1550	-----	2100	1550	1360	1390	845	881	1420
30	1250	469	867	1360	-----	1850	1500	1320	1230	845	935	1300
31	1230	-----	989	1020	-----	1770	-----	1270	-----	773	881	-----
Mean	1220	1330	1039	1370	1754	2554	1714	1380	2112	1070	1340	994
Max.	1600	2170	2660	1770	3100	8480	2850	1880	3180	1600	2850	1500
Min.	1080	469	353	766	729	796	1390	1160	1230	773	773	707
A. F.	75010	79130	63900	84220	97400	157100	102000	84870	126700	65790	82370	59120

BUREAU OF IRRIGATION

PUMPKINSEED CREEK NEAR BRIDGEPORT—Sec. 12-19-50 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31	21	43	42	46	50	49	45	63	36	33	28
2	31	21	46	40	51	50	49	45	49	35	68	29
3	32	21	46	44	54	50	48	45	56	30	51	32
4	31	22	46	45	58	50	46	45	54	29	58	31
5	30	22	46	43	56	46	49	45	56	25	49	28
6	29	22	46	45	54	43	51	45	67	25	51	33
7	28	33	46	45	53	42	51	43	81	61	60	48
8	29	34	47	45	53	43	51	45	80	57	70	46
9	29	30	46	45	51	46	51	43	77	51	65	47
10	30	28	45	45	51	47	49	44	86	48	60	44
11	32	28	41	46	52	46	48	41	70	48	58	35
12	31	28	45	46	51	45	48	40	67	41	51	28
13	30	28	49	47	50	45	48	40	64	43	49	30
14	30	28	52	48	50	45	45	42	64	38	54	31
15	31	30	50	47	50	45	45	45	78	27	69	30
16	32	30	49	48	49	45	47	45	85	25	58	37
17	32	30	51	48	47	45	49	44	77	28	51	45
18	32	40	46	48	48	46	48	43	70	30	43	46
19	33	40	49	49	47	46	49	43	65	30	39	46
20	33	40	49	49	51	46	49	46	68	29	30	34
21	33	40	45	48	50	45	48	48	71	28	27	31
22	32	40	47	45	50	45	48	46	65	29	29	30
23	31	40	43	49	49	45	47	45	56	27	30	28
24	30	40	40	49	50	45	48	44	80	22	28	27
25	30	40	43	49	50	55	47	40	58	22	30	27
26	24	40	43	49	45	63	46	38	56	22	49	36
27	20	40	42	49	46	54	54	45	46	21	36	48
28	20	48	42	48	51	49	51	41	45	23	34	51
29	22	46	43	48	—	47	48	61	48	22	39	44
30	23	46	46	45	—	46	46	55	50	22	34	47
31	22	—	45	42	—	47	—	48	—	18	26	—
Mean	29	33	46	46	50	47	48	45	65	32	46	37
Max.	33	48	52	49	58	63	54	61	86	61	70	51
Min.	20	21	40	40	45	42	45	38	45	18	26	27
A. F.	1790	1980	2810	2850	2800	2900	2380	2750	3870	1970	2830	2180

Total acre-feet 31610.

RED WILLOW CREEK NEAR BAYARD—Sec. 7-20-51 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	221	103	90	85	77	68	59	54	170	194	218	118
2	228	105	90	85	75	68	61	50	142	176	316	126
3	249	103	90	85	78	67	63	50	232	103	241	135
4	236	106	90	83	82	66	63	50	239	71	203	122
5	185	110	90	83	77	63	66	50	282	66	188	112
6	130	110	90	82	77	63	64	48	320	49	221	110
7	124	200	90	82	75	63	63	46	206	46	266	127
8	127	124	90	81	76	63	62	46	239	52	163	126
9	127	110	90	81	76	64	62	46	230	47	126	150
10	127	110	90	81	75	66	59	46	237	47	228	187
11	126	108	90	81	75	66	59	46	114	60	210	195
12	124	106	90	80	75	66	59	46	94	71	210	204
13	122	105	90	80	75	66	63	48	96	95	180	213
14	118	103	90	80	75	66	62	50	112	83	121	215
15	122	103	90	81	75	66	62	112	274	81	120	206
16	120	103	90	81	70	64	68	195	228	86	103	232
17	118	103	90	82	70	62	68	187	130	88	87	258
18	116	103	90	82	70	61	64	156	88	88	90	251
19	116	105	90	82	69	60	62	164	80	99	86	253
20	115	102	90	80	70	61	61	164	74	110	96	236
21	112	102	90	78	67	61	60	135	82	106	105	262
22	112	102	90	78	66	61	59	99	183	96	110	256
23	110	102	90	80	67	60	58	76	170	98	98	262
24	109	102	90	81	67	60	53	57	180	83	91	260
25	108	101	90	78	64	72	58	38	118	82	106	251
26	106	101	90	77	64	68	57	40	127	55	120	262
27	106	103	90	77	66	63	58	95	188	64	112	286
28	105	100	90	77	67	61	57	115	185	92	102	348
29	101	100	90	76	—	60	54	115	212	88	102	278
30	99	100	90	76	—	59	55	110	213	85	109	222
31	101	—	90	76	—	59	—	146	—	81	112	—
Mean	133	108	90	80	72	64	61	86	175	85	150	209
Max.	249	200	—	85	82	72	68	195	320	194	316	343
Min.	99	100	—	76	64	59	54	38	74	46	86	110
A. F.	8170	6420	5530	4940	4010	3910	3620	5320	10400	5240	9200	12420

Total acre-feet 79180

REPORT OF THE STATE ENGINEER

RED WILLOW CREEK NORTH OF McCOOK—Sec. 6-4-29 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	12	18	22	24	22	22	26	40	14	10	9
2	12	15	24	18	26	25	22	25	35	14	10	9
3	12	16	25	17	26	28	22	24	30	14	10	9
4	14	16	25	20	26	28	22	24	26	14	11	8
5	16	18	21	23	25	28	23	23	923	14	40	8
6	16	18	24	21	50	22	23	23	402	14	11	8
7	16	20	24	22	70	30	23	22	74	14	10	8
8	15	20	24	22	40	32	23	22	55	14	10	8
9	15	20	24	18	40	30	24	20	288	10	14	8
10	15	21	24	21	38	30	23	20	83	13	25	8
11	15	21	16	24	36	30	22	26	55	13	15	8
12	15	22	23	22	36	26	23	23	50	13	250	8
13	15	22	32	24	36	26	24	23	45	13	234	9
14	15	22	27	24	37	26	24	23	40	13	17	9
15	15	22	28	22	37	27	27	22	38	13	13	9
16	13	22	28	28	37	28	30	23	34	13	13	9
17	13	22	29	27	37	28	32	22	32	13	13	9
18	13	22	26	27	34	27	33	22	29	13	13	9
19	13	23	27	27	30	26	33	22	28	13	13	9
20	13	22	30	27	38	26	32	21	26	13	11	9
21	13	23	24	27	28	26	31	23	25	12	16	9
22	13	23	18	23	26	26	30	22	23	12	18	9
23	13	23	21	22	24	24	30	42	21	12	25	9
24	13	24	24	26	24	23	28	28	476	12	25	9
25	13	26	23	30	24	23	27	26	64	12	22	9
26	13	28	25	24	20	24	26	26	28	11	19	73
27	13	24	24	24	20	24	26	25	23	11	13	561
28	13	26	19	25	24	24	26	25	21	11	13	110
29	13	21	23	21	—	24	26	25	20	11	13	60
30	13	16	25	14	—	24	26	30	20	11	13	38
31	13	—	20	20	—	22	—	470	—	11	13	—
Mean	14	21	24	23	33	26	26	39	102	13	30	35
Max.	16	28	32	30	70	32	33	470	923	—	250	561
Min.	—	12	16	14	20	22	22	20	—	—	—	—
A. F.	845	1250	1480	1410	1810	1600	1550	2380	6060	776	1850	2100

Total acre-feet 23110.

RED WILLOW CREEK NEAR RED WILLOW—Sec. 8-3-28 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	17	25	20	30	34	26	30	88	28	13	15
2	18	21	30	30	35	32	25	29	45	27	13	15
3	19	21	30	25	30	31	26	28	42	25	12	15
4	21	22	25	20	27	33	26	28	42	24	13	14
5	22	23	27	25	27	30	27	27	1080	24	410	14
6	20	23	30	25	33	25	27	28	725	23	25	14
7	21	25	33	25	109	30	27	27	177	20	20	13
8	21	25	30	30	44	35	27	26	92	20	19	13
9	20	25	30	25	40	32	28	25	359	19	19	12
10	19	25	31	35	38	33	28	25	200	18	74	12
11	19	26	25	35	35	34	28	26	98	20	24	12
12	20	25	30	40	36	33	28	25	75	20	21	12
13	20	26	30	33	38	34	28	24	65	20	673	12
14	21	26	34	31	38	34	29	25	54	21	37	13
15	21	26	34	30	38	35	31	24	55	19	24	12
16	20	25	32	34	38	35	35	25	48	19	22	12
17	17	26	32	30	38	34	33	24	44	19	21	13
18	17	26	37	30	37	34	36	24	43	18	20	13
19	17	26	33	30	30	32	36	23	39	18	19	12
20	17	26	33	30	35	32	34	22	52	18	18	12
21	17	26	30	30	35	31	33	25	34	17	19	13
22	17	26	25	31	33	30	33	23	32	18	20	13
23	17	26	25	23	33	29	32	62	30	17	20	13
24	17	27	25	31	32	29	31	37	575	16	21	13
25	17	31	25	37	33	29	31	34	144	16	21	13
26	17	30	25	29	32	28	29	33	52	16	19	56
27	17	30	25	29	29	28	30	32	36	15	18	681
28	18	31	25	28	39	27	30	31	33	14	18	477
29	17	30	25	25	—	27	29	32	30	14	17	131
30	17	25	30	20	—	26	30	32	29	14	16	51
31	17	—	25	25	—	26	—	1130	—	13	15	—
Mean	18	26	29	29	37	31	30	64	147	19	55	57
Max.	22	31	37	40	109	35	36	1130	1080	28	673	681
Min.	17	17	25	20	27	25	25	22	29	13	12	12
A. F.	1140	1520	1780	1770	2070	1910	1770	3940	8760	1170	3370	3410

Total acre-feet 32610.

BUREAU OF IRRIGATION

499

REPUBLICAN RIVER AT COLORADO-NEBRASKA LINE—Sec. 10-1-42 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	45	64	66	66	70	53	88	25	33	8	12
2	33	45	64	72	64	61	55	74	23	33	7	11
3	37	42	62	64	64	62	61	59	37	34	7	11
4	38	42	64	66	67	67	62	58	35	29	7	10
5	38	48	69	70	74	67	59	58	37	18	7	12
6	42	48	69	77	70	69	58	58	38	13	10	11
7	42	46	69	66	64	67	52	53	43	25	9	13
8	43	46	69	67	62	61	58	56	32	50	7	14
9	39	46	67	72	66	70	58	48	49	22	7	13
10	35	50	69	67	64	66	58	39	45	19	7	13
11	42	52	64	64	61	72	55	38	49	14	6	14
12	42	43	74	72	66	72	56	36	45	13	7	14
13	39	43	67	69	52	64	58	40	40	23	9	14
14	39	48	72	62	62	67	62	40	46	25	9	14
15	49	52	76	66	66	72	64	40	46	21	26	20
16	49	46	81	66	49	67	77	40	38	22	35	28
17	48	46	81	66	55	70	83	40	40	21	24	21
18	45	49	72	69	61	67	74	40	43	16	16	24
19	45	48	79	61	59	62	69	40	40	10	14	25
20	43	48	83	64	58	67	64	39	35	10	12	25
21	43	43	72	67	64	61	62	40	33	9	29	21
22	43	43	70	70	56	59	66	42	31	12	43	19
23	42	50	81	66	58	64	69	38	25	14	31	20
24	43	62	79	69	64	56	66	34	21	9	26	23
25	45	74	88	70	64	62	76	32	25	20	16	23
26	46	59	74	76	59	64	98	34	69	12	20	28
27	46	59	77	70	64	59	90	35	28	10	26	150
28	49	66	81	66	67	58	77	25	22	9	19	86
29	49	69	69	62	—	59	69	27	21	9	14	74
30	42	66	62	64	—	58	79	31	23	9	13	77
31	42	—	64	70	—	55	—	32	—	8	12	—
Mean	42	51	72	68	62	64	66	44	36	18	16	28
Max.	49	74	88	77	74	72	98	88	69	50	43	150
Min.	33	42	62	61	49	55	52	25	21	8	6	10
A. F.	2600	3020	4430	4160	3460	3960	3940	2690	2150	1130	955	1670

Total acre-feet 34160.

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN—Sec. 31-1-37 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	34	8	20	60	108	48	115	245	52	0	3
2	0	34	36	25	70	108	52	108	91	33	0	3
3	0	38	29	30	75	30	48	82	57	18	0	3
4	0	26	45	30	85	20	59	62	250	11	0	3
5	8	50	36	35	120	20	88	52	105	11	29	3
6	14	48	50	55	146	15	71	41	91	3	76	3
7	14	43	68	60	130	20	57	41	79	22	112	3
8	10	48	76	85	110	20	59	48	57	48	54	0
9	9	38	59	80	100	102	50	43	95	59	19	0
10	7	43	48	96	85	33	41	38	45	34	52	0
11	9	38	20	100	75	28	43	31	41	50	24	0
12	10	36	15	130	65	41	45	31	57	28	18	0
13	9	36	15	120	50	28	57	29	74	244	24	0
14	9	31	15	50	68	31	68	33	48	85	5	0
15	20	28	25	54	82	50	102	45	43	48	11	0
16	33	18	20	43	50	43	119	52	62	28	405	0
17	36	16	25	20	15	41	167	28	62	15	273	0
18	31	29	25	20	20	34	130	33	41	13	88	0
19	31	38	25	20	60	34	102	29	38	11	50	0
20	26	28	60	15	60	35	76	22	34	14	33	0
21	26	34	25	15	70	41	74	45	34	12	74	0
22	21	34	15	15	60	43	52	62	24	24	98	0
23	21	38	10	24	90	45	59	48	114	10	85	0
24	26	41	20	43	60	48	65	50	5500	7	52	0
25	26	33	25	115	40	43	88	33	118	6	43	0
26	31	15	20	82	15	48	108	68	102	5	22	0
27	36	29	15	82	115	38	122	62	85	3	22	0
28	29	45	15	65	105	34	108	34	62	1	21	8
29	26	36	25	33	—	38	76	36	38	0	15	18
30	33	26	30	45	—	34	112	38	28	0	8	43
31	26	—	35	50	—	45	—	176	—	0	6	—
Mean	19	34	30	53	74	42	78	52	257	29	56	3
Max.	36	50	76	130	146	108	167	176	5500	244	405	43
Min.	0	15	8	15	15	15	41	22	24	0	0	0
A. F.	1140	2040	1850	3280	4130	2570	4650	3200	15310	1780	3410	179

Total acre-feet 43540.

REPORT OF THE STATE ENGINEER

 REPUBLICAN RIVER AT MAX—Sec. 32-2-36 W.
 Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	91	350	85	130	200	115	385	502	80	4	30
2	44	111	290	75	210	235	115	343	317	80	4	30
3	57	124	250	85	349	219	134	210	336	80	4	30
4	73	134	220	120	363	177	131	169	502	80	4	30
5	86	128	200	130	349	138	165	165	407	70	120	10
6	64	111	450	130	356	145	165	157	323	70	120	5
7	59	131	430	140	210	177	153	149	298	70	120	5
8	55	115	95	170	153	205	138	145	246	100	120	5
9	52	111	80	190	153	169	134	157	330	100	120	5
10	48	111	65	240	138	161	128	141	304	100	120	5
11	46	102	40	380	141	173	118	131	186	100	50	5
12	52	108	140	570	169	149	118	124	186	100	50	5
13	57	105	210	713	177	138	134	128	219	70	50	5
14	50	102	120	323	165	141	145	138	161	70	50	5
15	53	134	110	229	161	161	181	181	145	70	50	5
16	86	131	130	191	153	157	274	191	134	70	210	30
17	102	115	100	195	100	145	407	173	128	70	210	30
18	94	110	110	224	100	128	235	141	128	70	210	30
19	80	120	140	251	65	121	173	121	121	35	210	30
20	80	120	134	246	130	128	153	108	111	35	210	30
21	80	120	110	150	150	134	153	157	100	35	210	30
22	71	120	100	140	100	157	134	169	91	35	140	25
23	83	100	70	130	130	177	134	169	88	35	90	25
24	88	110	20	130	100	165	161	121	4730	35	90	25
25	94	160	40	150	85	157	240	94	170	35	90	25
26	94	140	130	150	80	161	298	108	170	20	50	160
27	102	130	130	170	130	157	304	97	170	20	50	160
28	100	140	90	120	150	157	279	86	170	20	50	160
29	102	140	85	120	---	134	251	91	170	20	50	160
30	108	270	90	50	---	128	323	108	170	4	50	160
31	97	---	80	55	---	128	---	374	---	4	50	---
Mean	74	125	149	195	168	159	186	162	370	58	95	42
Max.	108	270	450	713	363	235	407	385	4730	---	---	---
Min.	36	91	20	50	65	121	115	86	---	---	---	---
A. F.	4550	7430	9140	12000	9320	9760	11090	9980	22040	3540	5860	2500

Total acre-feet 107200.

 REPUBLICAN RIVER AT CULBERTSON—Sec. 17-3-31 W.
 Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	75	30	65	100	194	106	330	320	78	0	7
2	8	61	40	85	120	224	101	310	300	78	0	3
3	16	72	60	70	400	200	115	181	350	106	0	1
4	28	61	130	80	650	208	120	150	1630	92	0	0
5	46	85	300	100	725	97	138	144	905	43	13	0
6	43	72	464	130	759	144	163	157	584	29	175	0
7	40	110	476	140	514	200	150	169	416	40	256	0
8	40	110	300	160	330	194	133	133	416	101	58	0
9	33	97	416	170	280	150	150	150	584	110	61	0
10	29	92	360	220	290	150	133	194	360	208	33	0
11	31	92	58	360	224	169	101	181	232	194	21	0
12	33	89	43	550	216	169	106	194	188	194	21	0
13	43	101	68	793	200	163	124	181	169	310	92	3
14	43	110	360	416	216	124	188	181	169	194	36	5
15	48	89	330	216	194	124	300	150	157	310	24	7
16	68	101	340	200	190	133	248	208	120	129	23	6
17	82	106	300	200	140	129	404	163	124	78	416	4
18	89	89	230	224	120	120	440	144	129	56	380	5
19	101	124	150	300	60	110	340	106	120	58	175	2
20	78	133	170	340	95	110	272	85	110	53	82	4
21	78	129	85	440	140	110	224	150	97	61	138	5
22	75	106	65	120	140	120	157	163	89	97	163	6
23	75	106	30	80	100	129	138	138	72	58	232	7
24	75	120	20	216	120	129	157	124	2610	29	248	9
25	68	163	15	416	100	129	188	120	691	31	157	7
26	50	160	25	280	100	144	264	101	232	24	92	9
27	65	100	35	310	130	138	290	82	169	12	58	58
28	78	100	55	190	150	138	280	97	133	12	48	370
29	75	150	55	160	---	138	340	110	82	5	46	138
30	92	40	60	140	---	133	300	110	78	4	36	124
31	89	---	75	100	---	129	---	232	---	1	8	---
Mean	56	101	166	235	243	147	206	159	388	90	100	26
Max.	101	163	476	793	759	224	440	330	2610	310	416	370
Min.	5	40	15	65	60	97	101	82	72	1	0	0
A. F.	3420	6040	10200	14420	13490	9020	12250	9790	23080	5540	6130	1550

Total acre-feet 114900.

BUREAU OF IRRIGATION

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REPUBLICAN RIVER NEAR BLOOMINGTON—Sec. 8-1-15 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	110	274	200	340	260	524	391	831	7010	1810	168	135
2	121	270	210	310	200	535	400	792	3280	1980	156	119
3	124	274	230	300	244	553	391	768	1790	1450	200	96
4	141	274	250	290	380	576	391	774	1240	1390	190	81
5	162	274	270	280	390	620	396	756	2060	922	138	73
6	187	278	400	260	460	480	400	738	12000	1040	116	59
7	187	282	484	280	690	520	400	867	8330	838	631	53
8	187	286	594	295	880	490	405	558	2850	630	654	57
9	184	298	618	300	1020	530	405	518	1690	1250	372	50
10	190	306	547	310	845	564	441	506	3890	1080	377	42
11	193	306	524	360	750	570	426	490	2920	535	377	41
12	190	323	474	420	696	553	400	474	1640	624	558	37
13	190	323	358	440	678	541	386	599	1240	1290	600	37
14	190	318	529	410	648	529	400	1410	1040	1200	872	33
15	190	306	447	560	630	529	441	798	2380	1050	784	32
16	190	310	462	730	612	524	576	535	3260	1210	696	28
17	190	318	490	700	588	512	726	484	1670	1010	405	29
18	197	327	541	710	582	490	732	452	1110	831	282	29
19	197	336	553	684	563	479	714	447	845	618	230	24
20	203	332	570	642	541	457	798	468	726	512	197	23
21	223	345	530	624	468	447	708	605	624	462	259	22
22	237	354	415	594	452	436	1840	462	732	410	298	21
23	241	367	270	541	541	426	1600	410	642	372	263	19
24	248	396	200	582	541	410	780	410	1850	336	263	18
25	256	447	180	518	618	410	792	426	9580	327	252	18
26	259	484	260	506	594	415	714	421	4370	314	227	21
27	263	484	320	553	588	405	642	421	2070	318	217	24
28	270	475	330	560	535	396	654	396	1410	286	210	2290
29	263	400	330	520	-----	391	792	358	1140	244	184	2770
30	263	300	370	500	-----	382	887	345	908	217	156	1240
31	267	-----	350	470	-----	391	-----	345	-----	198	141	-----
Mean	204	336	397	471	571	487	634	576	2810	798	321	249
Max.	270	484	618	730	1020	620	1840	1410	12000	1980	764	2770
Min.	110	270	180	260	200	382	386	345	624	193	116	18
A. F.	12520	19970	24410	28940	31700	29920	37740	35430	167200	49090	19740	14800

Total acre-feet 471500.

REPUBLICAN RIVER NEAR HARDY—Sec. 6-1S.-5 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	196	306	140	230	300	782	456	1090	462	1090	355	207
2	216	303	190	370	300	746	448	1120	4510	1120	318	187
3	248	296	320	360	390	706	470	914	2380	2070	285	170
4	229	303	344	350	370	688	488	875	1750	1420	261	154
5	248	314	325	370	300	610	488	831	1540	1310	271	127
6	254	333	409	400	380	480	474	837	4310	1180	274	106
7	244	337	448	380	585	600	502	850	7510	968	260	96
8	219	337	540	340	590	782	488	1020	3950	1200	240	96
9	274	340	621	350	856	770	474	1000	2860	1450	488	102
10	254	337	450	360	1260	682	465	770	1920	961	638	113
11	251	356	340	360	1230	665	461	734	2470	1370	439	100
12	248	384	300	380	1070	638	456	800	2740	1010	479	87
13	251	392	470	430	1000	600	452	734	1690	794	574	91
14	254	409	520	490	934	605	448	7510	1350	940	654	78
15	248	409	474	550	800	595	465	2960	1620	1470	605	76
16	244	409	535	650	740	579	844	1660	5230	1510	479	72
17	232	409	492	1000	540	585	728	1060	3160	13900	934	80
18	238	413	443	1070	530	585	699	831	1870	2830	682	87
19	244	417	443	981	560	574	819	752	1440	1660	497	67
20	254	422	488	837	590	564	813	682	1610	1200	392	56
21	261	434	480	752	610	554	794	3620	1120	894	333	51
22	267	417	400	665	554	554	2710	3000	907	770	288	51
23	281	430	280	600	574	488	3130	1130	806	665	278	53
24	288	410	260	579	746	520	2590	831	862	595	340	51
25	292	430	200	590	700	549	1270	711	1330	511	303	51
26	292	440	180	705	500	530	995	717	6260	535	226	48
27	292	360	220	654	660	506	961	995	2390	569	248	61
28	292	400	250	585	710	502	882	711	2060	494	244	87
29	292	350	250	579	-----	492	800	595	1480	376	248	542
30	306	250	210	440	-----	470	831	525	1320	409	235	1590
31	306	-----	160	390	-----	470	-----	488	-----	364	235	-----
Mean	259	372	361	542	656	596	863	1302	2450	1472	390	158
Max.	306	440	621	1070	1260	782	3130	7510	7510	13900	934	1590
Min.	196	250	140	230	300	470	448	488	462	364	226	48
A. F.	15900	22110	22180	33320	36450	36630	51370	80080	145800	90510	24010	9400

Total acre feet 567800.

REPORT OF THE STATE ENGINEER

ROCK CREEK AT PARKS—Sec. 21-1-39 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	12	15	13	14	13	14	19	14	12	11	11
2	12	12	14	13	14	13	14	17	14	12	11	11
3	12	11	15	13	14	13	14	16	16	12	11	11
4	13	12	15	13	15	14	14	15	16	12	11	12
5	13	12	15	13	15	13	13	15	17	13	14	12
6	12	12	15	13	16	13	14	15	16	12	15	11
7	11	13	15	13	15	13	14	15	15	18	14	11
8	11	12	15	13	15	14	13	14	15	16	13	11
9	14	12	15	13	15	13	13	14	16	15	12	11
10	15	12	15	13	15	14	13	14	16	14	12	11
11	14	12	14	13	14	14	13	14	15	14	12	11
12	12	12	14	14	14	14	14	14	15	14	12	12
13	12	12	14	13	14	14	14	14	14	14	14	12
14	12	13	14	13	13	14	14	14	14	14	13	12
15	12	13	14	14	13	15	15	14	14	14	14	11
16	13	13	13	15	12	15	17	14	14	13	13	11
17	13	14	13	15	13	14	17	14	14	13	13	11
18	13	14	13	16	13	14	17	14	13	13	12	11
19	12	15	13	16	13	13	16	14	13	13	12	11
20	13	15	13	16	13	13	16	13	13	13	12	11
21	12	15	14	15	13	13	16	14	13	13	15	11
22	12	15	13	14	12	13	16	14	12	13	14	11
23	13	15	13	15	12	13	16	14	12	13	13	11
24	12	15	13	16	12	14	16	14	12	12	13	12
25	12	15	13	15	13	13	18	13	12	12	12	12
26	13	15	13	15	12	13	18	13	12	12	12	12
27	13	15	13	16	13	13	18	13	12	12	12	33
28	13	15	13	14	13	13	18	13	12	12	12	23
29	13	15	14	13	—	13	17	14	12	12	11	18
30	13	15	14	16	—	13	18	14	11	11	11	18
31	12	—	13	15	—	13	—	15	—	11	11	—
Mean	12	13	14	14	14	14	15	14	14	13	12	13
Max.	15	15	15	16	16	15	18	19	17	18	15	33
Min.	11	11	13	13	12	13	13	13	11	11	11	11
A. F.	772	799	853	871	754	827	912	881	821	801	768	766

Total acre-feet 9820.

SAPPA CREEK NEAR BEAVER CITY—Sec. 14-1-23 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13.0	9.5	8.0	9.0	11.0	24.0	7.3	16.0	11.0	1050.0	7.5	2.3
2	14.0	9.1	8.0	8.0	10.0	23.0	6.9	15.0	10.0	783.0	7.1	2.2
3	14.0	8.7	10.0	8.0	11.0	20.0	6.9	15.0	10.0	191.0	6.8	2.2
4	14.0	9.1	14.0	7.0	11.0	19.0	6.8	15.0	12.0	260.0	6.4	2.1
5	16.0	9.5	13.0	7.0	11.0	19.0	7.1	13.0	101.0	167.0	94.0	1.9
6	15.0	9.7	13.0	7.0	12.0	18.0	7.3	16.0	48.0	45.0	52.0	1.8
7	15.0	11.0	12.0	7.0	12.0	13.0	7.9	18.0	25.0	37.0	34.0	1.6
8	15.0	11.0	12.0	8.0	14.0	14.0	8.3	16.0	21.0	51.0	35.0	1.4
9	14.0	11.0	12.0	7.0	12.0	15.0	8.7	16.0	20.0	106.0	68.0	1.3
10	13.0	11.0	12.0	8.0	12.0	13.0	8.1	20.0	18.0	297.0	46.0	1.1
11	13.0	12.0	12.0	9.0	12.0	12.0	8.3	32.0	16.0	238.0	38.0	.9
12	12.0	12.0	12.0	9.0	12.0	12.0	8.7	20.0	15.0	206.0	31.0	1.0
13	12.0	15.0	12.0	10.0	12.0	11.0	8.3	16.0	14.0	222.0	27.0	1.2
14	12.0	13.0	11.0	11.0	11.0	11.0	8.9	16.0	13.0	352.0	23.0	1.0
15	12.0	14.0	11.0	12.0	11.0	11.0	11.0	16.0	14.0	123.0	9.7	.6
16	11.0	14.0	12.0	13.0	11.0	11.0	13.0	16.0	13.0	72.0	8.3	.6
17	11.0	13.0	11.0	13.0	10.0	11.0	20.0	14.0	11.0	44.0	7.7	.4
18	10.0	14.0	12.0	12.0	10.0	11.0	18.0	13.0	11.0	29.0	6.6	.5
19	10.0	14.0	11.0	13.0	10.0	11.0	16.0	13.0	11.0	24.0	5.8	.5
20	11.0	14.0	10.0	13.0	11.0	11.0	14.0	12.0	10.0	22.0	5.6	.6
21	10.0	15.0	10.0	12.0	15.0	9.7	13.0	13.0	10.0	21.0	5.5	.6
22	9.7	15.0	10.0	11.0	15.0	10.0	38.0	13.0	9.0	18.0	5.2	.6
23	9.7	16.0	10.0	9.0	15.0	9.1	72.0	13.0	7.9	17.0	5.2	.5
24	10.0	17.0	10.0	8.0	13.0	8.9	72.0	13.0	25.0	16.0	5.0	.4
25	9.5	19.0	10.0	9.0	12.0	7.9	28.0	14.0	72.0	15.0	4.2	.5
26	9.3	17.0	9.0	9.0	12.0	7.9	21.0	13.0	140.0	14.0	4.2	.6
27	9.5	11.0	10.0	10.0	19.0	7.3	17.0	13.0	64.0	13.0	3.9	.9
28	9.1	8.0	10.0	11.0	24.0	8.3	17.0	11.0	31.0	11.0	3.4	1.0
29	8.9	9.0	10.0	11.0	—	8.1	18.0	11.0	26.0	10.0	3.2	.7
30	8.7	8.0	9.0	11.0	—	8.9	16.0	11.0	453.0	8.3	2.8	1.5
31	8.7	—	9.0	11.0	—	8.1	—	12.0	—	7.7	2.6	—
Mean	11.6	12.3	10.8	9.8	12.5	12.4	17.1	15.0	41.4	144.0	18.2	1.08
Max.	16.0	19.0	14.0	13.0	24.0	24.0	72.0	32.0	453.0	1050.0	94.0	2.3
Min.	8.7	8.0	8.0	7.0	10.0	7.3	6.8	11.0	7.9	7.7	2.6	.4
A. F.	714.0	733.0	664.0	601.0	696.0	762.0	1020.0	922.0	2460.0	8870.0	1120.0	64.0

SCOTTSBLUFF DRAIN NO. 1

Sec. 25-22-55 W.

Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	5	14	11	12	15
2	5	9	10	11	12
3	5	10	8	10	15
4	5	9	8	10	15
5	5	9	9	11	15
6	5	13	8	11	15
7	4	13	11	12	18
8	4	13	9	15	18
9	5	18	11	14	17
10	7	18	15	14	18
11	5	20	14	5	18
12	5	20	13	5	17
13	6	24	12	8	20
14	6	12	12	12	21
15	9	15	12	12	20
16	10	19	11	12	20
17	8	19	10	12	21
18	10	9	7	12	21
19	8	12	13	11	22
20	8	12	13	12	21
21	7	11	13	11	19
22	9	8	12	11	20
23	8	11	10	12	20
24	12	13	11	14	20
25	9	12	10	13	21
26	8	7	14	13	20
27	6	9	13	12	19
28	8	8	12	12	26
29	8	8	12	15	26
30	9	11	13	16	23
31	9	—	12	15	—
Mean	7	13	11	12	19
Max.	12	24	15	16	26
Min.	4	7	7	5	12
A. F.	430	770	690	720	1140

Computed from one daily observation.

SHEEP CREEK NEAR MORRILL—Sec. 16-23-57 W.

Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	105	94	83	78	74	77	71	72	84	8	5	7
2	109	92	83	79	75	78	71	70	81	8	5	8
3	109	94	86	80	75	76	70	71	86	8	5	8
4	104	94	86	80	75	76	70	71	87	8	5	8
5	100	94	88	80	76	75	74	71	103	8	5	8
6	100	90	89	80	76	73	76	71	102	8	5	8
7	106	106	87	82	76	73	75	71	102	8	43	9
8	106	89	86	85	76	73	75	70	100	9	68	10
9	104	86	84	84	75	75	74	69	103	9	6	10
10	102	86	84	84	70	75	73	70	91	10	6	12
11	102	86	84	84	69	73	72	70	90	10	6	16
12	103	86	84	84	70	71	73	70	86	9	8	17
13	102	86	86	84	70	71	82	70	83	8	8	18
14	101	86	87	84	71	71	77	70	82	9	10	18
15	102	86	87	81	75	71	76	71	108	9	10	16
16	102	86	87	83	74	70	82	71	93	9	10	20
17	100	86	86	81	75	70	81	71	87	11	10	16
18	98	86	84	81	76	70	78	70	86	10	10	51
19	96	86	84	83	77	69	79	70	84	34	10	105
20	95	86	85	81	78	68	78	70	79	157	17	104
21	93	86	85	81	76	68	77	70	80	132	14	105
22	98	85	86	81	74	68	76	70	78	83	13	109
23	100	86	86	84	75	68	75	28	78	79	12	107
24	93	89	83	80	76	69	73	6	77	97	12	107
25	90	87	82	77	76	69	81	5	86	35	12	105
26	86	87	80	78	76	69	76	5	116	8	14	105
27	91	87	79	77	77	70	75	5	36	4	12	110
28	91	86	79	76	77	69	73	5	12	4	10	110
29	94	85	79	77	—	73	73	5	11	4	8	110
30	95	84	76	76	—	70	73	47	8	4	7	110
31	94	—	76	74	—	70	—	91	—	27	7	—
Mean	99	88	84	81	75	72	75	56	80	27	12	52
Max.	109	106	89	85	78	78	82	91	116	157	68	—
Min.	86	84	76	74	69	68	70	5	8	4	5	7
A. F.	6090	5250	5160	4960	4150	4400	4480	3460	4760	1640	737	3070

Total snow-fall 48160

SILVERNAIL DRAIN

Sec. 6-19-49 W.

Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	4	14	18	9	9
2	4	15	9	10	10
3	4	19	5	31	9
4	4	15	3	31	9
5	4	20	2	28	6
6	4	20	2	37	6
7	4	8	3	18	9
8	4	9	25	12	14
9	4	17	16	10	12
10	4	36	18	22	8
11	4	12	26	39	11
12	4	23	13	29	12
13	4	16	22	12	14
14	5	23	14	11	12
15	5	22	18	18	15
16	5	21	12	15	16
17	4	26	14	11	15
18	4	4	17	10	21
19	5	4	17	10	25
20	5	4	12	14	15
21	5	4	10	17	24
22	4	12	10	12	21
23	4	9	17	10	23
24	4	10	19	10	18
25	9	8	18	12	26
26	10	17	17	12	12
27	6	11	7	17	24
28	19	14	8	16	27
29	24	9	19	17	27
30	14	2	16	7	33
31	9	---	6	11	---
Mean	6	14	13	17	16
Max.	24	36	26	39	33
Min.	4	2	2	7	6
A. F.	380	840	820	1030	960

Computed from one daily observation.

SPOTTED TAIL CREEK, DRY

Sec. 28-23-56 W.

Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	28	50	43	55	72
2	28	45	43	107	104
3	28	45	43	80	83
4	28	78	42	63	94
5	60	60	44	80	90
6	28	70	43	198	86
7	65	82	45	83	92
8	61	45	44	88	87
9	54	60	41	69	90
10	25	40	41	69	111
11	30	40	41	53	98
12	30	38	42	74	96
13	37	38	54	65	91
14	36	38	47	88	97
15	36	76	50	111	100
16	45	71	44	88	94
17	39	52	50	99	94
18	40	38	54	99	107
19	45	37	62	69	110
20	37	36	154	78	99
21	34	36	113	99	99
22	34	34	59	88	98
23	34	41	55	78	98
24	30	61	51	78	85
25	24	42	55	78	90
26	29	42	63	74	98
27	30	48	45	96	99
28	30	40	45	99	100
29	42	50	59	93	113
30	40	42	63	100	99
31	59	---	67	71	---
Mean	38	49	55	86	96
Max.	65	82	154	198	112
Min.	24	34	41	53	72
A. F.	2310	2930	3380	5300	5700

Computed from one daily observation.

STINKING WATER CREEK NEAR WAUNETA—Sec. 17-6-35 W.

Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	17	27	19	15	26	21	28	23	13	9	8
2	12	17	23	17	18	26	21	24	20	12	9	8
3	12	17	21	17	21	26	21	21	19	11	9	8
4	14	18	23	21	25	30	24	20	25	11	9	8
5	15	18	24	21	29	28	27	19	121	12	14	8
6	15	20	25	21	36	22	28	19	104	10	13	8
7	14	21	25	21	34	25	27	19	59	10	16	8
8	14	21	25	22	32	26	24	21	49	11	16	8
9	14	20	25	25	32	26	22	23	62	14	14	8
10	14	20	23	25	33	26	21	23	69	11	14	8
11	13	19	24	28	31	26	20	21	71	11	13	8
12	14	19	26	28	31	26	21	20	48	12	12	8
13	14	19	25	28	30	26	24	19	32	14	12	8
14	14	20	28	28	29	26	27	22	28	14	11	10
15	18	19	29	26	29	26	27	26	26	13	13	10
16	16	19	25	26	27	26	36	26	24	12	13	10
17	16	19	25	25	20	25	52	26	23	12	12	10
18	16	19	21	22	20	24	43	23	26	12	11	10
19	16	21	18	26	20	23	39	21	26	11	11	10
20	16	21	18	24	26	22	34	20	22	10	11	10
21	16	21	16	21	25	22	26	23	21	10	14	9
22	16	21	18	25	25	22	22	27	19	10	20	9
23	16	21	16	28	26	22	21	26	17	9	15	9
24	16	21	17	28	26	22	21	22	16	12	13	9
25	16	27	16	31	23	21	22	20	16	12	11	10
26	16	27	18	27	21	22	26	19	15	14	10	26
27	16	26	17	26	25	23	29	22	14	12	10	53
28	16	26	17	22	25	22	36	27	13	12	10	42
29	17	26	16	16	---	22	32	38	13	12	10	35
30	17	26	18	17	---	22	31	31	13	12	10	34
31	17	---	18	17	---	21	---	26	---	10	10	---
Mean	15	21	22	24	26	24	28	23	34	12	12	14
Max.	18	27	29	31	36	30	52	38	121	14	20	53
Min.	11	17	16	16	15	21	20	19	13	---	---	---
A. F.	926	1240	1320	1440	1460	1490	1640	1430	2050	716	744	813

STREVER CREEK—Sec. 1-8-20 W.

Water Year Ending September 30, 1945

Day	May	June	July	Aug.	Sept.
1	10	154	25	13	18
2	9	85	22	20	17
3	7	61	21	24	22
4	7	24	20	13	15
5	9	33	17	16	12
6	7	36	17	17	12
7	7	82	19	8	3
8	7	76	21	8	3
9	4	114	26	16	18
10	8	200	25	14	26
11	7	300	26	16	26
12	8	200	28	13	30
13	8	122	24	13	26
14	9	62	22	13	36
15	9	18	21	36	40
16	10	69	22	35	38
17	9	59	26	35	34
18	9	48	31	30	30
19	9	42	30	30	22
20	8	33	28	22	22
21	9	31	23	23	23
22	8	30	23	42	23
23	7	26	22	21	24
24	9	44	15	18	23
25	6	34	12	17	57
26	12	32	20	27	58
27	32	31	16	26	58
28	26	30	14	16	32
29	32	30	14	13	30
30	22	31	14	11	30
31	75	—	10	11	—
Mean	13	71	21	20	27
Max.	75	300	31	42	58
Min.	4	18	10	8	3
A. F.	790	4240	1300	1220	1600

Computed from one daily observation.

TUB SPRINGS BELOW ENTER-
PRISE CANAL
Sec. 32-23-55 W.

Water Year Ending September 30, 1945

Day	Oct.	May	June	July	Aug.	Sept.
1	55	34	27	72	64	21
2	73	32	33	50	74	26
3	92	32	47	35	63	23
4	108	34	53	19	67	22
5	98	31	51	3	76	18
6	96	34	57	0	76	26
7	87	34	60	3	100	29
8	82	32	92	6	77	26
9	82	32	191	1	54	31
10	87	32	93	1	72	28
11	78	55	94	2	43	25
12	78	52	86	10	30	27
13	78	50	99	23	24	28
14	77	27	68	27	21	31
15	82	23	107	44	18	34
16	76	23	66	48	24	36
17	75	27	67	44	25	34
18	73	24	70	43	19	34
19	74	17	52	75	22	36
20	73	21	38	81	30	36
21	64	32	42	108	22	36
22	60	27	52	88	19	37
23	60	26	53	62	19	38
24	60	1	63	47	17	40
25	60	1	57	43	19	40
26	60	0	52	47	19	43
27	60	0	64	58	19	64
28	60	3	66	57	19	96
29	60	9	67	50	18	89
30	60	9	71	47	18	85
31	60	19	—	39	19	—
Mean	74	25	68	40	38	38
Max.	108	55	191	108	100	96
Min.	55	0	27	0	17	18
A. F.	4540	1530	4040	2460	2350	2260

Computed from automatic recorder record.

WINTERS CREEK—Sec. 30-23-54 W.
Water Year Ending September 30, 1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	166	68	75	59	56	53	46	47	75	42	61	80
2	164	66	75	59	57	53	46	46	74	47	30	80
3	152	66	73	59	58	53	46	46	81	26	69	61
4	134	66	73	60	58	52	46	46	86	26	103	58
5	106	65	72	60	58	51	47	46	117	19	106	56
6	99	65	72	60	58	51	47	47	111	24	104	71
7	104	77	73	60	57	51	46	47	114	37	199	82
8	104	84	75	59	56	51	46	47	120	35	174	87
9	100	83	77	59	53	52	46	47	123	27	59	91
10	96	84	76	61	56	54	46	48	96	28	71	80
11	90	85	77	63	56	58	46	46	131	87	32	76
12	89	83	77	63	55	53	46	46	64	85	39	87
13	90	83	79	63	55	53	51	66	85	42	78	119
14	86	85	81	62	56	53	48	89	89	52	63	119
15	88	85	79	61	55	53	48	96	106	53	65	110
16	87	83	79	60	53	52	51	82	82	32	64	114
17	83	81	81	61	52	51	49	62	66	16	51	107
18	81	81	79	61	51	50	48	42	63	19	56	100
19	84	81	79	61	52	48	48	42	62	39	76	102
20	77	81	81	60	51	48	48	51	78	46	81	97
21	76	80	78	58	51	48	48	29	70	58	71	86
22	80	81	68	59	52	48	48	13	53	58	70	86
23	78	81	65	60	51	47	47	12	60	62	69	97
24	78	81	64	61	53	48	46	11	62	61	70	93
25	80	81	64	61	52	50	49	11	53	65	34	89
26	73	76	62	61	52	46	48	12	53	65	108	85
27	72	80	62	61	52	46	47	38	56	57	87	87
28	71	79	61	59	51	46	46	33	51	58	69	104
29	71	76	61	58	—	47	46	21	42	65	61	114
30	69	73	61	56	—	47	47	50	45	48	69	147
31	69	—	60	56	—	46	—	67	—	46	68	—
Mean	94	78	72	60	54	50	47	48	78	43	32	93
Max.	166	85	81	63	58	58	51	131	123	65	199	147
Min.	69	65	60	56	51	46	46	11	42	16	51	56
A. F.	5750	4640	4440	2690	2990	2900	2910	2950	4250	2920	5000	5540

REPORT OF THE STATE ENGINEER

ARIKAREE RIVER AT HAIGLER—Sec. 28-1-41 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20.0	12.0	11.0	20	15.0	13	8.1	40.0	27.0	9.6	1.0	1.0
2	14.0	11.0	9.2	20	15.0	10	8.5	39.0	30.0	11.0	1.0	1.0
3	11.0	12.0	3.0	20	20.0	12	8.1	36.0	53.0	12.0	1.0	1.2
4	9.6	12.0	1.0	20	20.0	11	5.5	28.0	50.0	11.0	1.0	1.4
5	10.0	12.0	2.0	20	20.0	3	5.5	23.0	33.0	300.0	1.0	1.2
6	11.0	11.0	2.0	20	20.0	7	7.1	27.0	23.0	23.0	1.0	1.4
7	10.0	10.0	4.0	20	20.0	13	8.5	38.0	16.0	28.0	1.0	4.0
8	11.0	14.0	8.0	20	20.0	8	11.0	30.0	11.0	487.0	0.5	8.5
9	11.0	14.0	3.0	20	20.0	27	23.0	48.0	8.5	21.0	0.5	5.5
10	9.2	14.0	4.0	20	20.0	25	25.0	50.0	9.2	2.7	0.5	5.2
11	8.1	11.0	3.0	12	20.0	24	17.0	48.0	10.0	0.4	0.5	10.0
12	7.8	9.2	3.0	12	25.0	22	16.0	30.0	8.1	0.0	0.1	11.0
13	7.1	6.4	2.0	12	25.0	19	15.0	22.0	6.1	0.1	0.1	10.0
14	8.1	3.7	2.0	12	25.0	17	14.0	14.0	3.1	8.5	0.1	8.5
15	8.1	4.0	2.0	12	25.0	34	12.0	9.6	1.4	8.9	0.1	7.4
16	8.1	8.9	2.0	12	25.0	154	17.0	14.0	1.6	8.9	0.0	7.8
17	7.8	7.1	2.0	12	25.0	95	18.0	22.0	1.6	10.0	0.0	6.1
18	8.1	6.1	2.0	20	25.0	62	11.0	26.0	107.0	10.0	0.0	6.4
19	8.1	5.2	2.0	20	27.0	44	8.5	28.0	228.0	1110.0	0.0	7.4
20	7.8	9.6	2.0	20	27.0	39	7.1	20.0	27.0	69.0	0.0	7.8
21	7.8	6.1	2.0	20	20.0	33	6.4	21.0	16.0	44.0	0.4	7.4
22	8.5	5.8	1.5	20	15.0	32	4.6	21.0	14.0	44.0	0.4	6.4
23	8.9	4.9	1.5	20	13.0	33	3.4	289.0	12.0	24.0	0.4	5.5
24	9.2	4.9	1.5	20	13.0	29	3.1	198.0	9.6	16.0	0.4	5.2
25	10.0	15.0	1.5	15	14.0	32	3.1	29.0	10.0	12.0	0.4	4.9
26	11.0	14.0	1.5	15	11.0	53	3.4	25.0	6.7	9.2	0.4	6.4
27	10.0	9.2	1.5	15	9.6	32	2.2	23.0	5.5	7.4	0.6	5.5
28	10.0	9.6	1.5	15	14.0	23	6.1	108.0	5.8	5.8	0.6	5.5
29	9.6	11.0	10.0	15	-----	16	5.5	109.0	6.4	4.3	0.6	5.2
30	9.6	10.0	10.0	15	-----	12	4.9	48.0	7.4	2.4	0.6	2.9
31	12.0	-----	10.0	15	-----	10	-----	36.0	-----	1.6	0.6	-----
Mean	9.8	9.5	3.4	17.1	19.6	30.5	9.6	48.4	24.9	74.3	0.5	5.6
Max.	20.0	15.0	-----	-----	-----	154.0	25.0	289.0	228.0	1110.0	-----	11.0
Min.	7.1	3.7	-----	-----	9.6	3.0	2.2	9.6	1.4	0.0	0.0	1.0
A. F.	600.0	563.0	212.0	1050.0	1090.0	1870.0	572.0	2970.0	1480.0	4570.0	29.0	333.0

Total acre-feet 15340

BAYARD SUGAR FACTORY DRAIN NEAR BAYARD—Sec. 4-20-52 W
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	133	43	40	34	32	28	26	29.0	28.0	34	28	28
2	77	43	39	34	32	28	24	41.0	28.0	25	30	33
3	70	43	39	34	31	28	25	32.0	26.0	14	37	32
4	62	42	39	34	31	28	25	30.0	26.0	15	36	32
5	60	42	38	34	22	28	26	29.0	14.0	24	35	31
6	59	41	38	33	32	28	26	27.0	15.0	22	35	30
7	57	42	38	33	32	28	27	28.0	12.0	20	34	33
8	56	42	38	33	31	28	27	25.0	8.8	23	30	33
9	56	40	37	33	30	28	28	22.0	7.0	24	27	39
10	53	41	36	33	29	30	26	22.0	7.6	23	26	41
11	50	41	35	33	30	30	26	22.0	7.3	24	34	41
12	49	40	35	32	30	30	26	23.0	8.8	24	35	40
13	49	39	35	34	31	31	26	22.0	10.0	30	35	41
14	50	38	34	34	31	31	26	22.0	10.0	47	41	41
15	51	38	33	34	32	35	26	22.0	10.0	44	42	41
16	49	38	34	34	32	42	26	28.0	12.0	39	41	36
17	47	38	34	33	31	34	26	30.0	18.0	39	40	34
18	47	38	34	33	31	32	26	26.0	32.0	41	39	81
19	44	38	32	32	30	31	24	24.0	50.0	36	38	69
20	47	38	36	32	30	30	22	15.0	62.0	37	38	57
21	46	37	35	31	30	30	23	8.8	66.0	41	37	62
22	47	36	34	31	30	30	23	8.2	58.0	38	36	66
23	47	37	34	30	30	31	22	10.0	54.0	35	34	69
24	49	37	35	31	30	31	20	22.0	69.0	32	32	72
25	47	38	35	32	28	32	22	9.9	68.0	32	30	68
26	46	38	34	30	28	30	31	5.5	64.0	30	28	67
27	45	39	35	30	28	28	28	5.2	58.0	28	27	67
28	45	39	35	30	28	28	35	7.9	39.0	26	26	66
29	45	39	40	30	-----	26	36	12.0	27.0	28	30	67
30	44	40	38	30	-----	28	29	22.0	34.0	28	30	66
31	44	-----	35	31	-----	26	-----	28.0	-----	28	30	-----
Mean	53.9	39.5	35.9	32.3	30.1	29.9	26.1	21.2	31.0	30.0	33.6	49.4
Max.	133.0	43.0	40.0	34.0	32.0	42.0	36.0	41.0	69.0	47.0	42.0	81.0
Min.	44.0	36.0	32.0	30.0	22.0	26.0	20.0	5.2	7.0	14.0	26.0	28.0
A. F.	3310.0	2350.0	2210.0	1990.0	1670.0	1840.0	1550.0	1310.0	1840.0	1850.0	2060.0	2940.0

Total acre-feet 24920

BUREAU OF IRRIGATION

507

BEAVER CREEK NEAR BEAVER CITY—Sec. 23-2-23 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	1.0	1.0	1.5	1.5	3.0	5.9	4.0	100.0	8.4	2.5	0.3
2	0.8	1.0	1.0	1.0	1.0	3.5	6.1	4.3	66.0	11.0	2.5	0.3
3	0.9	1.1	1.0	0.5	0.5	6.0	6.3	4.3	37.0	146.0	2.5	0.3
4	0.8	1.3	1.0	0.5	1.0	6.0	6.1	3.3	26.0	122.0	2.0	0.3
5	0.8	1.3	1.0	0.5	1.5	1.0	5.9	3.2	17.0	271.0	2.6	0.4
6	0.5	1.2	1.0	1.0	0.5	1.0	6.6	2.7	9.7	368.0	1.7	0.4
7	0.4	1.2	1.5	2.0	1.5	1.0	5.5	2.8	5.1	306.0	1.4	0.4
8	0.3	0.9	2.0	2.0	1.0	2.0	4.9	3.3	3.5	202.0	1.0	1.8
9	0.2	0.7	2.0	4.5	1.0	4.5	4.3	5.9	3.2	114.0	0.9	0.8
10	0.3	0.8	2.0	1.5	2.0	5.0	3.5	4.7	2.9	32.0	0.7	1.0
11	0.3	1.0	1.5	1.5	4.0	5.0	3.5	4.3	2.9	12.0	0.5	0.8
12	0.3	0.9	1.5	1.5	4.5	5.5	3.2	4.2	3.2	3.6	0.4	0.5
13	0.4	0.8	1.5	2.0	2.0	4.3	4.0	4.0	3.2	2.6	0.3	2.4
14	0.3	0.8	1.5	2.0	5.0	4.3	3.5	3.5	3.0	2.8	0.3	9.3
15	0.5	0.7	1.5	1.5	4.0	4.2	3.6	3.7	2.9	34.0	0.3	58.0
16	0.4	0.8	1.5	1.0	3.0	5.0	3.6	3.9	2.7	52.0	0.3	157.0
17	0.4	0.8	3.5	1.5	4.0	5.0	3.3	3.6	2.4	34.0	0.3	214.0
18	0.4	0.7	4.5	2.0	6.0	5.0	3.6	3.7	2.4	28.0	0.3	42.0
19	0.4	0.7	3.5	1.5	6.0	14.0	3.7	3.7	3.9	64.0	0.3	24.0
20	0.3	0.8	3.0	1.5	1.5	14.0	3.6	4.0	7.5	22.0	0.2	12.0
21	1.0	0.5	1.5	2.0	1.0	9.7	3.6	3.9	7.2	34.0	0.2	6.6
22	1.1	0.5	1.0	1.5	1.0	6.9	3.6	4.0	7.2	49.0	0.2	3.5
23	1.0	0.5	1.0	2.0	2.5	6.1	3.7	4.7	46.0	46.0	0.1	1.2
24	0.8	0.5	1.0	2.0	2.5	6.9	3.0	4.3	22.0	34.0	0.2	1.1
25	0.8	0.5	0.0	2.0	2.5	5.9	2.6	4.2	7.8	14.0	0.2	1.3
26	0.8	0.5	0.0	2.0	3.5	5.9	2.6	4.5	15.0	4.3	0.1	1.8
27	0.9	0.5	0.0	1.5	3.5	5.1	2.7	4.2	93.0	9.3	0.2	2.5
28	0.8	0.5	0.5	1.5	2.5	5.3	2.7	4.0	22.0	4.0	0.1	3.2
29	0.6	1.0	0.5	1.5	-----	5.5	2.7	14.0	14.0	3.5	0.2	62.0
30	0.8	1.0	1.5	1.5	-----	5.3	3.0	337.0	9.3	3.3	0.2	30.0
31	1.0	-----	2.5	1.5	-----	6.1	-----	129.0	-----	3.0	0.2	-----
Mean	0.6	0.8	1.5	1.6	2.5	5.4	4.0	18.8	18.3	65.8	0.7	21.3
Max.	1.1	1.3	4.5	4.5	6.0	14.0	6.6	337.0	100.0	368.0	-----	214.0
Min.	0.2	0.5	0.0	0.5	0.5	1.0	2.6	2.7	2.4	2.6	-----	-----
A. F.	38.0	49.0	92.0	99.0	140.0	333.0	240.0	1150.0	1090.0	4050.0	45.0	1270.0

Total acre-feet 8600

BEAVER CREEK AT LORETTO—Sec. 26-21-7 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	44	45	52	40	35	61	62	40	91	34	23	30
2	43	46	57	45	30	62	59	51	71	32	22	29
3	42	45	45	55	30	64	54	62	65	32	23	31
4	41	46	45	60	25	63	53	57	59	34	44	31
5	40	46	50	65	30	62	51	52	54	36	40	31
6	40	47	52	60	30	62	51	50	50	35	38	29
7	39	46	52	60	25	64	51	51	46	34	33	30
8	38	47	52	55	40	66	50	48	42	34	33	40
9	37	47	43	50	25	63	50	51	40	32	33	68
10	39	47	35	50	30	68	50	79	38	29	32	48
11	40	48	40	50	45	68	62	69	38	28	30	38
12	40	52	40	50	50	75	71	62	38	28	31	42
13	40	53	35	40	50	76	61	54	37	28	31	52
14	40	52	35	40	45	74	56	49	36	27	33	56
15	42	49	35	40	62	72	53	47	35	28	32	45
16	43	48	30	40	60	86	52	47	36	30	31	39
17	43	48	35	45	64	135	50	44	36	31	30	36
18	42	47	35	50	64	150	48	43	46	31	29	36
19	42	47	35	45	62	112	47	41	55	29	27	54
20	41	46	35	40	69	93	46	41	56	28	27	56
21	41	40	35	40	56	81	45	41	52	27	28	44
22	40	35	35	35	59	78	45	41	45	26	30	40
23	40	40	35	45	61	77	44	44	41	25	30	40
24	41	45	35	40	60	72	44	82	38	24	30	40
25	43	45	40	40	60	68	43	72	38	24	31	38
26	43	50	40	40	62	81	43	59	42	26	31	37
27	44	53	40	30	60	111	43	52	38	26	32	35
28	44	54	40	45	56	89	41	49	36	25	34	34
29	44	50	40	55	-----	77	40	60	36	26	32	36
30	45	50	40	50	-----	69	40	678	35	24	31	38
31	44	-----	40	25	-----	65	-----	428	-----	23	31	-----
Mean	42	47	41	46	48	79	50	85	46	29	31	40
Max.	45	54	57	65	69	150	71	678	91	36	44	68
Min.	37	35	30	25	25	61	40	40	35	23	22	29
A. F.	2550	2800	2500	2830	2670	4850	2990	5240	2720	1780	1910	2390

Total acre-feet 35230

REPORT OF THE STATE ENGINEER

BEAVER CREEK AT GENOA—Sec. 14-17-4 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	68	65	78	55	45	94	100	68	361	65	30	43
2	66	65	80	55	40	87	92	73	261	63	28	45
3	65	67	79	70	40	87	86	85	134	61	27	46
4	65	67	74	65	35	87	84	86	110	61	28	46
5	62	67	73	90	45	88	80	91	103	61	34	47
6	62	68	75	85	40	89	79	86	98	61	55	44
7	61	69	77	90	40	89	79	81	92	61	48	54
8	60	69	73	85	55	90	78	78	87	62	40	52
9	58	69	65	75	50	88	78	79	83	60	45	64
10	58	68	50	70	60	91	79	80	79	58	43	163
11	58	69	60	60	65	90	81	81	76	53	48	88
12	61	69	60	50	65	97	82	101	74	51	48	83
13	63	70	60	45	60	98	89	99	72	50	67	162
14	64	71	55	55	50	102	99	93	73	48	60	204
15	65	72	50	35	60	105	93	83	72	50	55	127
16	65	72	40	35	60	107	88	80	70	54	48	80
17	65	71	35	50	70	110	85	78	69	50	48	67
18	66	68	40	55	70	116	84	80	565	50	50	61
19	63	68	45	65	75	139	81	75	574	50	43	70
20	63	68	30	65	70	150	80	73	200	48	41	128
21	61	68	35	60	80	123	76	69	105	48	40	98
22	60	55	35	45	90	117	73	67	96	45	37	81
23	61	60	40	60	95	109	72	72	88	44	38	72
24	62	70	40	55	110	105	72	170	80	36	39	66
25	63	70	50	50	110	114	70	209	73	32	40	62
26	64	80	50	35	110	121	70	136	78	34	41	61
27	64	80	55	35	100	105	69	109	403	33	42	60
28	64	80	55	60	98	114	70	96	113	33	42	60
29	64	72	55	55	-----	134	67	91	73	33	50	60
30	64	73	55	55	-----	220	66	690	68	32	46	60
31	65	-----	60	35	-----	148	-----	271	-----	30	45	-----
Mean	62.9	69.3	55.8	58.1	67.4	110	80.1	117	148	48.9	43.4	78.5
Max.	68.0	80.0	80.0	90.0	110.0	220	100.0	690	574	65.0	67.0	204.0
Min.	58.0	55.0	30.0	35.0	35.0	87	66.0	67	68	30.0	27.0	43.0
A. F.	3870.0	4130.0	3430.0	3570.0	3740.0	6770	4760.0	7200	8780	3010.0	2670.0	4670.0
Total acre-feet	56600											

BIRDWOOD CREEK NEAR HERSHEY—Sec. 2-14-33 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	190	146	169	155	100	156	153	247	134	85	97	129
2	156	146	169	155	130	162	140	159	134	92	101	129
3	153	143	166	155	150	162	150	159	137	123	108	132
4	159	143	162	155	162	162	146	169	140	115	123	132
5	166	146	169	155	166	162	162	169	143	123	137	132
6	150	146	176	155	146	186	166	172	137	137	143	129
7	143	143	176	153	156	172	172	176	134	129	108	143
8	129	143	172	159	162	156	169	176	126	110	81	261
9	129	140	160	156	156	172	182	176	140	118	86	243
10	140	140	160	166	153	186	190	160	140	115	85	166
11	150	146	160	156	150	193	182	150	129	115	123	166
12	134	162	160	150	150	176	190	146	129	118	120	162
13	134	166	160	153	146	159	193	166	105	112	126	166
14	143	159	160	146	156	162	179	162	101	115	123	162
15	150	159	160	137	162	166	172	153	108	120	112	143
16	159	159	160	150	156	227	172	159	101	123	101	134
17	156	153	160	159	150	169	172	179	164	118	101	134
18	159	146	160	159	159	143	169	162	327	118	101	153
19	153	143	160	162	162	146	166	150	215	118	101	156
20	153	140	160	153	169	162	169	156	172	123	101	129
21	150	140	160	150	176	179	169	120	162	123	101	140
22	156	140	160	159	169	190	162	115	137	118	112	123
23	156	140	160	162	162	150	146	153	129	118	123	126
24	146	153	160	146	156	156	150	160	129	156	123	137
25	156	153	160	156	169	156	148	162	118	196	126	143
26	153	166	160	153	153	156	148	166	120	193	134	137
27	146	159	160	156	146	150	148	153	120	176	126	132
28	143	166	160	156	153	162	146	162	120	118	126	126
29	134	159	160	159	-----	162	156	207	113	132	129	120
30	134	166	160	75	-----	162	159	172	86	105	126	120
31	134	-----	160	85	-----	156	-----	146	-----	97	123	-----
Mean	149	150	163	150	154	166	164	163	138	124	114	147
Max.	190	166	-----	166	176	227	193	247	327	196	143	261
Min.	129	140	-----	75	100	143	140	115	86	85	81	120
A. F.	9150	8950	9990	9220	8580	10230	9770	10040	8240	7650	6990	8740
Total acre-feet	107600											

BUREAU OF IRRIGATION

509

BLACKWOOD CREEK NEAR CULBERTSON—Sec. 10-3-31 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	---	---	---	---	---	---	13.0	12.0	0.9	0.6
2	---	---	---	---	---	---	---	---	12.0	13.0	1.5	1.1
3	---	---	---	---	---	---	---	---	12.0	21.0	2.0	2.4
4	---	---	---	---	---	---	---	---	14.0	50.0	2.5	1.5
5	---	---	---	---	---	---	---	---	14.0	56.0	3.2	1.2
6	---	---	---	---	---	---	---	---	11.0	13.0	1.4	0.5
7	---	---	---	---	---	---	---	---	5.6	8.6	1.8	1.0
8	---	---	---	---	---	---	---	---	4.0	57.0	4.4	3.1
9	---	---	---	---	---	---	---	---	3.6	19.0	1.8	86.0
10	---	---	---	---	---	---	---	---	4.0	2.9	0.4	80.0
11	---	---	---	---	---	---	---	---	3.0	4.3	0.3	6.1
12	---	---	---	---	---	---	---	---	1.3	7.0	0.2	4.4
13	---	---	---	---	---	---	---	---	0.6	7.1	0.4	7.6
14	---	---	---	---	---	---	---	---	0.9	7.5	0.3	9.3
15	---	---	---	---	---	---	---	---	0.5	25.0	0.6	7.8
16	---	---	---	---	---	---	---	---	0.5	17.0	2.0	8.2
17	---	---	---	---	---	---	---	---	8.1	24.0	3.4	7.6
18	---	---	---	---	---	---	---	---	65.0	14.0	4.1	7.2
19	---	---	---	---	---	---	---	---	62.0	13.0	4.9	6.4
20	---	---	---	---	---	---	---	---	8.6	12.0	4.4	7.4
21	---	---	---	---	---	---	---	---	7.5	10.0	1.9	10.0
22	---	---	---	---	---	---	---	---	6.6	6.2	2.1	11.0
23	---	---	---	---	---	---	---	---	2.6	7.0	3.6	10.0
24	---	---	---	---	---	---	---	---	5.2	3.1	2.2	4.2
25	---	---	---	---	---	---	---	---	8.4	1.7	0.8	2.3
26	---	---	---	---	---	---	---	---	10.0	1.1	6.1	2.7
27	---	---	---	---	---	---	---	---	10.0	0.4	2.6	2.3
28	---	---	---	---	---	---	---	---	12.0	0.5	2.0	2.0
29	---	---	---	---	---	---	---	---	24.0	0.8	2.8	1.0
30	---	---	---	---	---	---	---	93.0	10.0	1.4	1.0	0.3
31	---	---	---	---	---	---	---	23.0	---	0.7	0.6	---
Mean	---	---	---	---	---	---	---	---	11.3	13.4	2.1	9.8
Max.	---	---	---	---	---	---	---	---	65.0	57.0	6.1	86.0
Min.	---	---	---	---	---	---	---	---	0.5	0.4	0.2	0.3
A. F.	---	---	---	---	---	---	---	---	674.0	826.0	131.0	536.0

Total acre-feet 2220

BLUE CREEK NEAR LEWELLEN—Sec. 30-16-42 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	95	93	103	95	106	100	85	94	60.0	0.4	0.2	4.2
2	88	86	101	95	104	98	84	88	51.0	0.2	0.2	5.4
3	87	83	101	95	95	98	86	76	56.0	0.3	0.2	1.5
4	73	83	100	85	93	97	88	71	59.0	0.3	0.2	1.1
5	72	84	100	95	92	96	89	73	59.0	19.0	0.2	1.1
6	70	83	100	97	86	98	88	76	56.0	12.0	0.2	0.9
7	63	82	100	91	107	100	88	77	53.0	20.0	0.2	0.7
8	54	81	100	91	102	91	86	63	50.0	22.0	0.3	14.0
9	55	85	100	91	92	95	92	48	36.0	79.0	18.0	69.0
10	49	90	100	90	93	92	100	54	16.0	61.0	16.0	40.0
11	50	94	90	90	92	94	88	61	6.4	50.0	18.0	32.0
12	52	94	80	84	91	95	87	63	3.9	42.0	21.0	21.0
13	50	94	70	94	87	95	86	46	2.0	27.0	38.0	29.0
14	50	94	65	93	89	94	84	32	0.8	24.0	49.0	30.0
15	55	94	60	91	94	94	84	32	0.4	19.0	26.0	30.0
16	55	97	60	91	98	112	84	30	0.6	6.4	1.3	25.0
17	54	97	55	93	95	110	85	31	0.4	3.0	0.6	14.0
18	51	97	55	94	96	107	88	32	1.1	0.8	0.4	34.0
19	55	94	55	96	95	101	90	32	22.0	0.5	0.3	70.0
20	63	98	55	93	93	100	89	31	10.0	0.6	0.3	54.0
21	62	94	60	89	100	101	86	32	1.3	0.5	0.3	47.0
22	64	90	60	93	101	103	88	32	0.2	0.4	0.3	47.0
23	74	95	60	97	98	97	85	28	0.2	0.4	0.6	43.0
24	71	100	65	96	98	94	82	58	9.2	0.3	0.5	46.0
25	74	104	70	105	98	98	74	83	2.2	0.3	0.1	46.0
26	81	104	75	96	98	107	60	75	0.5	0.3	0.1	44.0
27	94	104	80	95	95	101	60	56	0.4	0.3	9.6	42.0
28	94	104	90	96	98	98	67	48	0.2	0.5	10.0	41.0
29	97	105	90	98	---	92	67	55	0.3	0.4	10.0	41.0
30	95	105	95	86	---	90	67	76	0.5	0.2	8.4	40.0
31	96	---	95	88	---	88	---	70	---	0.2	4.5	---
Mean	69.1	93.6	80.3	93.3	95.9	97.9	82.9	55.6	18.6	12.6	7.6	30.5
Max.	97.0	105.0	103.0	105.0	107.0	112.0	100.0	94.0	60.0	79.0	49.0	70.0
Min.	49.0	81.0	55.0	84.0	86.0	88.0	60.0	28.0	0.2	0.2	0.1	0.7
A. F.	4250.0	5570.0	4940.0	5740.0	5330.0	6020.0	4930.0	3420.0	1110.0	776.0	466.0	1810.0

Total acre-feet 44360

REPORT OF THE STATE ENGINEER

BLUE RIVER, BIG, NEAR CRETE—Sec. 3-7-4 E.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	943	.....	.....	.....	.....	.....	.....	.....	.....	2620	.....	.....
2	895	.....	.....	.....	.....	.....	.....	.....	.....	2000	.....	.....
3	760	.....	.....	.....	.....	.....	.....	.....	.....	1320	.....	.....
4	765	.....	.....
5	640	.....	.....	.....	.....	.....	.....	.....
6	1190	.....	.....	.....	.....	.....	.....	.....
7	1200	.....	.....	.....	.....	.....	.....	.....
8	1380	.....	.....	.....	.....	.....	.....	.....
9	1230	.....	.....	.....	.....	.....	.....	.....
10	940	.....	.....	.....	.....	.....	.....	.....
11	762	.....	.....	.....	.....	.....	.....	.....
12	685	.....	.....	.....	.....	.....	.....	.....
13	785	.....	.....	.....	.....	.....	.....	.....
14
15
16
17	650	.....	.....	.....	.....	.....	.....
18
19	1600	.....	.....	.....
20	3380	.....	.....	.....
21	5350	.....	.....	.....
22	3780	.....	.....	.....
23	3010	.....	.....	.....
24	2290	.....	.....	.....
25	2100	.....	.....	.....
26	2480	.....	.....	.....
27	1810	.....	.....	.....
28	1430	.....	.....	.....
29	1430	.....	.....	.....
30	2410	.....	.....	.....
31

BLUE RIVER, BIG, AT BARNSTON—Sec. 13-1-7 E.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	746	167	47	180	169	330	237	164	290	2430	189	79
2	986	139	154	200	170	297	219	185	192	2780	127	210
3	943	185	208	170	216	195	145	239	185	2260	101	150
4	875	190	223	180	321	308	215	181	195	1740	55	143
5	707	178	225	200	234	272	181	174	213	1200	143	146
6	536	219	236	240	329	604	178	302	165	863	103	152
7	531	133	257	460	717	521	186	120	109	894	115	162
8	504	247	159	220	1240	480	193	164	182	585	133	169
9	360	133	264	220	1210	459	197	285	135	588	105	213
10	226	155	248	270	1280	406	206	272	247	406	101	265
11	305	144	106	410	1170	392	172	208	234	402	206	191
12	246	185	114	330	1010	287	190	144	108	345	350	157
13	220	255	178	340	738	385	184	160	116	255	349	110
14	216	581	190	350	576	359	212	156	136	214	279	112
15	198	188	200	260	783	244	184	356	114	201	272	187
16	234	217	140	250	664	353	161	468	65	6850	336	164
17	133	230	90	300	526	528	238	162	194	3010	244	206
18	154	191	130	239	412	776	170	196	131	636	236	300
19	109	222	110	246	386	753	243	161	338	635	195	199
20	182	148	120	271	413	548	206	255	936	632	254	196
21	164	202	130	259	394	449	206	116	2460	757	207	186
22	167	207	130	180	385	365	220	131	3650	449	197	211
23	153	160	140	250	442	377	330	166	4370	293	184	191
24	167	139	160	276	274	383	233	202	3830	267	167	174
25	169	130	150	229	350	325	148	182	3180	224	189	161
26	154	225	190	249	352	259	206	282	2700	162	183	164
27	96	205	120	223	338	323	148	219	2380	207	89	162
28	129	228	160	197	341	256	141	203	2200	201	102	155
29	226	196	190	272	.....	230	154	160	2120	193	215	89
30	135	1	180	167	.....	193	175	83	1810	169	118	167
31	112	.....	170	233	.....	326	.....	249	.....	179	152	.....
Mean	325	195	165	254	551	387	196	205	1100	972	184	172
Max.	986	581	264	460	1280	776	330	468	4370	6850	350	300
Min.	96	1	47	167	169	193	141	83	65	162	55	79
A. F.	20000	11600	10150	15610	30620	23770	11660	12590	65420	59760	11300	10260

Total acre-feet 282700

BUREAU OF IRRIGATION

511

BLUE RIVER, LITTLE, NEAR ENDICOTT—Sec. 6-1-3 E.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	214	132	154	110	140	152	144	133	214	255	141	93
2	185	132	160	110	130	150	146	136	370	223	132	88
3	169	136	160	120	160	154	141	136	315	195	127	99
4	159	114	157	150	183	149	142	136	259	187	127	92
5	149	127	164	150	271	167	139	128	206	191	124	101
6	150	121	157	150	381	196	139	136	183	291	122	113
7	139	118	169	200	412	169	141	121	169	480	126	147
8	139	104	178	210	385	164	142	122	151	954	136	770
9	128	120	150	180	291	157	144	122	144	1130	124	1130
10	127	120	140	180	250	155	144	124	136	934	132	1380
11	130	120	80	160	240	152	147	124	146	663	251	1420
12	130	120	100	160	229	147	146	117	124	407	187	835
13	138	120	100	130	202	146	146	117	128	321	182	481
14	133	120	120	100	185	147	146	113	124	271	164	405
15	155	130	100	140	180	146	147	115	124	241	150	1150
16	144	132	85	180	198	159	147	111	120	277	142	1390
17	134	130	60	150	173	160	147	120	115	440	132	1110
18	152	128	70	140	160	164	147	149	127	1030	122	735
19	121	130	60	140	159	154	144	121	191	992	117	493
20	118	133	70	130	160	159	138	115	1570	522	114	390
21	121	128	80	130	159	154	141	113	2170	435	113	330
22	126	117	80	140	157	154	134	121	1070	361	103	293
23	130	117	80	140	159	152	134	128	626	306	111	335
24	130	108	80	140	155	150	132	127	452	290	108	306
25	130	113	90	130	157	154	133	277	460	260	106	271
26	130	120	75	130	157	150	132	223	517	235	108	247
27	130	126	85	150	157	147	133	196	313	220	111	219
28	130	130	85	160	154	147	136	403	265	200	114	204
29	130	141	90	140	-----	149	133	291	267	171	115	198
30	130	152	95	140	-----	147	133	239	245	160	108	171
31	134	-----	110	150	-----	150	-----	212	-----	147	104	-----
Mean	140	125	109	146	205	155	141	156	377	413	145	500
Max.	214	152	178	210	412	196	147	403	2170	1130	251	1420
Min.	118	104	60	100	130	146	132	111	115	147	103	88
A. F.	8600	7420	6710	9000	11390	9520	8370	9570	22420	25370	8040	29740
Total acre-feet	156200											

BUFFALO CREEK NEAR HAIGLER—Sec. 20-1-40 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12.0	7.3	7.5	11.0	10.0	9.2	9.2	14.0	8.3	7.9	4.2	4.8
2	9.4	8.5	7.5	10.0	9.2	9.4	9.7	9.4	9.7	7.9	2.4	4.5
3	9.2	8.3	7.1	10.0	11.0	9.4	9.2	8.9	9.7	8.3	2.8	5.5
4	9.2	7.9	7.1	10.0	11.0	9.4	9.4	8.5	9.2	9.2	4.6	4.3
5	8.7	7.9	6.9	10.0	9.7	10.0	9.4	8.7	8.7	11.0	4.8	5.5
6	8.3	7.7	6.9	9.9	10.0	12.0	9.4	9.2	8.5	8.3	5.6	3.8
7	8.3	7.7	7.1	10.0	10.0	11.0	9.4	8.5	7.5	8.7	2.9	2.9
8	8.3	7.9	7.5	11.0	12.0	14.0	9.7	8.7	6.5	11.0	1.5	3.5
9	8.5	7.9	8.0	10.0	12.0	12.0	11.0	14.0	6.7	8.3	1.0	2.4
10	8.5	7.9	10.0	9.9	12.0	11.0	9.4	12.0	6.7	6.7	1.0	2.3
11	8.5	7.9	11.0	8.9	12.0	11.0	8.9	8.3	6.9	6.2	1.7	2.2
12	8.5	7.9	9.0	8.0	12.0	10.0	8.9	9.2	6.7	6.0	1.4	2.6
13	8.5	7.9	9.0	9.0	12.0	10.0	9.2	8.7	6.7	5.8	1.3	4.6
14	8.7	7.9	9.0	11.0	11.0	10.0	8.3	7.7	6.7	5.8	1.3	4.6
15	8.5	8.3	10.0	10.0	10.0	14.0	7.9	6.5	6.7	6.9	1.1	4.6
16	8.5	8.3	12.0	11.0	10.0	24.0	8.3	6.5	6.9	7.5	1.0	4.6
17	8.5	8.5	15.0	11.0	10.0	17.0	7.9	6.5	7.5	6.9	1.0	4.8
18	8.3	8.5	17.0	9.9	10.0	11.0	7.9	6.5	11.0	6.3	1.0	4.8
19	8.1	8.5	20.0	10.0	10.0	10.0	7.9	7.5	12.0	17.0	1.0	4.8
20	8.1	8.3	23.0	9.7	10.0	10.0	7.5	7.9	9.4	9.7	0.9	4.6
21	8.5	8.3	21.0	11.0	10.0	9.7	7.5	7.5	8.3	8.9	0.9	4.5
22	8.5	8.5	16.0	11.0	10.0	9.9	7.5	5.8	8.1	8.7	1.3	4.6
23	8.3	8.5	14.0	11.0	10.0	10.0	7.3	10.0	7.7	8.3	1.7	4.8
24	8.3	8.1	20.0	12.0	10.0	9.9	7.3	10.0	7.7	8.1	1.6	4.5
25	7.9	7.9	27.0	12.0	10.0	10.0	7.9	8.5	7.7	8.7	1.6	4.3
26	7.7	7.9	28.0	11.0	9.7	11.0	7.9	7.7	8.3	7.9	1.8	4.3
27	7.7	7.9	27.0	11.0	9.2	9.9	7.3	7.7	7.1	7.1	1.8	4.2
28	7.9	7.7	28.0	11.0	9.4	9.9	7.3	13.0	7.9	7.1	2.2	5.2
29	7.7	7.7	12.0	12.0	-----	9.7	7.7	11.0	9.9	6.7	2.3	6.5
30	7.7	7.7	11.0	9.7	-----	9.4	7.9	8.7	8.3	6.0	2.5	7.5
31	7.5	-----	11.0	10.0	-----	9.4	-----	8.3	-----	5.3	5.6	-----
Mean	8.5	8.0	13.7	10.4	10.4	11.1	8.5	8.9	8.1	8.0	2.1	4.4
Max.	12.0	8.5	28.0	12.0	12.0	24.0	11.0	14.0	12.0	17.0	5.6	7.5
Min.	7.5	7.3	6.9	8.0	9.2	9.2	7.3	5.8	6.5	5.3	0.9	2.2
A. F.	520.0	478.0	844.0	639.0	580.0	681.0	504.0	546.0	482.0	492.0	131.0	262.0
Total acre-feet	6160											

REPORT OF THE STATE ENGINEER

BUFFALO CREEK—Sec. 33-9-18 W.
Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.
1	50	78	54	24	130
2	74	76	59	20	51
3	67	73	76	3	50
4	64	72	76	2	51
5	83	51	77	5	52
6	84	52	78	4	124
7	82	42	79	41	200
8	82	43	92	41	200
9	94	37	92	41	100
10	84	38	88	0	100
11	97	44	90	0	80
12	89	44	89	0	68
13	65	44	89	2	66
14	62	44	88	2	66
15	59	42	27	2	65
16	28	32	31	10	79
17	28	32	103	46	58
18	19	32	103	46	58
19	20	42	119	46	59
20	58	41	119	0	52
21	70	42	118	0	52
22	72	40	86	0	90
23	100	38	86	12	90
24	53	42	85	12	79
25	48	42	85	66	78
26	76	41	24	58	77
27	62	52	30	72	90
28	62	52	56	71	91
29	56	50	56	88	92
30	52	54	55	92	88
31	44	.....	25	130	.....
Mean	64	47	75	30	84
Max.	100	78	119	130	200
Min.	19	32	27	0	50
A. F.	3940	2800	4630	1860	5030

CEDAR CREEK—Sec. 11-18-48 W.
Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.
1	9	35	4	1	23
2	9	32	4	2	21
3	9	23	22	2	22
4	5	30	20	2	19
5	4	28	22	2	19
6	6	17	14	2	20
7	7	10	21	2	18
8	7	14	23	2	20
9	7	14	22	2	23
10	7	13	25	2	21
11	6	19	21	5	20
12	7	9	3	6	16
13	6	10	12	5	3
14	11	4	14	3	3
15	11	3	17	5	3
16	17	3	15	2	2
17	14	3	14	2	2
18	12	4	4	3	2
19	6	15	10	2	18
20	16	16	9	4	15
21	12	8	2	5	7
22	7	3	1	6	2
23	7	3	4	7	29
24	13	3	3	3	31
25	25	9	4	3	29
26	25	6	1	12	27
27	13	13	2	2	27
28	14	13	2	23	24
29	14	12	3	24	25
30	25	14	1	17	21
31	26	.....	1	20	.....
Mean	11	12	10	6	17
Max.	26	35	26	24	31
Min.	4	3	1	1	2
A. F.	710	750	640	350	1020

CALAMUS RIVER NEAR BURWELL—Sec. 8-21-16 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	244	269	273	360	190	269	264	240	256	204	191	222
2	244	264	260	500	170	264	256	264	248	214	188	218
3	244	269	270	680	170	273	240	252	240	218	191	214
4	248	269	260	396	180	269	211	252	226	269	197	222
5	252	269	260	303	100	269	211	244	222	294	207	226
6	252	264	256	294	100	298	222	240	207	285	211	226
7	256	264	264	281	200	277	222	240	204	260	214	240
8	252	260	264	277	280	285	226	244	207	233	222	273
9	260	248	250	264	310	264	244	244	214	218	214	273
10	252	252	200	269	350	269	256	237	214	237	214	285
11	244	256	210	256	380	281	256	240	214	218	214	264
12	244	256	260	252	400	285	260	244	214	211	214	260
13	244	256	280	250	370	294	248	244	218	211	218	273
14	244	252	260	260	370	294	244	237	218	207	214	256
15	244	256	110	264	370	298	256	237	211	214	211	240
16	248	260	150	277	400	345	264	237	204	218	218	229
17	260	260	190	264	320	350	260	248	229	214	211	226
18	260	264	240	260	240	340	252	244	285	214	204	281
19	252	264	220	240	244	340	252	240	252	222	201	312
20	248	260	210	240	244	316	252	233	240	214	204	277
21	240	260	220	220	244	298	252	233	237	211	207	269
22	244	256	230	200	256	280	252	233	237	214	237	260
23	244	256	260	222	269	264	252	273	226	211	240	244
24	252	250	280	222	273	244	248	308	214	214	244	233
25	252	250	280	244	281	260	240	285	222	222	229	237
26	266	252	260	248	273	298	244	260	222	211	237	229
27	256	256	260	233	273	285	237	248	226	207	244	222
28	260	260	250	273	277	273	229	240	233	207	233	226
29	264	264	270	290	.....	277	226	248	226	207	229	229
30	264	264	310	120	.....	273	229	298	211	207	226	233
31	269	.....	350	150	.....	277	.....	269	.....	201	226	.....
Mean	251	259	247	278	269	288	244	250	226	222	216	247
Max.	269	269	350	680	400	350	264	308	285	294	244	312
Min.	240	248	110	120	100	244	211	233	204	201	188	214
A. F.	15460	15430	15190	17080	14940	17690	14490	15380	13440	13660	13310	14680
Total acre-feet	180800											

CEDAR RIVER NEAR SPALDING—Sec. 5-20-10 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	123	117	119	90	90	112	117	103	149	122	95	102
2	132	104	127	100	140	111	112	130	145	113	91	117
3	113	140	120	150	150	106	101	142	170	99	75	108
4	130	123	100	160	110	110	98	132	171	98	99	102
5	116	130	118	165	90	110	97	108	148	95	140	106
6	124	131	109	139	132	95	96	110	148	98	140	119
7	98	126	108	133	128	128	105	116	121	106	93	164
8	151	129	110	125	85	114	118	105	122	116	120	147
9	120	127	80	117	114	109	109	124	113	102	104	142
10	116	128	70	117	87	112	104	117	114	84	104	107
11	123	129	55	112	100	117	123	131	108	129	102	100
12	130	141	70	85	103	112	113	124	100	107	125	128
13	125	136	65	80	78	112	99	116	107	113	115	127
14	96	128	55	80	99	113	104	100	98	110	104	121
15	169	130	35	85	109	124	112	93	100	132	112	143
16	139	121	50	80	105	121	97	92	76	131	108	146
17	121	127	55	75	112	147	109	91	119	121	105	115
18	135	100	80	80	126	136	94	99	165	134	99	103
19	124	149	85	110	102	119	97	85	173	111	108	160
20	119	119	90	123	89	127	100	108	105	96	89	170
21	116	107	85	133	112	159	97	94	116	95	84	153
22	123	95	70	156	119	128	111	91	108	111	120	137
23	115	65	70	115	115	135	110	133	105	90	91	135
24	108	120	70	135	117	119	101	137	102	95	134	129
25	123	90	80	116	131	125	102	144	112	97	119	125
26	115	120	80	95	113	116	102	115	116	99	110	139
27	118	129	85	90	106	121	97	117	116	95	126	125
28	100	117	90	80	114	114	95	117	106	103	108	116
29	146	145	90	55	-----	106	97	122	109	150	107	107
30	135	112	95	30	-----	110	100	179	103	106	104	127
31	112	-----	90	70	-----	114	-----	138	-----	93	109	-----
Mean	123	121	84.1	106	110	119	104	117	122	108	108	127
Max.	169	149	127.0	165	150	159	123	179	173	150	140	170
Min.	96	65	35.0	30	78	95	94	85	76	84	75	100
A. F.	7530	7210	5170.0	6510	6100	7320	6180	7170	7250	6650	6620	7570
Total acre-feet 81330												

CEDAR RIVER NEAR FULLERTON—Sec. 33-17-6 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	187	160	170	210	140	185	231	150	333	165	132	140
2	160	143	150	210	180	180	193	185	295	158	110	144
3	158	158	130	210	210	177	204	215	280	165	96	150
4	160	154	172	210	210	170	190	204	257	163	114	150
5	153	168	185	210	240	170	172	198	260	160	168	148
6	177	160	172	220	230	185	168	193	247	172	135	158
7	165	165	165	210	170	182	156	172	218	337	163	153
8	160	182	165	210	200	185	168	177	204	172	154	193
9	154	172	75	190	190	190	187	172	185	154	125	291
10	172	175	75	190	200	224	196	193	170	152	130	240
11	175	175	80	180	220	180	209	228	163	144	130	180
12	172	180	110	190	210	212	209	190	152	138	243	218
13	160	180	110	150	190	215	201	190	154	152	224	393
14	158	182	100	200	170	209	190	185	148	150	156	535
15	168	177	95	240	190	212	185	190	148	296	144	260
16	140	170	70	180	210	250	190	182	140	393	130	180
17	163	170	65	200	260	295	190	168	146	198	134	185
18	168	163	75	240	270	317	177	165	1760	185	125	175
19	170	165	95	260	280	270	177	160	690	175	128	486
20	172	156	150	246	330	263	165	156	416	172	114	325
21	177	163	140	220	490	253	158	148	287	154	115	221
22	175	80	140	150	466	273	160	150	223	142	117	198
23	172	120	140	170	333	280	156	265	206	119	119	185
24	172	130	140	190	237	240	156	594	193	142	156	172
25	170	200	140	160	212	270	158	263	180	114	130	160
26	158	250	140	180	206	253	154	231	386	128	148	158
27	156	250	150	100	201	247	150	231	1020	121	146	168
28	154	210	150	150	185	237	150	201	266	117	154	177
29	150	190	160	170	-----	234	146	206	212	321	144	182
30	138	170	170	230	-----	224	140	2810	180	165	138	187
31	154	-----	190	140	-----	218	-----	606	-----	160	144	-----
Mean	164	171	131	194	237	226	176	303	317	177	142	218
Max.	187	250	190	260	490	317	231	2810	1760	393	243	535
Min.	138	80	65	100	140	170	140	148	140	114	96	140
A. F.	10060	10160	8070	11920	13150	13380	10480	18600	18890	10880	8760	12350
Total acre-feet 147800												

REPORT OF THE STATE ENGINEER

CLEVELAND DRAIN—Sec. 6-20-52 W.
Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.
1	13	20	18	9	27
2	12	19	22	6	24
3	12	15	27	6	24
4	21	17	47	12	29
5	20	10	41	6	31
6	18	16	37	7	27
7	13	17	25	8	33
8	15	21	37	8	37
9	17	17	30	7	37
10	17	10	21	7	32
11	17	9	12	25	32
12	13	14	18	14	32
13	10	14	24	10	1
14	20	6	12	11	1
15	16	8	27	18	21
16	16	5	32	11	18
17	21	11	36	11	18
18	26	13	30	5	45
19	25	23	31	12	7
20	19	30	30	12	32
21	19	38	28	8	32
22	17	36	24	13	25
23	12	38	16	13	25
24	30	30	11	14	22
25	25	39	7	12	24
26	24	26	4	14	30
27	22	38	6	17	21
28	21	32	14	17	17
29	23	24	11	15	14
30	31	26	6	19	25
31	24	---	8	17	---
Mean	19	21	22	12	25
Max.	31	39	37	25	45
Min.	10	5	4	5	1
A. F.	1170	1230	1370	720	1470

DAWSON COUNTY DRAIN NO. 2—
Sec. 25-10 23 W.
Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.
1	1	1	2	2	3
2	1	1	2	1	4
3	1	1	2	1	3
4	1	1	2	1	3
5	1	1	2	2	3
6	1	1	2	2	3
7	1	1	2	2	4
8	1	1	2	3	4
9	1	1	2	3	4
10	1	1	1	3	4
11	1	1	1	3	3
12	1	1	1	4	4
13	1	1	1	4	4
14	1	1	1	4	3
15	1	1	1	4	3
16	1	1	1	4	3
17	1	1	1	4	3
18	1	2	1	4	3
19	1	2	2	4	5
20	1	2	2	4	5
21	1	2	2	4	5
22	1	2	2	4	4
23	1	2	2	4	4
24	1	2	2	4	4
25	1	2	1	3	4
26	1	2	1	3	4
27	1	2	1	3	4
28	1	2	1	3	4
29	1	2	1	3	4
30	1	2	2	3	3
31	1	---	2	3	---
Mean	1	1	2	3	4
Max.	1	2	2	4	5
Min.	1	1	1	1	3
A. F.	60	85	95	190	220

DISMAL RIVER AT DUNNING—Sec. 4-21-24 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	339	351	336	350	400	336	294	306	294	245	303	257
2	321	342	336	350	400	327	312	292	297	257	286	257
3	315	333	333	360	500	324	309	303	294	257	292	251
4	297	345	333	340	530	315	306	306	297	260	286	251
5	348	345	342	330	300	324	306	327	292	289	303	268
6	333	345	348	303	310	321	339	312	312	280	283	248
7	324	333	360	336	340	324	324	306	297	268	306	309
8	289	345	330	318	310	309	321	300	292	274	300	315
9	289	342	310	330	320	303	342	309	289	268	294	339
10	300	354	320	324	340	318	318	330	271	254	286	315
11	321	351	320	318	339	318	321	277	274	245	286	300
12	324	354	320	339	333	339	330	271	251	265	303	297
13	348	354	320	345	336	318	306	265	254	265	292	283
14	300	351	300	324	330	339	300	283	262	271	289	292
15	312	348	300	333	339	333	303	280	262	268	297	277
16	315	354	290	330	330	369	312	280	254	274	283	274
17	315	342	280	330	339	363	300	271	262	283	274	280
18	300	339	280	330	333	333	306	280	265	292	254	294
19	300	342	280	330	354	315	286	262	277	274	260	297
20	294	336	300	330	348	309	292	274	265	268	262	294
21	294	339	300	330	357	348	309	274	257	271	257	303
22	297	336	320	327	360	339	306	274	268	277	306	286
23	303	333	320	333	363	357	315	324	268	268	309	292
24	309	333	320	327	354	339	294	321	277	268	309	286
25	318	333	320	330	369	333	277	303	274	280	303	277
26	324	333	330	330	351	360	286	297	289	277	324	292
27	327	327	330	300	342	327	289	294	265	280	318	294
28	333	324	330	310	336	333	286	289	262	254	300	280
29	336	330	340	300	-----	324	277	297	262	268	274	280
30	348	327	340	300	-----	318	283	306	254	265	274	260
31	351	-----	340	321	-----	312	-----	306	-----	262	271	-----
Mean	317	341	320	328	356	330	305	294	275	269	290	285
Max.	351	354	360	360	530	369	342	330	312	292	330	339
Min.	289	324	280	300	300	303	277	262	251	245	254	248
A. F.	19500	20270	19690	20150	19760	20280	18150	18090	16340	16520	17860	16950

Total acre-foot 223600

DRIFTWOOD CREEK NEAR McCOOK—Sec. 12-2-30 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.3	0.2	6.0	0.0	0.0
2	0.3	0.4	0.2	8.0	0.0	0.0
3	0.2	0.5	0.1	12.0	0.0	0.0
4	0.1	0.6	0.1	102.0	0.0	0.0
5	0.1	0.3	0.1	26.0	0.0	0.0
6	0.3	0.2	0.1	11.0	0.0	0.0
7	0.4	0.2	0.1	5.2	0.0	0.0
8	0.4	0.2	0.2	8.5	0.2	0.0
9	0.4	0.3	0.4	4.2	0.1	1630.0
10	0.5	0.4	0.2	2.4	0.0	163.0
11	0.3	0.5	0.4	0.1	1.6	0.0	19.0
12	0.0	0.5	0.3	0.0	1.0	0.0	6.8
13	0.0	0.5	0.2	0.0	0.9	0.0	3.0
14	0.2	0.5	0.2	0.0	11.0	0.0	1.7
15	0.3	0.5	0.1	0.0	33.0	0.0	1.3
16	0.6	0.4	0.1	0.0	187.0	0.0	0.6
17	0.9	0.3	0.1	0.0	16.0	0.0	0.4
18	0.9	0.3	0.1	0.0	6.1	0.0	0.2
19	0.8	1.5	0.1	0.0	2.2	0.0	0.2
20	0.7	8.6	0.1	0.7	1.2	0.0	0.2
21	0.4	7.9	0.1	0.3	0.6	0.0	0.2
22	0.4	7.6	0.1	1.0	0.2	0.0	0.2
23	0.3	7.6	0.2	0.1	0.1	0.0	0.2
24	0.2	2.9	0.5	0.0	0.0	0.0	0.1
25	0.2	0.0	0.4	0.0	0.0	0.0	0.8
26	0.3	0.0	0.2	0.0	0.0	0.9	0.4
27	0.4	0.0	0.2	1.2	0.0	0.4	0.2
28	0.4	0.0	0.2	1.0	0.0	0.1	0.1
29	0.4	0.0	0.5	1.5	0.0	0.0	0.1
30	0.4	0.1	0.5	2.4	0.0	0.0	0.1
31	0.4	.....	0.3	.....	0.0	0.0	.....
Mean	0.4	1.4	0.3	0.3	14.4	0.06	61.0
Max.	0.9	8.6	0.6	2.4	187.0	0.9	1630.0
Min.	0.0	0.0	0.1	0.0	0.0	0.0	0.0
A. F.	17.0	85.0	16.0	20.0	885.0	3.4	3630.0

Total acre-feet 4660

DUGOUT CREEK, UPPER—
Sec. 20-20-50 W.

ELM CREEK—Sec. 33-9-18 W.
Water Year Ending September 30, 1946

Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.	Day	May	June	July	Aug.	Sept.
1	1	17	10	10	9	1	50	4	0	0	7
2	1	28	30	10	10	2	49	4	13	0	22
3	1	33	30	7	10	3	0	2	14	0	21
4	1	30	53	6	10	4	14	1	32	0	21
5	1	18	51	10	10	5	7	4	4	0	22
6	1	17	57	10	10	6	6	3	30	0	30
7	1	50	83	8	10	7	1	0	29	0	40
8	1	46	93	6	10	8	0	0	30	0	60
9	1	38	66	7	24	9	5	0	29	0	60
10	2	21	72	10	35	10	10	0	28	0	15
11	3	8	54	10	50	11	37	4	18	0	14
12	1	4	27	10	15	12	26	0	18	0	3
13	2	7	19	10	12	13	5	0	18	0	3
14	1	3	21	10	29	14	22	0	24	0	2
15	1	3	25	9	30	15	26	0	254	0	2
16	4	2	17	9	18	16	26	0	243	0	4
17	28	4	13	9	10	17	25	0	15	0	3
18	32	4	13	9	24	18	14	0	72	0	2
19	46	6	13	9	26	19	17	64	0	0	3
20	35	5	12	9	13	20	4	43	38	0	5
21	23	7	13	9	13	21	3	43	36	0	5
22	29	3	17	9	13	22	2	42	23	0	0
23	12	4	14	9	13	23	50	0	10	1	0
24	12	4	11	9	16	24	29	0	10	1	0
25	38	4	12	8	16	25	12	0	12	9	0
26	37	3	12	10	16	26	8	0	8	7	0
27	21	3	10	10	16	27	1	0	8	13	0
28	55	3	12	15	11	28	0	0	31	13	0
29	50	10	10	13	10	29	4	0	32	7	0
30	60	8	10	12	11	30	7	0	31	6	0
31	30	.....	9	12	.....	31	6	.....	0	5	.....
Mean	2	13	29	9	17	Mean	15	7	37	2	11
Max.	60	50	93	15	50	Max.	50	64	254	13	60
Min.	0	2	9	6	9	Min.	0	0	0	0	0
A. F.	1050	780	1760	580	990	A. F.	920	420	2280	120	680

REPORT OF THE STATE ENGINEER

ELKHORN RIVER AT NELIGH—Sec. 20-25-6 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	124	126	162	120	120	252	412	161	356	120	65	76
2	120	126	172	130	140	246	367	194	427	116	65	74
3	117	128	154	140	140	242	332	210	457	110	63	75
4	116	130	196	150	130	237	298	203	403	121	65	80
5	115	133	183	160	140	228	274	201	351	129	89	80
6	115	133	162	160	130	229	259	203	313	126	100	76
7	116	133	160	150	130	228	252	201	282	129	97	80
8	112	136	162	150	140	220	237	192	255	130	102	95
9	114	140	80	150	140	206	229	184	231	120	100	112
10	117	154	65	150	140	219	229	189	213	122	91	119
11	121	137	140	150	140	220	257	196	196	132	89	125
12	119	142	100	140	140	235	257	189	186	116	88	137
13	119	140	90	130	140	265	253	181	178	106	92	172
14	120	140	95	150	140	263	252	170	172	100	92	167
15	114	140	120	140	150	276	242	161	162	104	89	148
16	115	142	140	120	160	327	231	152	154	106	86	136
17	116	142	120	130	170	412	224	149	149	108	79	125
18	114	140	95	140	170	463	215	144	167	105	71	122
19	110	137	90	140	190	502	208	150	187	101	68	152
20	110	140	90	130	190	532	206	149	204	94	67	156
21	109	137	90	130	190	583	201	152	196	89	67	149
22	110	90	95	120	210	640	191	149	183	84	108	152
23	112	110	95	130	213	650	198	152	161	78	86	154
24	116	140	95	130	220	608	192	943	143	75	78	148
25	119	130	100	130	235	532	189	636	143	80	77	142
26	117	129	100	130	248	499	181	541	137	80	78	139
27	119	164	100	110	253	475	172	472	130	79	78	136
28	121	160	110	130	252	481	173	406	126	77	79	133
29	121	172	110	130	.....	484	170	334	128	79	79	140
30	121	191	120	120	.....	478	166	403	125	75	80	135
31	124	.....	130	110	.....	457	.....	349	.....	68	79	.....
Mean	117	139	120	135	170	377	236	262	217	102	82	125
Max.	124	191	196	160	253	650	412	943	457	132	108	172
Min.	109	90	65	110	120	206	166	144	125	68	63	74
A. F.	7170	8260	7380	8330	9440	23180	14020	16100	12320	6270	5050	7410
Total acre-feet	125500											

ELKHORN RIVER AT NORFOLK—Sec. 3-23-1 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	175	208	368	210	240	430	652	264	588	224	116	119
2	169	218	372	220	240	440	600	304	534	214	110	116
3	169	218	356	230	240	415	564	352	540	205	102	128
4	163	218	300	250	240	420	492	364	504	208	108	128
5	178	235	260	270	250	435	460	332	552	211	142	130
6	195	235	200	290	240	435	455	316	492	221	153	135
7	192	235	160	310	250	430	420	304	440	221	160	130
8	183	242	140	310	250	420	400	304	390	211	172	145
9	192	249	100	300	250	400	380	308	364	205	180	246
10	192	256	60	300	250	372	390	390	348	195	160	312
11	186	264	60	310	250	368	470	372	308	195	150	221
12	186	268	80	300	250	390	492	348	296	189	145	189
13	186	280	110	280	240	415	445	336	268	180	150	246
14	192	280	120	240	240	430	420	320	256	175	158	522
15	198	280	140	230	230	450	415	308	242	178	150	328
16	183	288	140	230	240	626	390	308	218	192	142	249
17	192	272	150	230	260	784	380	300	224	189	147	211
18	195	272	150	230	280	735	368	296	332	183	169	205
19	186	272	160	250	280	724	348	292	312	172	155	228
20	186	264	160	250	290	672	340	284	324	166	130	256
21	186	220	160	250	290	693	336	284	324	158	116	264
22	186	210	160	240	310	837	340	280	308	147	135	228
23	186	180	160	250	340	813	312	280	284	132	172	224
24	189	240	170	250	350	837	308	480	276	145	192	324
25	186	280	200	250	350	798	300	1090	276	142	160	221
26	198	300	210	240	350	707	280	721	253	137	153	218
27	205	356	200	240	370	665	268	686	231	140	145	208
28	218	364	200	230	425	588	280	652	264	140	145	211
29	218	364	200	230	.....	582	268	552	659	137	142	218
30	218	400	200	230	.....	646	268	1070	256	135	137	214
31	211	.....	200	240	.....	632	.....	749	.....	132	135	.....
Mean	190	266	182	255	278	567	395	427	358	177	146	216
Max.	218	400	372	310	425	837	652	1090	659	224	192	522
Min.	163	180	60	210	230	368	268	264	218	132	102	116
A. F.	11700	15800	11200	15650	15460	34870	23490	26270	21330	10870	8990	12840
Total acre-feet	208500											

BUREAU OF IRRIGATION

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ELKHORN RIVER AT WATERLOO—Sec. 21 16-10 E.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	654	433	602	360	440	1020	1080	534	1680	1980	289	295
2	562	442	644	370	450	1040	1070	553	2240	1240	277	277
3	524	442	633	380	430	970	1040	731	1460	811	272	263
4	502	442	592	390	440	949	963	1080	1160	687	266	301
5	489	442	582	400	640	907	949	1060	922	628	277	277
6	484	446	607	430	3400	856	894	894	921	592	280	292
7	467	454	644	470	2970	942	835	781	900	577	289	304
8	458	458	644	560	1840	894	811	726	854	557	323	323
9	437	454	550	570	1360	835	787	692	805	529	308	458
10	433	450	290	520	1180	823	770	704	753	506	289	654
11	421	454	260	510	1110	842	793	720	714	471	298	736
12	417	475	220	510	978	842	799	748	687	454	301	1080
13	410	475	230	490	829	874	793	781	649	442	314	806
14	406	480	250	480	829	914	817	793	617	410	311	649
15	406	489	250	460	1200	928	817	736	607	413	295	515
16	410	493	280	450	921	956	793	726	587	421	298	463
17	417	489	310	450	709	1040	770	692	562	442	295	515
18	417	489	310	440	726	1210	748	665	1590	463	292	548
19	413	484	310	430	928	1350	720	633	1500	437	286	489
20	410	480	310	430	1000	1350	687	607	1370	413	272	454
21	406	471	310	430	1020	1350	660	587	1110	386	272	458
22	406	390	320	420	978	1280	649	562	848	372	280	450
23	410	360	320	420	1000	1300	665	562	753	365	283	454
24	413	310	320	410	1120	1470	665	758	692	354	304	458
25	413	310	320	410	1160	1250	638	2110	660	347	551	437
26	417	320	320	400	1410	1750	612	1990	758	340	450	410
27	421	370	320	410	1280	2460	592	1500	880	337	417	402
28	429	420	320	410	1050	1550	577	1330	854	334	372	410
29	429	470	340	400	-----	1300	567	1080	2400	327	365	406
30	429	520	350	390	-----	1180	553	1020	3060	314	368	390
31	433	-----	370	410	-----	1100	-----	1000	-----	295	323	-----
Mean	443	440	391	439	1121	1149	770	882	1089	524	317	466
Max.	654	520	644	570	3400	2460	1080	2110	3060	1980	551	1080
Min.	406	310	220	360	430	823	553	534	562	295	266	263
A. F.	27260	26210	24060	27000	62280	70680	45850	54260	64790	32220	19470	27720

Total acre-feet 481800

FREMONT SLOUGH—Sec. 17-13-29 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	9	14	20	10	7	9	7	6	4	5	5
2	5	9	14	20	10	8	9	7	6	4	5	5
3	5	9	14	20	9	8	8	7	6	5	5	4
4	5	9	15	20	9	7	8	8	6	5	5	4
5	5	9	15	21	8	7	8	7	5	5	5	5
6	5	10	15	21	9	7	8	7	5	4	5	4
7	5	10	15	21	10	8	8	7	4	4	5	6
8	5	10	15	21	9	8	8	7	4	5	5	6
9	5	11	15	21	9	9	9	7	4	5	4	5
10	5	11	16	21	8	9	9	7	3	5	5	5
11	5	10	16	21	8	10	8	7	4	5	4	5
12	5	12	16	22	8	11	8	7	3	5	5	5
13	6	12	16	22	7	12	7	7	3	5	5	5
14	6	12	16	22	8	12	8	7	3	5	4	5
15	6	12	16	22	8	12	7	7	3	5	4	5
16	6	12	17	22	8	14	7	7	4	5	4	5
17	6	12	17	22	8	14	6	6	4	5	4	5
18	6	12	17	23	7	14	6	6	6	5	4	5
19	6	12	17	23	8	14	6	6	7	5	5	4
20	7	13	17	23	8	14	6	6	5	5	5	5
21	7	13	18	23	8	14	6	6	5	5	5	4
22	7	13	18	22	8	11	6	6	5	5	5	4
23	8	13	18	20	8	11	6	5	4	4	6	4
24	8	13	18	19	8	11	6	9	4	5	5	4
25	8	18	18	17	8	11	6	9	4	5	6	4
26	8	13	19	16	7	11	6	9	4	5	5	4
27	8	14	19	15	8	11	6	6	4	5	5	4
28	8	14	19	14	8	11	6	6	5	5	5	4
29	8	14	19	13	-----	10	6	6	5	5	5	4
30	8	14	20	12	-----	10	6	6	4	5	5	3
31	9	-----	20	11	-----	9	-----	6	-----	5	5	-----
Mean	6	12	17	20	8	10	7	7	4	5	5	4
Max.	9	14	20	23	10	14	9	9	7	5	6	6
Min.	5	9	14	11	7	7	6	5	3	4	4	3
A. F.	390	690	1030	1210	460	640	420	420	270	300	300	270

Total acre-feet 6400

Computed from two daily observations.

REPORT OF THE STATE ENGINEER

FRENCHMAN RIVER BFLOW CHAMPION—Sec. 22-6-39 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	87	34	32	45	46	36	37	46	25	21	26	38
2	55	33	31	45	46	36	36	44	23	23	22	39
3	59	33	32	44	45	33	37	36	29	33	25	38
4	50	33	31	45	46	32	36	35	30	28	26	38
5	42	40	33	44	48	31	36	35	30	42	18	36
6	43	34	30	44	51	28	36	39	28	66	28	35
7	47	33	32	45	48	31	37	37	26	61	18	38
8	46	33	33	45	48	42	38	35	30	56	21	51
9	41	32	29	44	49	42	39	42	29	50	20	66
10	42	32	31	46	46	41	43	38	20	34	22	69
11	38	32	39	45	45	40	37	45	25	25	26	310
12	36	32	45	46	52	37	38	43	30	35	18	130
13	37	39	42	46	46	37	39	40	46	33	31	102
14	39	29	42	42	45	35	40	39	31	32	37	78
15	43	29	43	43	52	33	41	38	21	34	37	44
16	41	42	43	44	44	42	40	32	22	33	36	44
17	43	37	47	43	40	41	38	29	26	33	36	44
18	40	37	45	44	45	39	40	28	30	32	32	47
19	40	35	44	45	37	40	38	32	25	33	33	51
20	41	26	46	45	32	36	38	30	22	32	23	48
21	41	34	45	46	38	38	37	27	23	30	27	52
22	39	34	44	44	39	37	39	27	16	29	26	50
23	42	36	45	43	36	37	38	31	25	23	33	52
24	34	38	44	44	36	36	38	46	32	33	26	49
25	37	34	46	48	39	37	38	37	34	23	36	50
26	40	36	45	48	29	44	39	28	30	34	42	51
27	40	32	46	46	33	44	37	27	19	23	37	50
28	39	33	47	46	33	43	34	26	28	30	40	49
29	37	34	47	45	-----	42	38	27	40	26	42	46
30	43	32	45	45	-----	42	37	36	24	30	42	46
31	42	-----	47	46	-----	37	-----	37	-----	27	39	-----
Mean	43.4	34.3	40.4	44.9	42.6	37.7	38.0	35.2	27.5	33.7	29.8	61.4
Max.	87.0	42.0	47.0	48.0	52.0	44.0	43.0	46.0	46.0	66.0	42.0	310.0
Min.	34.0	29.0	29.0	42.0	29.0	28.0	34.0	26.0	16.0	21.0	18.0	35.0
A. F.	2670.0	2040.0	2480.0	2760.0	2370.0	2320.0	2260.0	2170.0	1630.0	2070.0	1830.0	3650.0

Total acre feet 28250

FRENCHMAN RIVER NEAR IMPERIAL—Sec. 3-5-38 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	160	75	53	74	78	58	71	69	63	59	52	49
2	108	78	60	76	75	53	70	64	70	60	48	55
3	97	67	52	76	75	68	64	70	62	58	51	55
4	88	63	52	77	81	66	63	72	61	58	38	60
5	89	69	52	69	83	63	67	68	61	63	46	60
6	80	71	52	78	77	65	61	69	55	77	49	62
7	81	73	53	77	71	60	69	65	55	95	50	61
8	84	72	55	72	83	56	64	68	56	94	36	76
9	84	60	59	76	76	60	58	67	61	95	34	81
10	78	49	53	74	80	69	60	61	59	80	37	97
11	76	63	52	77	76	65	70	75	62	69	39	142
12	76	66	56	73	77	68	67	78	52	61	33	210
13	78	74	61	76	81	68	67	72	56	56	38	136
14	78	74	65	75	74	66	66	76	52	67	41	118
15	74	55	63	78	74	54	60	67	57	64	57	93
16	76	48	65	77	78	65	59	70	51	65	54	76
17	77	56	65	71	77	67	66	70	23	65	56	70
18	73	70	67	73	74	65	72	67	34	65	43	74
19	74	64	68	73	64	66	53	69	60	61	58	71
20	77	64	64	78	67	63	61	58	59	57	61	74
21	76	58	75	70	63	60	63	53	52	58	60	78
22	71	60	73	76	62	62	60	51	44	58	55	78
23	80	57	69	77	57	60	60	49	34	63	49	68
24	72	46	64	68	72	67	66	55	51	52	46	71
25	70	65	70	81	62	60	64	68	53	56	43	68
26	72	60	69	75	63	60	61	73	54	53	52	80
27	73	64	74	84	62	64	62	63	45	48	59	79
28	74	62	76	78	60	69	59	59	46	47	59	75
29	78	63	75	74	-----	74	63	56	60	63	61	65
30	75	59	75	75	-----	69	61	57	56	55	59	72
31	72	-----	74	72	-----	69	-----	59	-----	52	55	-----
Mean	81	64	63	75	72	64	64	65	54	64	49	82
Max.	160	78	76	84	83	74	72	78	70	95	61	210
Min.	70	46	52	68	57	53	53	49	23	47	33	49
A. F.	5000	3780	3890	4620	4010	3930	3780	4000	3180	3920	3010	4870

Total acre-feet 47990

BUREAU OF IRRIGATION

519

FRENCHMAN RIVER NEAR ENDERS—Sec. 4-5-37 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	82	90	85	76	76	65	71
2	77	86	82	79	77	65	68
3	91	82	85	79	82	78	65	72
4	90	88	80	84	74	78	61	75
5	98	88	82	84	75	79	55	73
6	98	88	82	83	73	83	60	75
7	91	86	81	81	67	103	65	81
8	93	84	87	81	72	112	63	93
9	96	84	81	83	68	109	55	90
10	98	85	79	82	72	104	53	104
11	93	92	82	82	72	87	56	119
12	97	90	82	83	71	82	58	195
13	94	92	82	88	68	72	70	176
14	98	90	86	84	69	78	65	142
15	94	86	80	83	67	75	65	123
16	95	85	77	84	70	78	70	100
17	95	98	78	84	53	78	68	89
18	95	91	88	82	53	76	69	89
19	91	92	80	82	63	77	61	88
20	88	92	73	81	78	71	74	88
21	86	88	78	71	72	71	73	87
22	86	88	77	72	72	68	74	92
23	82	85	74	79	60	72	69	84
24	82	85	77	80	69	68	69	85
25	90	90	78	78	73	67	68	86
26	84	84	76	84	73	68	61	88
27	87	85	77	82	73	65	72	92
28	85	89	73	80	70	62	74	89
29	89	74	82	79	58	75	87
30	90	75	75	79	69	76	80
31	88	.....	76	.....	65	75	.....
Mean	91	88	80	81	71	78	66	96
Max.	98	98	90	88	82	112	76	195
Min.	82	77	73	71	53	58	53	68
A. F.	4710	5380	4760	5000	4210	4770	4060	5710

Total acre-feet 38620

FRENCHMAN RIVER NEAR HAMLET—Sec. 29-5-34 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	211	101	97	130	113	101	101	105	93	81	66	78
2	178	101	90	140	113	98	102	106	93	97	67	75
3	147	104	90	140	113	96	101	102	97	129	67	72
4	128	101	93	120	111	99	101	97	99	128	119	74
5	124	93	88	120	111	108	97	102	91	92	115	74
6	118	95	91	118	116	108	98	104	90	121	66	74
7	112	98	91	115	116	105	98	103	88	127	68	79
8	109	97	90	114	110	102	97	100	83	194	69	104
9	111	97	89	116	109	100	104	101	85	113	71	512
10	109	93	83	114	113	99	97	106	82	107	62	101
11	108	88	85	113	113	99	95	101	85	105	60	103
12	105	84	94	110	109	106	97	100	85	92	60	106
13	104	93	89	111	113	104	100	104	85	88	70	174
14	103	93	91	119	109	105	100	102	81	80	75	160
15	103	98	80	113	113	105	102	100	81	83	70	136
16	102	97	80	113	111	107	97	100	79	85	69	121
17	98	83	80	113	112	107	93	99	166	85	72	105
18	101	87	80	113	111	113	93	97	91	84	70	97
19	99	93	60	110	111	108	100	95	79	84	69	94
20	98	99	75	108	108	109	97	93	78	83	64	96
21	101	94	90	111	104	107	89	94	92	80	72	93
22	104	93	95	110	104	105	98	85	83	79	74	92
23	101	89	100	108	102	102	93	88	79	76	77	98
24	102	93	100	109	99	101	90	128	72	78	74	91
25	105	89	110	110	99	101	92	104	76	77	73	91
26	97	87	120	109	107	106	94	97	79	76	74	91
27	98	97	120	113	100	98	92	101	80	76	67	91
28	100	95	120	113	102	99	92	101	89	74	77	97
29	98	97	130	114	.....	102	90	102	128	71	80	97
30	101	95	140	111	.....	102	89	102	82	67	80	95
31	101	.....	130	105	.....	103	.....	93	.....	71	80	.....
Mean	112	94.1	95.3	115	109	103	96.1	100	89	93.2	73.5	112
Max.	211	104.0	140.0	140	116	113	104.0	128	166	194.0	119.0	512
Min.	97	83.0	60.0	105	99	96	89.0	85	72	67.0	60.0	72
A. F.	6890	5600.0	5890.0	7070	6050	6360	5720.0	6170	5300	5730.0	4520.0	6690

Total acre-feet 71990

REPORT OF THE STATE ENGINEER

FRENCHMAN RIVER AT CULBERTSON—Sec. 17-3-31 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	244	121	147	190	171	158	159	76	133	102	35	38
2	226	120	148	170	168	155	155	88	134	104	27	39
3	203	119	144	160	166	158	155	128	129	292	25	41
4	188	119	147	150	174	152	152	138	129	222	29	39
5	170	121	145	150	176	152	152	106	129	201	32	39
6	164	121	140	150	168	155	150	96	119	155	63	41
7	159	129	144	140	171	161	150	82	115	154	34	44
8	151	129	145	150	171	158	150	82	107	417	26	60
9	143	137	140	160	174	159	144	90	104	239	25	364
10	132	136	120	160	177	158	155	87	94	168	25	518
11	134	136	110	160	174	164	144	93	85	148	22	210
12	123	136	110	150	174	166	155	88	81	138	20	129
13	116	132	120	145	170	170	155	97	70	130	26	124
14	114	140	120	154	170	172	152	88	61	123	23	145
15	111	140	75	157	165	172	152	90	58	191	20	136
16	111	145	65	148	161	178	150	90	53	159	18	121
17	111	276	70	159	166	177	150	90	54	125	20	116
18	110	141	70	162	161	182	145	87	186	118	20	106
19	114	136	95	166	161	194	143	90	225	108	16	96
20	123	134	130	171	161	188	147	93	128	104	18	94
21	110	144	120	152	161	186	141	92	120	103	15	93
22	111	137	120	143	161	180	134	94	155	98	16	87
23	114	137	120	168	158	172	128	90	134	80	20	91
24	114	138	110	177	158	172	127	106	112	67	20	80
25	115	145	120	174	158	166	107	136	107	63	20	75
26	121	137	140	174	152	166	97	128	104	60	57	74
27	115	137	140	166	158	166	88	138	104	54	44	73
28	120	145	180	159	155	166	82	133	99	56	30	68
29	121	145	200	168	-----	166	70	138	110	50	30	72
30	121	148	210	171	-----	164	66	133	115	41	36	69
31	121	-----	220	157	-----	164	-----	136	-----	40	36	-----
Mean	136	139	131	160	166	168	135	103	112	133	27.4	109
Max.	244	276	220	190	177	194	159	138	225	417	63.0	518
Min.	110	119	65	140	152	152	66	76	53	40	15.0	38
A. F.	8390	8290	8060	9840	9200	10310	8040	6350	6650	8150	1680.0	6510

Total acre-feet 91470

HORSE CREEK NEAR LYMAN—Sec. 25-23-58 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	298	68	56	58	28	92	90	17	192	94	62	115
2	232	68	51	57	44	93	90	17	152	83	59	130
3	210	68	44	58	53	91	100	27	152	102	59	178
4	187	67	50	60	56	91	89	238	175	144	66	163
5	151	66	57	63	41	90	84	130	178	160	63	134
6	122	65	55	51	57	88	80	213	136	136	61	151
7	112	63	61	46	53	86	58	277	80	149	59	166
8	106	61	41	51	68	82	50	280	71	142	57	178
9	103	54	43	46	75	87	49	236	57	139	59	195
10	100	56	54	43	71	88	46	264	66	75	59	175
11	99	66	54	44	71	89	44	296	59	65	59	178
12	96	61	47	40	77	87	42	248	52	66	62	186
13	92	57	49	49	72	82	42	184	59	64	59	178
14	89	56	55	41	75	64	40	72	58	69	60	158
15	88	59	51	38	71	71	46	50	56	76	58	156
16	87	58	58	38	77	70	54	56	57	72	60	155
17	84	56	47	39	77	66	46	44	76	71	58	135
18	80	56	43	46	77	66	43	43	108	69	63	312
19	79	55	54	50	80	65	38	66	126	65	67	254
20	80	57	54	45	81	62	36	86	183	55	66	228
21	80	50	33	46	83	58	35	75	217	56	66	189
22	80	53	42	55	75	87	33	55	202	61	66	197
23	80	54	48	57	65	93	25	43	236	57	66	210
24	78	59	37	64	96	91	22	80	228	59	66	192
25	77	55	39	69	104	87	21	152	238	65	66	147
26	76	56	42	47	98	88	21	159	234	65	66	204
27	72	56	50	49	98	88	20	113	184	63	66	195
28	71	57	44	51	93	87	19	70	136	63	77	165
29	69	55	142	56	-----	88	18	107	139	65	86	148
30	69	55	92	44	-----	84	17	169	124	63	84	130
31	69	-----	65	22	-----	89	-----	176	-----	63	99	-----
Mean	107	58.9	53.5	49.1	72.0	82.3	46.6	130	134	83.1	65.3	177
Max.	298	68.0	142.0	69.0	104.0	93.0	100.0	296	238	160.0	99.0	312
Min.	69	50.0	33.0	22.0	28.0	58.0	17.0	17	52	55.0	57.0	115
A. F.	6580	3500.0	3290.0	3020.0	4000.0	5060.0	2770.0	8020	8000	5110.0	4010.0	10520

Total acre-feet 63880

INDIAN CREEK—Sec. 19-20-50 W.
Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.
1	6	13	8	20	21
2	6	7	9	20	18
3	6	7	9	20	19
4	5	8	10	20	21
5	4	6	19	17	21
6	6	7	20	20	18
7	5	10	19	16	19
8	5	9	19	17	22
9	5	6	19	18	21
10	4	6	20	18	23
11	4	4	21	17	23
12	10	2	19	16	23
13	4	4	21	22	21
14	3	3	22	20	1
15	3	4	20	21	26
16	7	6	20	19	24
17	7	5	15	24	20
18	5	5	14	24	23
19	7	10	14	22	22
20	8	6	15	19	17
21	4	8	17	19	17
22	5	8	17	21	15
23	3	6	17	21	19
24	5	7	18	22	18
25	5	5	17	22	19
26	8	5	17	21	19
27	15	6	19	16	19
28	17	8	23	21	19
29	16	10	20	21	18
30	16	8	20	21	15
31	13	-----	20	21	-----
Mean	7	7	17	20	19
Max.	17	13	23	24	26
Min.	3	2	9	16	1
A. F.	430	390	1070	1220	1150

LINCOLN COUNTY DRAIN NO. 1—
Sec. 30-14-30 W.
Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.
1	35	46	64	94	97
2	33	46	67	90	100
3	33	48	64	91	100
4	32	48	64	101	101
5	34	48	63	107	101
6	32	48	69	94	98
7	32	51	66	101	103
8	32	52	64	99	58
9	33	52	63	100	101
10	34	55	64	100	100
11	34	62	63	99	94
12	35	65	66	99	90
13	34	62	67	106	91
14	45	62	75	106	88
15	48	70	80	106	91
16	45	70	80	104	84
17	43	70	80	103	89
18	36	79	77	100	80
19	33	79	77	100	78
20	28	74	78	97	77
21	29	70	82	103	80
22	29	68	84	101	78
23	36	68	86	104	80
24	100	68	84	103	78
25	94	68	82	110	83
26	66	66	87	108	86
27	48	63	83	106	80
28	48	73	94	103	83
29	51	79	86	106	86
30	54	69	94	97	88
31	48	-----	88	99	-----
Mean	42	63	76	101	89
Max.	100	79	94	110	103
Min.	28	46	63	90	58
A. F.	2610	3730	4640	6220	5240

Computed from one daily observation.

LODGEPOLE CREEK AT BUSHNELL—Sec. 33-15 57 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	14	19	13	17	16	14	9.2	16.0	9.4	8.3	9.2
2	14	14	16	15	14	16	15	12	17.0	9.2	8.1	9.0
3	15	14	17	15	14	17	15	14	19.0	9.0	8.1	9.0
4	15	14	16	15	14	16	16	14	17.0	9.6	9.6	8.8
5	15	14	18	15	13	15	15	16	15.0	9.6	8.1	8.3
6	15	14	18	15	13	15	15	28	14.0	9.4	7.9	8.6
7	14	14	18	14	14	16	15	34	14.0	9.4	7.5	9.2
8	15	13	16	13	14	14	17	38	12.0	8.8	7.5	9.4
9	14	11	11	15	14	17	15	42	12.0	8.8	7.5	9.6
10	14	12	11	14	14	16	15	45	12.0	8.8	7.5	8.6
11	14	13	13	13	14	16	15	40	12.0	8.8	7.5	8.6
12	14	13	14	12	15	16	14	15	14.0	8.6	7.5	8.6
13	14	13	12	12	15	16	14	15	14.0	8.6	7.5	8.6
14	16	12	11	14	15	16	14	15	12.0	9.0	8.0	8.3
15	15	14	10	15	15	19	14	30	12.0	9.2	8.0	8.8
16	15	14	13	14	16	19	14	40	11.0	9.2	8.0	7.7
17	15	13	13	14	16	16	14	16	9.4	8.6	8.0	7.3
18	15	14	11	15	16	17	14	14	7.9	8.6	8.0	7.9
19	15	13	10	15	16	17	14	13	8.8	8.6	8.0	7.9
20	15	15	12	14	16	17	14	14	9.0	8.3	8.0	7.5
21	15	12	13	13	16	16	14	14	9.2	8.3	8.1	7.3
22	15	14	13	14	16	16	14	14	9.4	8.3	8.1	7.3
23	16	15	14	14	16	16	14	14	11.0	8.3	8.1	7.1
24	16	17	14	14	16	16	14	18	11.0	8.3	8.6	7.1
25	16	17	14	15	16	18	14	19	9.6	8.6	8.1	6.9
26	16	17	14	16	16	17	12	17	8.8	8.3	7.9	6.7
27	15	18	14	13	15	16	13	16	9.2	8.1	7.9	7.1
28	15	19	14	14	17	16	12	15	9.6	8.1	9.0	7.1
29	15	19	15	14	-----	16	10	16	9.4	8.6	9.4	7.3
30	14	20	16	14	-----	16	9.6	16	9.2	8.3	9.6	7.7
31	14	-----	15	11	-----	15	-----	17	-----	8.1	9.6	-----
Mean	14.8	14.5	14.0	14.0	15.1	16.3	14.0	20.7	11.8	8.7	8.2	8.1
Max.	16.0	20.0	19.0	16.0	17.0	19.0	17.0	45.0	19.0	9.6	9.6	9.6
Min.	14.0	11.0	10.0	11.0	13.0	14.0	9.6	9.2	7.9	8.1	7.5	6.7
A. F.	912.0	865.0	863.0	861.0	839.0	1000.0	832.0	1270.0	703.0	537.0	502.0	481.0

Total acre-feet 9660

REPORT OF THE STATE ENGINEER

LOGAN CREEK AT UEHLING—Sec. 9-20-8 E.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	77	58	30	45	50	151	80	49	108	258	48	42
2	75	59	30	45	50	178	75	52	89	144	47	41
3	70	58	40	45	60	182	75	209	85	108	44	40
4	65	59	25	50	65	105	70	138	73	91	42	40
5	67	61	30	60	390	100	68	111	69	85	50	43
6	65	61	35	65	1200	100	67	84	68	79	50	43
7	63	62	30	65	610	100	66	72	67	78	45	47
8	59	62	25	65	480	100	67	68	64	73	47	52
9	59	60	35	65	280	100	63	67	59	69	45	66
10	59	65	35	55	210	100	64	71	61	64	43	72
11	59	65	25	50	170	150	71	86	60	62	40	71
12	58	67	25	45	150	150	75	90	58	61	40	90
13	57	65	30	40	130	150	73	81	59	60	39	59
14	57	65	30	30	120	150	66	72	59	59	43	51
15	57	67	40	35	110	150	63	72	57	63	43	52
16	58	65	40	35	95	150	60	67	60	66	44	49
17	58	63	40	30	95	150	59	65	55	67	42	49
18	60	62	40	35	340	180	56	65	77	66	50	48
19	57	61	40	40	390	200	56	66	194	59	41	48
20	57	60	40	40	350	200	55	72	153	55	41	55
21	56	40	44	40	656	200	53	66	117	54	41	50
22	57	30	45	40	600	200	57	63	91	54	41	49
23	57	30	45	35	550	200	59	63	76	51	49	48
24	58	30	45	40	555	200	63	1040	69	51	259	47
25	57	35	45	45	418	200	57	839	142	53	70	48
26	58	35	45	40	275	300	50	377	139	54	67	49
27	57	35	45	40	217	300	49	156	102	51	69	49
28	60	35	45	35	115	300	49	111	181	52	72	49
29	57	30	45	45	-----	300	50	96	1180	52	50	49
30	57	30	45	50	-----	300	49	111	586	48	45	49
31	57	-----	45	55	-----	300	-----	156	-----	48	44	-----
Mean	60.3	52.5	37.4	45.3	312	182	62.2	153	142	72.1	54.5	51.5
Max.	77.0	67.0	-----	65.0	1200	-----	80.0	1040	1180	258.0	259.0	90.0
Min.	56.0	30.0	25.0	30.0	50	-----	49.0	49	55	48.0	39.0	40.0
A. F.	3710.0	3120.0	2300.0	2790.0	17320	11200	3700.0	9390	8450	4430.0	3350.0	3060.0

Total acre-feet 72820

LOUP RIVER NEAR GENOA—Sec. 25-17-4 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	57	73	173	170	150	361	105	77	347	185	22	14
2	45	73	373	230	130	230	73	87	201	179	24	12
3	49	85	1530	470	180	136	105	120	120	165	15	11
4	38	81	1520	500	130	84	101	109	103	144	12	14
5	37	77	1060	570	130	79	109	84	64	136	24	16
6	34	76	130	570	190	79	107	74	82	131	20	14
7	26	77	150	550	250	79	103	71	76	120	24	33
8	21	81	100	530	310	273	107	70	76	128	26	53
9	25	84	530	470	330	213	120	73	45	154	16	87
10	22	91	250	430	330	185	109	92	57	47	13	234
11	22	89	75	380	340	151	98	87	63	28	21	286
12	24	82	30	350	380	126	85	79	50	36	61	217
13	27	92	25	330	460	141	79	89	34	27	105	148
14	31	94	25	300	450	134	53	92	33	21	87	107
15	30	89	20	290	480	210	57	98	36	31	89	81
16	29	89	20	270	550	361	46	101	32	77	79	65
17	33	82	25	220	830	934	53	71	38	118	68	53
18	34	89	25	200	1100	1430	57	92	4140	154	50	43
19	34	73	25	250	1100	982	70	71	6160	61	53	1070
20	34	91	30	280	1200	632	71	73	2450	53	84	3180
21	29	416	25	310	1880	460	76	85	618	40	82	259
22	51	1350	30	290	1810	396	61	87	347	47	61	46
23	91	1150	40	250	1470	342	74	103	241	40	50	56
24	81	520	50	260	991	278	74	919	185	33	42	36
25	103	664	60	240	785	194	73	632	255	30	27	33
26	107	204	95	260	729	204	63	168	263	29	20	26
27	84	466	120	240	690	220	70	118	2990	23	21	22
28	76	352	130	260	675	182	61	89	2130	16	22	24
29	89	168	120	230	-----	141	76	96	244	16	20	26
30	85	154	140	230	-----	201	77	3540	165	24	19	28
31	76	-----	160	210	-----	100	-----	1250	-----	23	18	-----
Mean	49.2	237	230	327	645	308	80.4	284	722	74.7	41.1	210
Max.	107.0	1350	1530	570	1880	1430	120.0	3540	6160	185.0	105.0	3180
Min.	21.0	73	20	170	130	79	46.0	70	32	16.0	12.0	11
A. F.	3020.0	14110	14110	20110	35800	18940	4790.0	17450	42990	4590.0	2530.0	12480

Total acre-feet 190900

BUREAU OF IRRIGATION

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LOUP RIVER NEAR COLUMBUS
Highway Bridge on West Line of Sec. 30-17-1 E.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	273	188	400	200	310	451	319	150	1250	249	82	74
2	183	188	325	210	290	249	220	208	859	249	85	79
3	163	168	1430	250	270	208	220	417	542	243	79	79
4	154	198	2090	520	320	193	286	273	332	231	66	102
5	150	173	2280	520	300	231	249	243	292	225	116	85
6	163	183	859	580	320	340	249	193	279	198	99	96
7	137	173	504	560	330	319	231	193	243	198	116	92
8	120	208	580	640	380	312	231	158	249	198	89	106
9	133	141	1300	690	430	490	225	168	237	193	113	173
10	133	173	2200	530	420	332	237	249	168	203	109	225
11	116	198	380	460	420	355	266	214	168	133	92	425
12	129	208	320	450	460	266	249	178	188	133	133	378
13	133	193	180	440	500	266	266	188	178	129	173	312
14	129	193	180	400	600	299	237	214	141	116	173	347
15	145	198	120	370	640	292	214	220	141	145	133	299
16	150	188	110	370	780	408	266	220	141	158	133	237
17	145	188	130	330	920	1010	225	231	133	168	129	129
18	158	188	110	300	2100	2040	243	168	2910	225	71	120
19	137	198	95	280	2200	1120	243	198	9390	163	89	154
20	145	178	110	330	1580	1020	243	178	5010	109	99	4240
21	133	154	100	370	2870	634	225	158	2380	106	113	1800
22	124	1470	90	400	4130	590	243	178	1490	106	120	477
23	163	1930	85	350	3640	460	203	231	1030	102	109	312
24	183	1390	90	330	1760	425	220	2040	846	99	116	231
25	150	712	90	350	1220	370	193	1220	796	99	89	154
26	193	417	110	270	992	306	183	523	678	96	113	168
27	203	712	120	330	978	378	163	362	5090	99	124	168
28	158	561	140	290	964	434	133	249	2870	89	124	198
29	173	393	150	310	.....	332	163	277	580	89	113	145
30	188	340	170	250	.....	460	158	5570	325	85	116	154
31	188	.....	170	320	.....	378	.....	3740	.....	85	109	.....
Mean	157	393	484	387	1076	483	227	607	1298	152	110	385
Max.	273	1930	2280	690	4130	2040	319	5570	9390	249	173	4240
Min.	116	141	85	200	270	193	133	150	133	85	66	74
A. F.	9620	23410	29790	23820	59750	29690	13490	37310	77230	9360	6790	22930

Total acre-feet 343200

LOUP RIVER, MIDDLE, AT DUNNING—Sec. 33-22-24 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	393	400	384	420	390	384	384	452	334	334	337	354
2	375	387	396	420	390	342	406	434	314	328	334	409
3	363	384	403	420	400	351	418	412	331	360	325	390
4	390	375	415	430	470	390	409	412	342	354	322	378
5	412	412	409	430	470	354	400	420	357	345	375	372
6	396	444	412	430	470	393	450	425	360	340	348	360
7	387	421	415	430	470	357	409	415	360	363	334	454
8	384	409	421	440	470	378	409	390	363	331	331	437
9	400	381	400	440	460	381	372	412	342	325	325	504
10	396	345	380	450	460	360	393	431	348	319	322	467
11	396	345	370	480	460	396	378	366	322	300	325	409
12	396	363	350	470	460	390	378	337	325	300	328	390
13	381	369	340	460	470	260	369	308	334	305	345	372
14	381	378	330	440	460	400	378	340	334	294	342	354
15	381	406	320	430	430	464	384	340	340	303	354	360
16	363	425	320	420	380	553	400	334	340	328	345	337
17	381	425	320	410	328	507	409	351	366	325	342	337
18	378	418	330	400	363	454	384	363	390	340	340	363
19	378	406	330	390	390	434	369	357	412	331	340	366
20	400	400	340	390	351	441	387	354	363	331	340	363
21	400	390	340	418	390	428	372	366	366	322	340	363
22	425	393	350	437	425	431	387	378	363	334	381	360
23	418	290	350	406	450	441	396	418	331	331	375	363
24	434	287	360	412	470	441	378	390	337	340	369	363
25	437	375	370	437	470	450	378	390	337	348	348	390
26	418	378	380	412	434	454	369	354	340	348	393	387
27	421	366	380	412	393	431	384	345	334	369	387	396
28	409	372	390	409	366	447	396	331	348	325	375	396
29	412	378	400	390	.....	428	366	322	354	331	340	378
30	403	375	410	390	.....	409	381	351	331	337	345	366
31	406	.....	420	390	.....	418	.....	394	.....	325	360	.....
Mean	397	390	372	423	426	415	390	372	347	331	347	385
Max.	437	444	421	480	470	553	450	452	412	369	393	504
Min.	363	345	320	390	328	342	366	300	314	294	322	337
A. F.	24420	23200	22880	26010	23680	25520	23190	22890	20660	20360	21360	22890

Total acre-feet 277100

REPORT OF THE STATE ENGINEER

LOUP RIVER, MIDDLE, AT WALWORTH—Sec. 1-19-20 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	831	718	858	1100	410	840	795	761	615	600	600	702
2	727	778	830	960	750	795	744	905	727	615	592	770
3	778	761	780	960	850	849	744	935	678	630	638	770
4	752	736	730	960	840	858	670	858	710	662	646	773
5	786	736	720	1100	880	795	686	831	678	678	702	778
6	761	761	710	1100	680	935	786	858	670	694	786	831
7	744	686	610	1100	690	840	727	867	710	670	654	1080
8	686	585	440	1100	880	718	752	925	670	622	638	1080
9	694	585	520	1000	890	727	744	965	622	578	630	1180
10	686	608	500	930	860	736	727	831	654	600	615	965
11	718	718	500	880	870	831	727	646	678	578	615	849
12	770	694	530	730	890	867	770	630	727	570	654	831
13	702	630	530	720	870	770	786	646	718	562	702	761
14	686	702	480	840	840	996	770	678	686	570	670	710
15	662	736	430	850	880	1180	736	702	702	608	662	686
16	678	727	320	770	900	1240	718	630	710	622	678	638
17	744	831	270	780	840	1130	795	718	761	600	686	654
18	778	786	390	820	820	1010	795	727	867	608	638	744
19	727	831	480	810	830	915	822	761	678	570	615	694
20	736	804	620	790	1000	1020	840	710	534	562	638	654
21	694	822	680	780	1100	935	822	736	608	600	662	718
22	786	660	710	750	1780	1040	795	678	654	615	770	694
23	813	630	690	860	1360	1040	770	727	654	600	804	694
24	813	580	720	860	1320	1100	778	686	694	600	752	654
25	786	690	620	830	1200	1060	744	578	670	622	710	662
26	770	867	730	790	965	945	744	630	622	638	770	702
27	786	849	950	760	885	831	744	678	638	615	795	727
28	778	813	960	820	867	885	736	702	654	662	736	694
29	778	786	960	730	-----	975	736	786	638	615	654	578
30	770	795	1100	700	-----	849	727	702	638	600	702	638
31	770	-----	1100	340	-----	840	-----	600	-----	600	702	-----
Mean	748	730	660	855	927	921	758	745	676	612	681	764
Max.	831	867	1100	1100	1780	1240	840	965	867	694	804	1180
Min.	662	580	270	340	410	718	670	578	534	562	592	678
A. F.	46000	43450	40600	52600	51470	56630	45680	45790	40200	37620	41880	45450
Total acre-feet	546800											

LOUP RIVER, MIDDLE, AT ARCADIA—Sec. 26-17-16 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	699	891	873	1000	420	804	873	602	624	560	338	495
2	661	865	821	1000	360	771	873	617	470	521	324	560
3	646	847	919	1100	600	838	804	574	541	521	310	602
4	691	812	985	1100	930	966	763	617	527	534	315	588
5	653	838	1080	1100	1100	901	722	638	527	581	401	527
6	754	771	1120	1100	1000	938	787	722	501	595	418	527
7	730	746	830	1100	990	1100	847	668	514	804	574	676
8	722	676	400	1100	820	995	838	646	564	588	500	1020
9	661	763	320	930	1100	1040	787	691	534	541	460	1020
10	646	795	480	900	1100	1120	830	714	554	514	450	882
11	691	779	520	960	840	1110	856	588	534	514	450	779
12	706	795	560	920	850	1090	746	588	541	483	450	763
13	754	804	590	780	810	1070	714	541	527	440	452	771
14	754	838	630	740	790	1090	754	617	483	406	464	638
15	812	730	570	840	830	1170	771	574	495	412	434	631
16	746	691	430	860	870	1350	746	653	418	458	406	661
17	754	631	320	880	950	1370	738	691	501	495	401	653
18	763	714	220	920	970	1130	706	653	1420	433	406	787
19	763	730	220	910	980	1020	676	661	722	464	401	804
20	796	787	390	860	1100	1000	699	661	588	446	390	617
21	812	779	520	770	1100	1040	676	560	588	440	395	560
22	804	340	540	710	1300	1060	699	560	521	418	495	595
23	787	490	570	730	850	1090	699	706	527	401	567	699
24	738	560	560	740	860	1090	638	730	602	423	560	631
25	706	840	710	780	700	1060	610	771	638	446	567	567
26	730	950	830	700	850	1090	574	684	631	423	541	617
27	787	995	850	600	800	985	560	588	595	423	610	595
28	838	668	980	520	865	-----	554	610	595	401	653	547
29	910	821	1100	600	-----	1040	534	691	595	418	668	547
30	891	771	1100	640	-----	919	489	746	574	369	581	501
31	838	-----	1100	630	-----	830	-----	691	-----	338	554	-----
Mean	750	757	682	855	883	1033	719	647	581	479	469	662
Max.	910	995	1120	1100	1300	1370	873	771	1420	804	668	1020
Min.	646	340	220	520	360	771	489	541	418	338	310	495
A. F.	46100	45060	41930	52580	49060	63540	42770	39770	34590	29470	28830	39390
Total acre-feet	513100											

BUREAU OF IRRIGATION

LOUP RIVER, MIDDLE, AT ST. PAUL—Sec. 10-14-10 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	944	1020	835	1300	920	1040	1090	726	900	726	372	578
2	978	990	990	1350	1000	1220	1190	966	775	688	386	614
3	990	922	978	1350	780	1140	1110	1410	815	660	308	641
4	900	911	978	1300	780	1320	1070	933	815	726	251	707
5	911	933	955	1250	1050	1330	978	878	698	660	351	688
6	911	990	978	1300	1250	1280	911	911	669	678	452	815
7	900	955	990	1300	1250	1150	900	966	660	966	408	978
8	889	944	1060	1300	1250	1260	944	1020	688	1520	486	1180
9	911	933	795	1450	1200	1330	1070	955	650	966	486	1530
10	867	889	210	1500	1100	1400	1090	1040	560	755	464	1200
11	815	1010	138	1500	1200	1330	1170	1040	518	716	460	1230
12	825	1000	120	1400	1250	1420	1080	688	534	669	492	1080
13	835	1000	120	1350	1300	1350	835	726	526	605	492	990
14	922	878	180	1350	1250	1170	933	765	543	534	578	1060
15	922	856	280	1100	1250	1170	978	735	492	534	560	944
16	1000	845	400	1100	1300	1480	1060	776	408	1140	500	775
17	1000	1110	440	1100	1350	1640	887	900	421	1620	453	745
18	955	1200	410	1100	1650	1180	911	922	3070	835	509	825
19	1020	1120	380	1100	1800	1070	845	825	4450	707	509	1990
20	1040	911	340	1100	1950	1290	911	825	2660	605	509	1580
21	1020	955	320	1100	1650	1180	825	785	1580	587	400	1040
22	990	669	350	1050	1450	1150	878	680	1270	569	372	1080
23	978	180	450	1050	1400	1130	911	755	1200	492	408	1010
24	978	220	590	1050	1650	1240	878	1420	1220	430	526	867
25	955	380	770	1100	1560	1330	765	1160	1190	475	543	867
26	978	990	920	1150	1400	1320	765	944	1200	500	526	785
27	944	1190	980	1150	1330	1330	745	933	3790	500	614	795
28	978	1320	1050	1150	1040	1190	736	775	1610	500	596	900
29	966	1000	1100	1050	.....	1120	726	775	678	509	678	1110
30	1020	825	1150	990	.....	1230	716	1050	745	509	716	900
31	1080	.....	1200	930	.....	1150	.....	1170	.....	452	650	.....
Mean	949	905	660	1205	1295	1256	929	919	1178	701	489	983
Max.	1080	1320	1200	1500	1950	1640	1190	1420	4450	1520	716	1990
Min.	815	180	120	930	780	1040	716	660	408	430	251	578
A. F.	58360	53840	40580	74120	71920	77240	55280	56540	70090	43110	30040	58480
Total acre-feet 639600												

LOUP RIVER, NORTH, AT BREWSTER—Sec. 23-23-22 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	360	349	337	470	300	392	372	356	308	259	239	272
2	356	322	322	470	350	368	368	477	300	259	239	260
3	352	323	330	450	360	392	356	380	293	259	246	279
4	349	330	322	430	390	388	356	368	290	272	242	283
5	360	341	326	430	370	364	352	368	290	283	252	283
6	352	333	330	450	290	392	352	364	290	308	286	286
7	345	326	333	430	330	396	345	368	290	276	286	413
8	345	326	230	430	350	388	333	364	262	262	266	491
9	356	333	190	420	360	384	337	368	262	252	252	486
10	356	341	130	430	350	384	352	384	249	233	252	551
11	356	333	140	330	350	376	356	388	262	230	246	388
12	380	326	150	220	350	384	326	333	272	223	249	360
13	364	326	160	300	340	451	326	318	279	226	272	352
14	370	323	160	350	350	468	322	318	276	230	276	341
15	380	330	290	390	350	495	326	308	255	236	269	337
16	333	349	300	330	360	523	322	311	242	255	255	315
17	333	364	300	380	360	556	318	318	255	242	262	315
18	333	368	300	380	380	551	315	311	290	233	256	368
19	326	380	320	380	464	537	304	297	413	246	259	392
20	322	380	320	290	400	542	318	290	360	230	252	345
21	315	376	330	320	404	542	322	279	326	230	249	326
22	315	376	320	340	421	523	326	283	304	230	255	322
23	315	300	330	420	408	518	322	308	297	230	276	315
24	326	330	320	350	417	504	315	318	290	236	269	304
25	333	320	320	380	429	500	315	304	286	242	269	304
26	337	333	330	260	434	504	315	293	279	246	368	290
27	337	341	340	330	388	468	304	283	259	255	356	283
28	333	341	350	340	396	451	290	276	259	259	372	345
29	341	337	370	360	.....	417	293	290	266	249	318	333
30	345	326	420	140	.....	396	293	318	266	242	304	315
31	349	.....	450	210	.....	396	.....	318	.....	239	293	.....
Mean	344	340	296	361	375	450	328	331	286	247	273	342
Max.	380	380	450	470	464	556	372	477	413	308	372	551
Min.	315	300	130	140	290	364	290	276	242	223	239	269
A. F.	21170	20240	18190	22180	20830	27670	19540	20350	17000	15220	16810	20360
Total acre-feet 239600.												

REPORT OF THE STATE ENGINEER

LOUP RIVER, NORTH, NEAR TAYLOR—Sec. 22-21-18 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	431	510	499	600	360	483	510	333	368	277	137	238
2	436	528	441	650	390	483	505	421	342	277	133	234
3	421	528	401	650	420	409	494	505	308	258	128	231
4	406	533	416	600	460	483	451	431	329	350	130	258
5	396	550	462	580	400	462	462	396	337	337	160	273
6	391	550	472	570	360	478	457	467	346	378	170	241
7	391	533	483	530	440	516	488	382	304	364	202	355
8	382	516	483	550	520	478	478	378	269	281	179	446
9	373	472	350	550	540	422	462	387	258	277	140	593
10	387	483	250	500	540	550	499	387	248	266	135	494
11	391	488	250	500	560	533	494	421	234	258	133	421
12	401	545	320	420	540	562	488	406	241	258	133	359
13	387	499	370	400	490	580	451	333	244	248	142	346
14	401	499	390	500	480	617	451	325	244	234	145	300
15	401	539	350	530	510	650	441	337	234	215	150	308
16	421	574	270	550	590	817	441	346	188	218	155	316
17	396	545	280	500	630	870	441	378	205	228	157	316
18	391	556	260	470	670	758	446	411	292	212	157	406
19	373	556	310	470	690	716	441	401	364	163	155	446
20	387	533	350	470	640	795	431	382	436	165	150	416
21	391	528	420	390	670	855	431	364	364	163	150	391
22	401	441	420	440	490	795	431	387	321	147	193	368
23	401	421	390	460	516	795	325	505	267	140	173	350
24	401	400	410	480	510	751	300	467	277	145	165	346
25	406	440	440	320	533	817	304	387	316	157	160	342
26	406	480	500	290	510	751	337	355	316	168	218	333
27	401	488	510	480	473	643	391	355	292	170	312	329
28	401	451	530	420	483	636	346	342	288	163	263	329
29	378	441	570	490	-----	611	321	355	292	168	252	350
30	378	467	600	370	-----	586	281	421	277	157	224	373
31	406	-----	600	250	-----	556	-----	373	-----	147	266	-----
Mean	398	503	413	483	515	631	427	392	293	225	173	350
Max.	436	574	600	650	690	870	510	505	436	378	312	593
Min.	373	400	250	250	360	422	281	325	183	140	128	231
A. F.	24460	29340	25380	29710	28600	38770	25380	24080	17460	13860	10650	20840
Total acre-feet	289100											

LOUP RIVER, NORTH, AT SCOTIA—Sec. 8-17-12 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	790	760	867	950	410	924	834	513	790	506	155	444
2	780	823	740	950	560	972	812	618	760	499	149	471
3	770	834	630	1100	720	1010	812	750	750	492	146	464
4	801	812	660	1200	930	972	823	770	672	478	149	457
5	770	790	640	1200	920	936	760	654	663	528	244	460
6	740	823	690	1200	790	996	812	645	645	592	208	457
7	720	856	845	1300	520	1030	780	645	627	996	200	780
8	730	867	780	1200	740	972	770	592	584	770	219	740
9	681	867	620	1100	920	924	780	609	520	568	249	873
10	672	867	400	1100	1000	867	834	770	464	536	227	889
11	681	845	310	1000	990	924	972	812	450	492	215	834
12	690	823	260	870	1100	936	812	700	392	404	231	780
13	681	845	280	770	1100	960	770	730	411	404	235	912
14	681	812	450	740	950	984	770	645	450	385	223	1160
15	720	780	320	790	950	972	750	604	418	418	219	672
16	730	790	240	850	930	1240	720	592	373	413	219	636
17	801	801	170	920	960	1300	710	609	418	404	212	609
18	823	823	160	1000	1100	1110	663	636	2490	385	200	672
19	790	823	230	950	1100	1060	672	654	1080	385	196	1690
20	710	834	350	870	1300	1070	636	627	760	361	189	924
21	730	790	450	700	1500	1070	609	609	710	325	182	750
22	710	500	510	600	1300	1120	627	568	690	315	244	730
23	730	450	490	650	1020	1070	609	672	513	295	290	710
24	740	510	530	770	900	1010	584	924	528	295	266	672
25	740	660	510	800	924	996	520	912	568	295	257	663
26	720	936	600	800	948	1100	464	801	576	280	271	636
27	720	1100	670	600	912	1120	478	681	560	253	300	627
28	710	948	790	600	936	984	552	627	513	290	379	618
29	710	845	860	560	-----	936	536	645	513	208	457	663
30	740	790	890	600	-----	924	478	1060	499	196	478	681
31	720	-----	980	500	-----	867	-----	878	-----	168	478	-----
Mean	733	800	546	879	944	1011	698	695	646	417	248	722
Max.	823	1100	980	1300	1500	1300	972	1060	2490	996	478	1690
Min.	672	450	160	500	410	867	464	513	373	168	146	444
A. F.	45090	47610	33560	54030	52420	62170	41550	42750	38450	25670	15250	42980
Total acre-feet	501530											

BUREAU OF IRRIGATION

LOUP RIVER, NORTH, NEAR ST. PAUL—Sec. 22-15-10 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	788	812	864	1100	420	878	850	537	825	500	132	422
2	788	878	800	1100	390	878	838	703	750	483	121	430
3	762	920	680	1100	550	838	906	906	750	448	115	439
4	762	906	640	1200	680	906	864	906	681	422	108	430
5	788	850	660	1200	820	920	762	864	615	448	181	422
6	750	838	830	1100	890	934	762	750	615	557	260	422
7	738	850	906	1200	620	948	767	750	576	744	200	637
8	800	878	892	1100	550	920	738	703	566	1110	186	738
9	775	878	790	1050	700	906	750	670	566	615	210	864
10	775	838	670	980	780	850	800	800	518	509	243	838
11	725	878	450	950	900	892	976	962	518	465	210	920
12	703	892	350	890	930	906	892	850	509	368	215	714
13	681	920	330	740	990	892	825	775	391	338	383	762
14	703	920	410	730	930	906	788	738	518	332	272	1480
15	692	920	410	710	890	920	788	681	407	375	237	850
16	750	892	400	740	880	1100	750	637	311	643	220	637
17	750	878	380	830	970	1280	714	670	399	448	215	626
18	850	878	360	940	1180	1120	681	648	2610	399	200	659
19	788	864	340	980	1260	1130	659	670	1620	383	196	1980
20	762	864	370	900	1390	1020	615	637	864	375	194	1440
21	762	800	430	860	1310	1050	586	637	738	338	192	864
22	800	600	460	740	1210	1070	605	586	750	318	191	825
23	812	540	480	720	1540	1050	605	626	557	284	311	812
24	812	630	490	780	892	976	605	1010	439	266	291	762
25	788	660	500	800	976	1010	528	1100	509	278	231	681
26	762	820	580	770	1040	1200	483	948	500	266	220	659
27	788	1040	640	700	920	1130	391	738	825	243	270	626
28	800	948	800	650	906	1020	492	605	537	280	332	670
29	825	892	890	670	-----	920	547	670	518	200	399	670
30	812	825	930	700	-----	892	547	1130	509	172	407	681
31	825	-----	1100	620	-----	864	-----	1150	-----	156	422	-----
Mean	771	844	607	889	911	980	702	776	683	411	238	765
Max.	850	1040	1100	1200	1540	1280	976	1150	2610	1110	422	1980
Min.	681	540	330	620	390	850	391	537	311	156	108	422
A. F.	47440	50200	37350	54640	50610	60260	41740	47720	40640	25280	14610	45540

Total acre-feet 516000

LOUP RIVER, SOUTH, AT CUMRO—Sec. 4-12-18 W.
Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.
1	-----	146	104	83	102
2	-----	146	104	83	109
3	-----	137	102	78	113
4	-----	129	111	79	107
5	-----	127	104	100	102
6	-----	119	119	93	107
7	-----	115	463	91	139
8	-----	113	210	91	175
9	-----	115	129	91	170
10	-----	109	109	86	150
11	-----	109	100	88	142
12	-----	109	95	93	135
13	-----	104	90	95	127
14	-----	102	90	93	125
15	-----	97	332	90	117
16	-----	95	242	88	115
17	-----	97	127	86	109
18	135	625	109	81	123
19	131	910	100	83	253
20	129	387	97	81	166
21	115	198	93	79	152
22	109	300	90	83	137
23	119	175	88	91	125
24	135	146	86	97	115
25	146	125	84	98	107
26	137	117	84	102	106
27	127	111	81	104	106
28	119	107	81	104	107
29	123	106	93	104	107
30	129	106	90	104	107
31	139	-----	86	104	-----
Mean	128	179	126	91.1	128
Max.	139	910	463	104	253
Min.	109	95	81	78	102
A. F.	3560	10680	7720	5600	7650

REPORT OF THE STATE ENGINEER

LOUP RIVER, SOUTH, AT RAVENNA—Sec. 17-12-14 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	156	156	160	160	130	196	255	173	145	85	68	87
2	149	156	130	190	130	190	212	181	145	85	58	103
3	153	160	150	200	160	181	173	207	145	103	54	123
4	149	156	170	230	180	181	156	190	137	113	54	116
5	160	149	200	230	180	181	149	186	130	126	87	149
6	153	149	200	210	180	194	145	141	134	100	93	119
7	141	149	207	210	160	186	153	153	119	535	71	164
8	130	145	163	190	160	203	145	145	113	308	73	160
9	145	134	110	180	180	207	153	137	106	186	71	190
10	141	141	85	160	180	164	156	160	106	119	65	156
11	137	149	75	160	170	156	164	145	96	93	63	149
12	119	153	80	160	180	186	168	164	106	93	63	126
13	123	156	90	160	200	203	168	164	106	79	85	149
14	149	156	95	160	200	226	177	164	100	71	87	164
15	141	156	90	160	220	226	198	149	93	282	79	130
16	149	134	85	170	230	297	186	145	87	349	73	106
17	149	141	85	170	240	443	164	145	90	217	90	110
18	156	137	90	170	230	331	164	149	721	113	65	110
19	164	134	85	170	220	297	160	149	1140	113	63	733
20	164	141	95	170	190	266	160	123	601	68	63	266
21	164	137	95	160	180	271	160	126	203	87	63	160
22	153	90	95	160	221	241	156	123	156	85	73	137
23	168	70	100	170	221	250	160	134	276	85	73	134
24	160	186	100	160	217	241	149	660	181	82	79	110
25	168	203	100	170	203	260	137	250	156	76	87	123
26	168	207	100	160	203	241	134	181	119	82	90	123
27	160	260	110	170	212	241	149	130	96	79	93	116
28	149	203	110	160	203	221	164	123	96	76	93	141
29	145	186	120	160	-----	207	164	134	96	79	90	130
30	145	168	130	120	-----	226	164	153	87	90	87	103
31	141	-----	140	140	-----	241	-----	149	-----	73	90	-----
Mean	150	155	118	172	192	231	165	172	196	133	75.6	156
Max.	168	260	207	230	240	443	255	660	1140	535	93	733
Min.	119	70	75	120	130	156	134	123	87	68	54	87
A. F.	9220	9250	7240	10590	10670	14190	9800	10680	11670	8200	4650	9300

Total acre-feet 115400

LOUP RIVER, SOUTH, AT ST. MICHAEL—Sec. 12-11-13 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	154	172	153	190	140	240	230	158	181	110	61	82
2	150	172	168	200	120	240	220	163	186	106	55	96
3	150	176	160	220	130	235	210	176	190	110	50	137
4	150	172	205	230	150	235	195	172	168	126	61	118
5	168	172	205	230	190	235	181	163	154	122	82	118
6	163	172	200	230	190	235	172	163	145	114	96	163
7	158	172	215	230	190	230	181	177	137	409	82	195
8	154	172	210	220	180	230	172	172	129	429	82	190
9	145	172	70	220	180	210	176	168	126	220	72	246
10	137	172	90	210	190	200	181	163	118	154	64	210
11	133	172	100	210	200	195	200	235	110	114	64	163
12	129	176	120	200	190	205	205	200	110	92	64	137
13	133	172	120	200	180	200	205	172	110	79	92	154
14	150	172	120	190	200	246	195	163	114	66	99	284
15	163	168	120	190	220	268	200	163	110	212	103	168
16	168	168	110	190	250	400	195	168	103	434	99	141
17	172	176	110	190	270	414	176	172	106	295	114	129
18	168	176	110	180	280	362	168	168	730	195	86	129
19	168	181	110	180	270	319	168	163	1750	150	75	652
20	168	181	110	180	270	307	163	163	1090	122	66	368
21	163	181	110	170	210	256	163	158	490	106	61	325
22	168	140	110	160	225	256	163	154	325	99	66	295
23	168	80	110	150	246	251	172	168	362	92	69	225
24	181	150	110	140	251	240	168	624	235	82	69	172
25	176	220	110	160	262	246	145	362	210	82	79	150
26	172	225	120	150	262	235	145	290	154	82	89	133
27	168	246	120	160	256	235	145	205	137	79	86	126
28	163	200	120	160	246	235	150	158	126	79	92	141
29	163	176	140	180	-----	225	150	154	122	79	96	225
30	168	172	160	140	-----	246	154	200	118	75	96	154
31	176	-----	170	160	-----	235	-----	195	-----	69	92	-----
Mean	160	175	136	188	212	254	178	197	272	148	80	194
Max.	181	246	215	230	280	414	230	624	1750	434	114	652
Min.	129	80	70	140	120	195	145	154	103	66	50	82
A. F.	9810	10420	8370	11540	11800	15600	10610	12110	16160	9090	4880	11560

BUREAU OF IRRIGATION

529

MEDICINE CREEK AT CAMBRIDGE—Sec. 28-4-25 W. Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	82	51	49	76	34	63	53	53	192	98	26	33
2	79	51	49	84	46	60	50	62	126	100	26	38
3	62	54	50	74	44	58	48	61	90	273	27	38
4	58	53	50	70	43	58	48	61	74	193	35	38
5	56	52	47	67	40	61	49	59	65	74	42	38
6	54	52	47	67	42	64	48	87	60	55	30	38
7	54	51	46	65	26	63	49	80	54	56	29	40
8	53	53	48	60	43	66	49	63	50	84	28	39
9	50	53	32	56	56	65	50	62	47	87	27	61
10	50	51	27	61	49	64	49	61	45	51	27	314
11	50	51	40	57	66	66	50	59	44	43	27	136
12	51	50	43	62	66	66	50	52	46	38	27	76
13	50	49	42	47	70	66	50	49	54	35	32	55
14	50	50	39	44	74	69	50	46	44	34	35	54
15	50	50	38	54	69	72	48	45	42	73	29	48
16	49	51	32	65	69	79	47	44	40	124	27	44
17	48	51	32	47	73	82	46	43	42	61	27	40
18	47	54	38	62	72	83	44	42	66	53	26	37
19	47	53	37	53	75	83	44	42	229	50	26	44
20	47	54	37	62	83	75	44	43	98	80	26	43
21	47	51	40	52	73	62	44	41	63	36	26	40
22	47	45	38	61	62	63	44	41	59	33	27	38
23	48	43	38	49	61	60	45	77	46	31	30	36
24	50	43	38	63	62	63	44	163	254	30	28	34
25	50	65	42	50	61	60	44	76	134	30	28	34
26	49	63	46	61	60	63	43	74	60	30	31	33
27	49	50	47	60	60	58	43	79	50	29	32	33
28	49	48	52	48	61	56	43	79	50	28	34	32
29	49	49	55	50	-----	56	44	98	526	29	34	32
30	50	50	54	51	-----	55	44	1740	200	29	34	35
31	50	-----	58	50	-----	57	-----	403	-----	27	33	-----
Mean	52	51	43	59	59	65	47	129	98	64	30	53
Max.	82	65	58	84	83	83	53	1740	526	273	42	314
Min.	47	43	27	44	26	55	43	41	40	27	26	32
A. F.	3220	3060	2640	3640	3250	4000	2780	7900	5850	3960	1820	3180

Total acre-feet 46300

MELBETA DRAIN—Sec. 13-21-54 W. Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.
1	1	3	4	0	7
2	1	3	1	0	7
3	1	3	1	0	6
4	4	6	11	0	5
5	3	7	17	0	5
6	2	5	14	0	6
7	1	3	18	0	7
8	3	4	12	0	10
9	3	11	6	0	10
10	4	10	12	0	7
11	3	5	10	0	13
12	2	7	8	0	8
13	1	7	9	0	9
14	2	7	12	0	8
15	3	4	17	0	12
16	3	11	14	0	8
17	3	6	13	0	1
18	5	8	9	0	14
19	10	12	9	0	16
20	15	10	10	0	3
21	5	8	4	0	3
22	5	10	6	2	3
23	6	13	5	0	4
24	22	2	3	0	4
25	16	6	2	0	3
26	6	4	0	0	3
27	3	4	4	0	3
28	3	4	3	0	3
29	6	3	3	0	3
30	7	4	0	1	3
31	5	-----	0	3	-----
Mean	5	6	8	0	6
Max.	22	13	18	3	16
Min.	1	2	0	0	1
A. F.	310	380	470	10	390

MUD CREEK NEAR SWEETWATER—Sec. 3-12-15 W.
Water Year Ending September 30, 1946

Day	July	Aug.	Sept.
1	-----	2.5	12
2	-----	2.2	13
3	-----	2.2	13
4	-----	2.3	13
5	-----	4.1	16
6	-----	3.4	33
7	-----	8.4	13
8	-----	6.8	15
9	-----	4.8	26
10	-----	4.5	22
11	-----	3.0	16
12	-----	7.0	15
13	-----	9.5	16
14	-----	12.0	13
15	-----	8.4	12
16	-----	8.2	13
17	-----	8.4	14
18	-----	7.0	20
19	-----	5.1	59
20	-----	5.1	83
21	-----	9.0	124
22	-----	7.2	94
23	12.0	7.7	41
24	11.0	9.0	26
25	9.8	10.0	22
26	8.7	9.5	19
27	8.4	9.8	17
28	8.0	13.0	19
29	7.2	11.0	19
30	6.8	11.0	16
31	5.1	9.8	-----
Mean	8.6	7.2	27.8
Max.	12.0	13.0	124.0
Min.	5.1	2.2	12.0
A. F.	153.0	440.0	1650.0
Total acre-feet	2240		

NEMAHA RIVER NEAR FALLS CITY—Sec. 22-1-16 E.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	678	63	72	55	80	70	191	68	104	87	21	14
2	453	63	68	55	75	65	135	81	85	74	18	27
3	163	65	68	65	90	65	133	85	74	44	18	161
4	106	67	70	85	100	61	110	90	70	38	21	14900
5	87	65	68	170	130	94	120	89	67	33	49	16200
6	89	70	68	360	122	771	191	102	63	28	46	5350
7	81	67	67	330	124	522	128	120	49	128	46	2550
8	65	77	65	270	145	400	128	116	36	215	38	1190
9	61	98	50	200	89	299	130	108	33	256	46	409
10	56	106	35	140	72	372	133	196	28	100	43	354
11	56	106	35	100	100	422	128	215	26	38	38	330
12	54	106	45	100	89	422	116	172	40	14	43	264
13	56	104	50	95	45	272	110	150	67	10	56	181
14	60	96	45	85	81	170	108	116	40	10	70	130
15	60	70	45	65	98	128	106	102	27	8	60	100
16	60	67	35	65	102	243	112	336	43	417	53	90
17	60	67	25	70	104	1190	96	240	511	941	48	81
18	60	67	25	75	90	1160	96	172	3700	512	43	79
19	53	74	25	85	90	566	76	150	2450	193	40	76
20	51	83	30	80	87	330	70	124	735	156	32	72
21	51	89	30	70	90	208	70	98	453	112	21	61
22	56	96	30	70	83	177	65	74	172	63	24	54
23	56	100	35	70	90	184	305	60	96	61	30	54
24	60	92	40	85	87	174	124	61	68	56	27	53
25	60	90	35	90	83	184	112	63	1250	53	24	51
26	65	85	40	55	77	1800	108	63	1170	46	20	51
27	74	85	50	65	70	860	76	56	325	43	15	54
28	68	77	50	80	74	363	76	48	168	38	15	9480
29	58	72	50	75	-----	212	72	46	159	27	13	4640
30	58	72	55	80	-----	538	67	112	100	21	15	654
31	61	-----	55	65	-----	623	-----	106	-----	22	13	-----
Mean	99.2	81.3	47.1	108	91.7	418	116	117	407	124	33.7	1924
Max.	678.0	106.0	72.0	360	145.0	1800	305	336	3700	941	70.0	16200
Min.	51.0	63.0	25.0	55	45.0	61	65	46	26	8	13.0	14
A. F.	6100.0	4840.0	2900.0	6650	5090.0	25680	6930	7180	24220	7620	2070.0	114500
Total acre-feet	219200											

BUREAU OF IRRIGATION

531

NEW YORK CREEK AT HERMAN—Sec. 32-20-11 E.
Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.
1	-----	0.8	1.0	0.2	0.3
2	-----	0.9	1.0	0.2	0.2
3	58.0	0.8	0.8	0.2	0.3
4	-----	0.7	0.8	0.2	1.0
5	-----	0.6	0.8	0.8	0.8
6	-----	0.5	0.9	0.6	5.6
7	-----	0.5	1.4	13.0	1.2
8	1.6	0.4	0.8	31.0	0.6
9	-----	0.4	0.8	0.8	0.7
10	-----	0.3	0.7	0.4	0.6
11	-----	0.3	0.5	0.4	0.3
12	-----	0.4	0.5	0.5	0.3
13	-----	0.4	0.5	0.5	0.3
14	-----	0.3	0.5	0.5	0.4
15	3.2	0.4	0.9	0.5	0.3
16	-----	0.3	0.8	0.3	0.3
17	-----	0.2	0.8	0.3	0.2
18	1.2	59.0	0.7	0.2	0.2
19	0.8	32.0	1.9	0.1	0.2
20	0.5	1.9	0.7	0.1	0.3
21	0.7	1.3	0.4	0.1	0.3
22	1.1	1.0	0.4	0.1	0.2
23	1.2	0.7	0.3	3.6	0.3
24	1.3	0.5	0.3	11.0	0.3
25	0.4	0.8	0.4	0.8	0.3
26	0.5	0.7	0.4	0.4	0.2
27	0.6	0.6	0.4	0.4	0.3
28	1.0	60.0	0.3	0.8	0.5
29	1.0	4.6	0.3	0.4	0.8
30	1.4	1.4	0.3	0.3	0.5
31	1.0	-----	0.3	0.3	-----
Mean	0.9	5.8	0.7	2.2	0.6
Max.	1.4	60.0	1.9	31.0	5.6
Min.	0.4	0.2	0.3	0.1	0.2
A. F.	25.0	343.0	41.0	13.7	35.0

Total acre-feet 581

NINE MILE DRAIN NEAR McGREW—Sec. 23-21-53 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	286	140	119	106	88	84	80	83	169	149	165	232
2	241	140	119	105	89	85	80	94	204	156	162	223
3	210	137	118	105	88	85	81	98	154	178	161	216
4	187	137	119	104	88	84	81	91	123	185	164	215
5	180	135	119	104	87	84	80	94	122	183	163	213
6	177	134	118	103	87	83	79	94	123	180	162	208
7	174	133	117	102	88	83	79	91	122	179	168	211
8	171	130	114	101	88	83	81	90	119	182	164	221
9	168	127	110	99	88	82	82	109	114	157	167	232
10	160	128	112	99	87	82	80	126	104	141	173	230
11	160	129	112	96	87	83	80	126	105	136	172	248
12	160	128	113	94	87	82	80	101	99	137	174	238
13	158	126	112	95	86	82	79	90	105	152	175	211
14	157	126	110	95	86	82	79	88	108	160	177	207
15	156	127	108	94	87	85	79	88	102	164	178	212
16	154	126	106	93	87	91	79	93	103	162	175	227
17	153	125	106	93	87	89	78	99	105	166	177	226
18	150	123	103	93	87	87	78	99	137	189	178	320
19	148	123	100	93	87	85	78	102	180	179	183	288
20	147	122	100	91	87	86	77	102	202	181	180	267
21	146	119	100	90	87	85	77	103	162	191	178	223
22	147	118	100	90	86	85	76	99	182	192	183	227
23	147	119	103	90	85	85	75	121	182	179	190	224
24	146	121	108	91	85	84	73	153	188	174	191	232
25	144	121	114	91	86	84	84	155	169	168	200	224
26	144	120	110	90	84	84	106	149	148	167	207	218
27	143	120	110	90	85	83	106	135	139	168	207	215
28	142	120	110	90	84	82	109	145	134	167	216	204
29	143	121	113	90	-----	82	106	154	141	166	217	190
30	140	120	108	88	-----	81	95	178	152	161	216	197
31	140	-----	108	88	-----	81	-----	167	-----	162	228	-----
Mean	164.0	126.0	110.0	95.3	86.7	84.0	83.0	113.0	140.0	168.0	182.0	226.0
Max.	286.0	140.0	119.0	106.0	89.0	91.0	109.0	178.0	204.0	192.0	228.0	320.0
Min.	140.0	118.0	100.0	88.0	84.0	81.0	73.0	83.0	99.0	136.0	161.0	190.0
A. F.	10070.0	7530.0	6780.0	5860.0	4820.0	5160.0	4950.0	6380.0	8320.0	10340.0	11210.0	13470.9

REPORT OF THE STATE ENGINEER

NIOBRARA RIVER ABOVE BOX BUTTE RESERVOIR—Sec. 27-29-50 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sent.
1	20	20	43	43	53	68	51	38	18	14	13	8
2	20	16	43	44	38	69	50	43	18	14	13	9
3	20	15	44	46	44	66	52	44	15	13	13	9
4	20	17	43	46	37	62	54	44	16	15	12	9
5	20	20	43	48	30	62	54	39	15	18	12	9
6	20	22	43	48	30	61	52	35	15	27	13	9
7	20	22	43	48	30	62	50	35	15	28	12	500
8	20	22	42	42	25	59	50	35	14	23	13	338
9	20	21	42	41	35	60	50	34	13	23	12	164
10	20	22	37	42	30	60	50	33	13	24	12	66
11	20	21	36	44	33	60	48	39	13	21	12	62
12	20	22	35	54	40	58	48	39	13	17	12	45
13	20	37	35	50	41	58	46	37	13	16	12	39
14	20	37	35	37	35	58	46	24	11	20	12	39
15	20	37	35	34	37	60	46	28	11	19	12	36
16	20	31	43	39	38	62	46	24	12	19	12	31
17	20	31	42	41	39	61	45	22	15	18	12	32
18	25	31	42	43	39	61	45	20	16	20	12	47
19	23	31	41	43	40	60	44	16	15	20	12	46
20	22	31	41	43	45	60	43	17	15	19	10	46
21	23	31	40	45	47	66	43	15	19	18	10	52
22	22	32	40	47	57	65	43	15	19	17	9	50
23	22	33	60	43	54	59	43	15	18	17	10	42
24	21	34	41	45	64	58	43	15	16	17	9	43
25	21	35	43	46	70	58	41	16	15	17	10	42
26	21	37	47	46	69	56	38	14	14	17	10	39
27	20	38	36	52	67	56	37	15	13	15	10	38
28	20	40	43	52	67	58	38	15	13	15	9	35
29	20	41	44	37	-----	55	37	16	14	14	9	34
30	21	42	45	41	-----	55	35	19	14	12	8	35
31	21	-----	45	60	-----	53	-----	19	-----	13	8	-----
Mean	21	29	42	45	44	60	46	27	15	18	11	63
Max.	25	42	60	54	70	68	52	44	19	28	13	500
Min.	20	15	35	34	25	53	35	14	11	12	8	8
A. F.	1270	1720	2560	2760	2450	3700	2710	1640	870	1110	680	3880
Total acre-feet 25350												

NIOBRARA RIVER BELOW BOX BUTTE RESERVOIR—Sec. 28-29-49 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sent.
1	19	1	1	2	1	0	0	4	0	6	105	15
2	18	1	1	0	1	0	0	4	0	6	97	15
3	6	1	1	0	1	0	0	4	0	6	97	14
4	0	1	1	0	1	0	0	5	0	20	100	14
5	0	1	1	0	0	0	0	5	0	14	95	14
6	0	1	1	1	0	1	1	5	0	4	89	15
7	0	1	1	1	0	1	1	5	1	4	89	9
8	0	1	1	0	0	0	1	5	2	4	89	2
9	0	1	1	0	0	1	1	4	2	3	92	2
10	0	2	0	0	0	1	1	4	3	3	81	2
11	0	2	0	0	0	1	1	4	3	4	71	1
12	0	1	0	0	0	1	2	4	2	4	71	1
13	0	1	0	0	1	1	2	4	2	12	62	1
14	0	1	0	0	1	1	2	4	2	34	52	1
15	1	1	0	0	1	0	2	3	2	43	52	1
16	1	1	0	0	2	1	2	4	2	63	52	1
17	1	1	0	1	2	0	2	3	2	86	52	1
18	0	1	0	1	1	0	2	3	2	105	52	2
19	1	1	0	1	1	1	2	2	2	105	52	0
20	1	1	0	1	1	0	2	2	2	100	62	10
21	1	0	0	1	1	0	3	1	5	95	70	9
22	1	1	0	1	1	0	3	1	5	95	70	2
23	0	1	0	1	1	0	3	1	4	105	70	2
24	1	1	0	1	1	0	3	0	4	130	63	2
25	0	2	0	2	1	0	3	1	4	120	54	2
26	1	1	0	2	1	1	3	0	4	115	53	2
27	1	2	0	2	1	0	4	0	4	115	29	2
28	1	1	1	2	1	0	4	0	4	115	14	2
29	1	0	1	2	-----	0	4	0	5	110	14	2
30	1	1	1	2	-----	1	3	0	5	130	15	2
31	1	-----	2	1	-----	1	0	-----	-----	125	15	-----
Mean	2	1	0.5	1	1	0.4	2	3	2	60	65	5
Max.	19	2	2	2	2	1	4	5	5	130	105	15
Min.	0	0	0	0	0	0	0	0	0	3	14	0
A. F.	110	60	30	50	40	30	110	160	140	3720	3930	290

BUREAU OF IRRIGATION

533

NIORRARA RIVER NEAR GORDON—Sec. 26-31-42 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	90	110	120	172	114	108	118	72	65	128
2	---	---	75	110	110	188	111	94	111	72	60	125
3	---	---	80	120	110	157	121	88	111	157	54	114
4	---	---	75	120	100	149	125	77	105	102	54	108
5	---	---	95	120	140	149	111	96	96	114	56	114
6	---	---	100	180	140	157	105	96	82	131	60	118
7	---	---	100	120	120	176	105	100	77	99	63	233
8	---	---	90	120	80	168	105	111	75	80	60	153
9	---	---	40	110	85	157	102	110	77	75	60	111
10	---	---	40	110	100	184	111	110	77	72	63	118
11	---	---	50	100	130	180	121	118	77	80	60	118
12	---	---	65	110	130	202	114	120	105	77	60	118
13	---	---	65	150	140	197	108	115	85	85	60	111
14	---	---	70	130	140	197	105	110	77	91	58	105
15	---	---	55	110	150	188	105	105	70	85	60	94
16	---	---	75	110	161	161	105	100	68	77	60	88
17	---	---	75	120	149	145	100	100	72	72	60	82
18	87	---	80	120	157	168	95	100	99	72	60	1610
19	---	---	80	110	164	161	100	100	138	82	56	961
20	---	---	80	100	153	157	100	100	123	77	58	334
21	---	---	75	95	164	142	100	96	111	72	63	184
22	92	---	75	110	161	128	100	91	105	70	102	176
23	---	---	80	110	172	131	90	88	111	65	161	142
24	---	---	70	100	176	153	90	99	108	72	157	131
25	---	---	75	100	176	102	91	99	94	82	149	149
26	---	---	85	90	180	105	90	91	82	85	161	153
27	94	---	90	100	164	105	90	85	77	88	161	135
28	---	---	90	100	164	121	85	85	75	75	142	121
29	---	---	95	110	---	114	85	91	72	70	121	111
30	---	---	100	75	---	121	82	102	72	68	121	105
31	---	---	100	110	---	121	---	118	---	60	118	---
Mean	---	---	77.9	112	141	153	102	100	91.8	83.2	85.3	212
Max.	---	---	100.0	180	180	202	125	120	138.0	157.0	161.0	1610
Min.	---	---	40.0	75	80	102	82	77	68.0	60.0	54.0	82
A. F.	---	---	4790.0	6900	7810	9430	6080	6150	5460.0	5120.0	5240.0	12600

Total acre-feet 69580

NIORRARA RIVER NEAR SPARKS—Sec. 22-34-26 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	---	---	900	840	590	974	932	830	820	693	554	655
2	---	771	900	840	960	1040	870	1170	820	684	572	684
3	---	---	900	840	1120	1040	922	1120	900	693	572	665
4	---	---	900	840	1020	1040	943	1020	790	1050	591	637
5	---	---	949	900	780	1040	880	974	770	790	628	628
6	---	---	600	880	760	943	880	953	770	770	563	646
7	---	---	600	1000	560	943	870	912	770	674	600	996
8	---	---	600	1030	950	953	880	830	760	712	563	985
9	---	---	600	1090	950	943	850	860	732	674	554	1310
10	---	---	600	1180	900	912	880	901	703	665	591	880
11	---	---	600	940	940	964	850	860	732	609	545	722
12	---	---	430	940	870	974	830	790	770	609	572	693
13	---	---	570	940	790	985	840	741	760	591	572	684
14	---	---	500	940	800	974	820	751	722	618	609	693
15	---	---	190	940	940	985	820	751	703	646	609	684
16	---	---	220	860	1150	1150	790	760	741	674	618	665
17	---	---	400	860	1210	1260	780	760	741	684	572	646
18	---	---	570	860	1180	1180	800	732	932	655	563	780
19	---	---	760	860	1240	1140	790	732	1160	618	545	1470
20	---	---	800	860	1330	1090	800	732	953	618	545	1620
21	---	---	800	860	1420	1120	800	712	820	572	563	1160
22	---	---	800	730	1320	1140	880	712	810	655	563	912
23	---	---	800	870	1330	1140	840	732	790	591	572	790
24	---	---	800	990	1060	1080	830	780	751	791	646	751
25	---	---	800	990	1010	1090	780	751	760	618	628	693
26	---	---	800	870	1020	1140	770	732	751	600	860	703
27	---	---	800	710	1010	1060	732	722	850	637	810	712
28	---	---	800	820	1030	1020	712	703	810	618	780	732
29	---	---	800	820	---	996	712	722	741	609	770	712
30	---	---	800	600	---	964	684	820	665	646	703	693
31	---	---	800	340	---	912	---	820	---	572	646	---
Mean	---	---	688	874	1009	1038	826	819	790	659	615	820
Max.	---	---	---	---	1420	1260	943	1170	1160	1050	860	1620
Min.	---	---	190	---	560	912	684	703	665	572	545	628
A. F.	---	---	42300	53750	56010	63850	49120	50350	47000	40530	37840	48800

Total acre-feet 489600

NIOBRARA RIVER NEAR SPENCER—Sec. 30-33-11 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1320	1190	365	1360	935	2750	1360	1070	1460	973	724	935
2	1320	1160	445	1360	999	2940	1170	1820	1310	865	574	903
3	1400	1170	840	1500	919	2830	1340	1930	1200	884	575	903
4	1170	1210	903	1500	935	1960	1340	1930	1040	2250	865	1070
5	1190	1230	983	1480	1120	1340	1380	1600	1030	1810	2240	951
6	1210	1170	1170	1450	1120	1380	1340	1580	968	1620	930	967
7	1170	1210	1500	1400	1160	1820	1320	1520	977	1230	833	1400
8	1140	1210	1600	1380	1120	1380	1300	1380	986	1160	776	2190
9	1100	1080	1380	1460	1080	1480	1250	1360	928	894	746	2710
10	1160	1140	580	1400	1070	1620	1420	1400	847	932	750	2530
11	1120	1400	395	1360	1230	2090	1600	1420	744	876	728	1790
12	1160	1360	348	1250	1380	1760	1450	1340	1060	765	700	1290
13	1160	1270	435	1210	1320	1920	1230	1170	1100	747	838	1120
14	1170	1210	580	1230	1300	1830	1250	1170	950	743	749	1070
15	1170	1250	500	1250	1300	1800	1400	1190	885	748	749	1020
16	1170	1320	445	1120	1270	2350	1160	1170	812	844	687	1060
17	1100	1230	455	1230	1400	3640	1210	1420	814	834	821	1020
18	1160	1230	488	1320	1580	2780	1160	1250	1260	804	798	1500
19	1120	1230	445	1340	1850	2150	1160	1190	1840	802	724	2320
20	1160	1250	500	1250	1870	1870	1100	1170	1900	891	683	1550
21	1190	645	568	1230	1900	1790	1080	1080	1480	733	675	2750
22	1160	385	619	1190	2280	1920	1360	1080	1210	704	732	2150
23	1210	356	710	1210	2250	1860	1300	1190	1030	689	774	1580
24	1210	500	768	1230	2390	1850	1210	1400	1010	834	776	1300
25	1270	861	840	1210	2830	1800	1140	1320	1050	912	770	1160
26	1170	1250	840	1210	3270	2210	1120	1100	866	798	1030	1100
27	1190	1790	903	1140	2740	1820	1120	1080	1120	751	1260	1080
28	1210	2120	887	1170	2560	1660	1080	1030	1180	674	1380	1160
29	1080	1710	1020	1170	.....	1550	1050	983	1080	800	1060	1190
30	1100	1680	1120	1100	.....	1480	1030	1170	1040	649	1060	1190
31	1100	.....	1250	1080	.....	1450	.....	1550	.....	724	1000	.....
Mean	1179	1194	770	1282	1614	1970	1248	1325	1105	934	871	1432
Max.	1400	2120	1600	1500	3270	3640	1600	1930	1900	2250	2240	2750
Min.	1080	356	348	1080	919	1340	1030	983	744	649	574	903
A. F.	72520	71040	47370	78800	89610	121200	74240	81450	65770	57400	53570	85190

Total acre-feet 898100

OMAHA CREEK AT HOMER—Sec. 12-27-8 E.
Water Year Ending September 30, 1946

Day	Apr.	May	June	July	Aug.	Sept.
1	.....	20.0	20.0	42.0	5.6	5.2
2	.....	21.0	18.0	25.0	5.6	5.6
3	.....	129.0	14.0	21.0	5.6	6.0
4	.....	26.0	13.0	18.0	5.6	6.5
5	.....	11.0	12.0	22.0	10.0	8.0
6	6.2	9.0	12.0	16.0	11.0	9.0
7	7.0	10.0	10.0	14.0	7.0	33.0
8	7.5	10.0	9.0	12.0	8.5	33.0
9	8.0	10.0	8.5	12.0	5.6	93.0
10	8.5	22.0	8.0	12.0	5.2	32.0
11	15.0	22.0	8.5	10.0	5.2	10.0
12	12.0	13.0	6.2	9.5	5.2	5.6
13	10.0	10.0	6.6	9.5	5.2	4.4
14	8.0	9.0	6.6	10.0	5.2	4.4
15	8.0	9.0	8.0	17.0	5.2	4.8
16	7.5	7.5	8.0	14.0	4.8	4.0
17	8.5	8.0	8.0	14.0	6.0	3.2
18	11.0	12.0	125.0	12.0	4.8	2.8
19	13.0	25.0	182.0	10.0	3.2	6.5
20	13.0	9.5	37.0	9.0	2.4	7.5
21	13.0	8.0	14.0	7.5	2.4	5.6
22	24.0	7.5	12.0	7.0	2.4	4.4
23	29.0	185.0	12.0	6.5	2.8	4.4
24	21.0	357.0	12.0	6.5	8.5	4.0
25	18.0	71.0	71.0	7.5	8.5	2.8
26	17.0	29.0	15.0	8.0	5.2	2.4
27	17.0	24.0	115.0	7.0	5.2	7.0
28	20.0	21.0	195.0	7.0	12.0	7.5
29	20.0	19.0	618.0	6.0	6.0	11.0
30	19.0	115.0	390.0	5.6	5.2	6.0
31	.....	34.0	.....	5.2	5.2	.....
Mean	13.6	40.8	65.8	12.3	5.8	11.3
Max.	29.0	357.0	618.0	42.0	12.0	93.0
Min.	6.2	7.5	6.2	5.2	2.4	2.4
A. F.	677.0	2510.0	3920.0	759.0	358.0	674.0

Total acre-feet 898100

BUREAU OF IRRIGATION

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PLUM CREEK NEAR SMITHFIELD—Sec. 15-8-21 W.
Water Year Ending September 30, 1946

Day	June	July	Aug.	Sept.
1	-----	0.6	0.0	0.0
2	-----	4.8	0.0	0.5
3	-----	12.0	0.0	0.9
4	-----	5.9	0.0	0.6
5	-----	4.0	0.0	0.3
6	-----	2.5	0.0	2.4
7	-----	1.4	0.0	108.0
8	-----	1.9	0.0	82.0
9	-----	1.5	0.0	24.0
-0	-----	0.8	0.0	11.0
11	-----	0.5	0.0	5.4
12	-----	0.4	0.0	5.2
13	-----	0.0	0.0	3.7
14	-----	0.1	0.0	2.4
15	-----	24.0	0.0	1.0
16	-----	16.0	0.0	0.5
17	-----	12.0	0.0	0.2
18	-----	1.6	0.0	0.3
19	-----	0.5	0.0	15.0
20	-----	0.1	0.0	8.4
21	-----	0.0	0.0	8.4
22	3.6	0.0	0.3	6.0
23	1.0	0.0	3.0	3.3
24	13.0	0.0	0.6	1.8
25	29.0	0.0	0.3	0.7
26	37.0	0.0	0.3	0.4
27	19.0	0.0	0.2	0.1
28	6.0	0.0	0.1	0.3
29	3.1	0.0	0.0	2.6
30	1.3	0.0	0.0	0.5
31	-----	0.0	0.0	-----
Mean	12.6	2.9	0.2	9.9
Max.	37.0	24.0	3.0	108.0
Min.	1.0	0.0	0.0	0.0
A. F.	224.0	180.0	9.5	587.0

Total acre-feet 1000

PRAIRIE DOG CREEK NEAR WOODRUFF, KAN.—Sec. 33-1-18 W.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.2	1.1	4.9	3	5	8.7	7.5	4.5	102.0	174	20.0	7.3
2	2.2	1.1	4.8	4	6	8.0	7.0	4.7	56.0	110	8.4	135.0
3	3.4	2.1	4.9	4	6	8.9	5.8	4.8	52.0	47	5.3	45.0
4	2.8	4.9	4.6	5	7	8.3	5.0	5.7	30.0	161	3.4	34.0
5	2.4	1.6	4.6	5	7	8.2	4.5	6.5	19.0	1120	2.2	8.7
6	1.7	.9	4.5	5	7	8.0	4.8	6.8	14.0	684	1.8	4.0
7	2.6	.9	3.8	6	7	8.0	4.8	6.6	11.0	162	2.2	4.2
8	2.7	.8	4.0	6	8	8.2	5.2	5.9	9.2	102	2.7	4.4
9	2.3	1.4	4.0	5	7	8.2	5.8	6.5	8.0	59	2.8	2.3
10	1.0	1.9	4.0	5	6	8.4	6.3	7.0	6.9	38	2.2	26.9
11	1.0	2.2	4.0	5	6	7.5	5.7	5.7	5.9	26	1.3	11.0
12	1.1	2.2	3.0	5	6	6.9	5.8	5.3	5.4	21	7.4	6.6
13	1.1	2.6	3.0	5	5	8.0	5.8	6.6	4.4	18	58.0	318.0
14	1.0	2.7	3.0	4	6	7.9	6.2	7.3	4.0	17	3.2	114.0
15	.9	2.4	3.0	5	6	9.6	5.9	7.3	9.9	23	1.2	13.0
16	1.0	2.1	3.0	5	6	9.3	5.9	258.0	3.9	26	.8	4.4
17	.9	2.7	3.0	5	6	10.0	5.9	109.0	2.9	18	1.1	2.6
18	.9	3.6	2.0	5	6	48.0	5.8	39.0	3.7	16	1.1	17.0
19	.5	8.0	2.0	5	7	49.0	5.4	35.0	249.0	54	.8	128.0
20	.4	4.7	2.0	6	6	26.0	5.3	72.0	102.0	75	.2	31.0
21	.2	1.9	2.0	6	9	14.0	4.8	51.0	62.0	40	.1	23.0
22	.3	2.3	2.0	5	9	11.0	4.8	20.0	150.0	15	.4	10.0
23	.7	2.8	2.0	5	10	11.0	4.7	10.0	184.0	12	11.0	11.0
24	.9	2.9	2.0	5	15	9.9	4.8	15.0	88.0	11	1.8	20.0
25	.6	3.2	2.0	5	15	9.0	4.6	15.0	47.0	13	55.0	15.0
26	.4	3.1	2.0	5	12	9.3	4.5	87.0	31.0	9.4	9.6	7.6
27	.3	3.1	2.0	5	11	14.0	4.6	32.0	21.0	8.4	2.7	5.0
28	.2	3.9	2.0	5	9.9	19.0	4.4	14.0	14.0	7.9	1.7	3.5
29	0	4.0	2.0	5	-----	33.0	4.2	43.0	23.0	7.3	1.2	3.0
30	2.2	8.4	3.0	5	-----	14.0	4.2	1120.0	145.0	146.0	1.2	3.0
31	2.4	-----	3.0	6	-----	9.2	-----	780.0	-----	84.0	1.2	-----
Mean	1.3	2.8	3.1	5	7.8	13.5	5.3	90.0	48.8	107.0	6.8	33.9
Max.	3.4	8.4	4.9	6	15.0	49.0	7.5	1120.0	249.0	1120.0	58.0	318.0
Min.	0	.8	2.0	3	5.0	6.9	4.2	4.5	2.9	7.3	.1	2.3
A. F.	78.0	170.0	191.0	307	430.0	830.0	317.0	5540.0	2900.0	6560.0	420.0	2020.0

Total acre-feet 19760

REPORT OF THE STATE ENGINEER

PUMPKINSEED CREEK NEAR BRIDGEPORT—Sec. 12-19-50 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52	45	49	49	47	48	45	29	60	44.0	8.8	39
2	48	44	49	51	53	48	45	35	63	32.0	9.1	40
3	45	44	49	51	54	49	48	33	51	35.0	9.4	48
4	48	44	49	50	56	49	47	33	48	43.0	9.4	49
5	47	43	51	49	52	49	46	33	45	49.0	9.7	39
6	47	44	52	51	42	53	46	35	45	54.0	9.4	33
7	47	45	54	50	51	54	46	34	43	45.0	9.7	33
8	46	45	54	51	57	52	46	34	36	39.0	9.4	41
9	45	45	48	51	56	51	46	33	34	39.0	10.0	51
10	45	46	43	51	60	51	46	33	34	32.0	16.0	51
11	45	46	45	51	60	50	45	34	32	26.0	16.0	50
12	45	45	47	46	58	49	45	52	25	21.0	22.0	45
13	44	45	47	45	56	50	44	49	22	16.0	28.0	33
14	45	45	41	51	52	49	42	42	21	19.0	25.0	28
15	45	46	40	48	58	50	41	37	19	20.0	19.0	27
16	43	46	43	48	54	54	40	40	16	13.0	20.0	27
17	43	47	43	48	54	55	42	40	15	13.0	20.0	24
18	46	48	42	49	54	54	42	36	22	14.0	14.0	26
19	47	46	40	49	53	52	43	33	39	18.0	10.0	34
20	48	48	39	49	53	50	42	39	45	22.0	9.7	51
21	49	47	39	47	53	48	43	35	38	22.0	10.0	49
22	49	46	40	47	53	47	39	36	29	22.0	11.0	45
23	51	46	40	50	53	45	31	38	33	17.0	12.0	40
24	50	50	37	47	53	45	26	49	36	16.0	12.0	37
25	51	49	39	51	51	48	26	51	34	15.0	12.0	36
26	51	51	40	49	49	50	19	60	34	15.0	13.0	38
27	50	51	41	49	48	49	18	57	34	19.0	13.0	39
28	50	51	42	49	48	49	18	47	34	21.0	20.0	35
29	51	51	45	50	-----	48	20	53	46	19.0	26.0	35
30	49	51	49	48	-----	46	24	59	56	9.4	24.0	36
31	48	-----	48	40	-----	46	-----	55	-----	8.5	30.0	-----
Mean	47.5	46.7	44.7	48.9	53.1	49.6	38.4	41.1	36.3	25.1	15.1	38.6
Max.	52.0	51.0	54.0	51.0	60.0	55.0	48.0	60.0	63.0	54.0	30.0	51.0
Min.	43.0	43.0	37.0	40.0	42.0	45.0	18.0	29.0	15.0	8.5	8.8	24.0
A. F.	2920.0	2780.0	2750.0	3000.0	2950.0	3050.0	2280.0	2530.0	2160.0	1540.0	927.0	2300.0

Total acre-feet 29190

RED WILLOW CREEK NEAR BAYARD—Sec. 7-20-51 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	183	109	94	80	71	62	56	88	224	87	52	148
2	159	110	92	80	71	62	57	96	234	81	52	148
3	154	109	91	80	70	63	57	72	137	76	52	148
4	138	109	91	78	71	62	57	77	90	74	54	134
5	130	108	92	78	68	61	58	80	88	77	55	134
6	126	108	92	77	69	61	57	83	87	91	63	135
7	122	108	91	77	71	60	58	82	74	116	63	137
8	121	106	88	77	68	59	58	75	83	150	63	138
9	121	105	88	77	69	59	60	151	59	148	68	146
10	118	106	87	77	68	61	56	222	52	132	68	145
11	118	105	87	76	69	62	57	161	49	109	67	170
12	118	103	88	75	68	61	58	96	46	90	68	182
13	118	101	87	75	67	61	58	91	48	91	81	187
14	118	101	86	75	64	61	57	82	51	102	76	195
15	118	101	85	74	67	64	58	81	51	85	72	199
16	116	99	85	72	66	74	57	106	51	70	68	194
17	116	98	83	72	64	69	55	212	56	68	63	185
18	115	98	83	72	64	67	55	156	61	76	64	280
19	114	98	85	71	63	64	56	108	88	69	63	234
20	115	98	86	71	64	64	56	90	103	74	61	213
21	114	95	85	71	64	62	59	78	127	82	60	213
22	114	94	85	71	64	61	59	71	130	81	66	256
23	112	92	84	70	63	62	57	90	109	70	75	245
24	114	94	84	72	63	61	56	122	76	71	80	210
25	115	94	83	74	63	66	56	116	63	76	85	194
26	115	94	83	72	61	62	59	124	54	76	99	183
27	114	95	82	71	62	61	58	115	39	70	98	153
28	114	95	82	72	63	60	55	122	43	69	121	130
29	112	96	81	72	-----	59	51	108	69	63	137	121
30	109	94	81	70	-----	58	59	183	68	54	142	121
31	110	-----	81	70	-----	57	-----	226	-----	51	146	-----
Mean	122.0	101	86.2	74.2	66.2	62.1	57.0	115	83.7	84.8	76.8	176
Max.	183.0	110	94.0	80.0	71.0	74.0	60.0	226	234.0	150.0	146.0	280
Min.	109.0	92	81.0	70.0	61.0	57.0	51.0	71	39.0	51.0	52.0	121
A. F.	7500.0	5990	5300.0	4560.0	3680.0	3820.0	3390.0	7070	4990.0	5210.0	4720.0	10470

Total acre-feet 66690

BUREAU OF IRRIGATION

537

RED WILLOW CREEK NORTH OF McCOOK—Sec. 6-4-29 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	18	23	17	15	26	26	24	48	25	9.2	15
2	28	18	23	17	15	26	25	25	46	22	9.2	15
3	25	19	20	17	15	26	26	34	46	23	9.2	14
4	23	19	15	17	23	26	25	34	44	30	9.2	12
5	20	19	20	17	16	26	25	34	40	85	8.6	12
6	19	20	20	17	16	27	24	40	38	42	10.0	12
7	18	19	20	10	16	27	23	30	34	29	7.0	11
8	18	20	20	15	16	24	22	30	22	33	7.0	13
9	17	20	10	15	16	28	22	30	22	26	7.0	291
10	18	20	15	15	16	28	22	29	20	22	6.3	106
11	18	20	20	15	14	30	22	28	19	20	6.5	63
12	18	20	20	15	14	32	23	28	19	18	7.5	45
13	18	20	20	15	14	32	23	26	19	17	9.2	38
14	18	20	15	15	14	32	22	24	18	15	10.0	34
15	18	20	15	14	14	34	21	22	17	17	10.0	33
16	18	20	18	14	15	37	22	20	17	22	11.0	30
17	17	20	18	14	15	42	22	20	16	20	10.0	26
18	18	20	18	14	27	46	22	18	70	17	9.2	24
19	19	20	18	14	25	44	21	18	70	16	8.6	21
20	19	20	18	14	25	42	21	18	70	15	7.8	18
21	19	20	18	23	25	40	22	18	16	14	7.3	16
22	18	15	18	20	25	40	22	18	16	13	8.9	15
23	18	10	18	20	25	39	21	18	16	12	8.9	14
24	18	20	18	20	25	36	21	58	36	11	7.5	12
25	18	20	18	20	21	35	21	27	26	11	8.6	12
26	18	23	18	12	22	34	20	28	25	10	132.0	12
27	19	22	21	12	24	32	20	31	25	21	30.0	12
28	19	22	21	12	25	32	20	32	24	23	26.0	12
29	18	22	21	12	-----	30	18	244	67	23	24.0	12
30	18	22	21	12	-----	29	19	632	32	13	19.0	12
31	18	-----	21	12	-----	28	-----	66	-----	9.7	16.0	-----
Mean	19.4	19.6	18.7	15.4	19	32.6	22.1	55	32.6	21.9	14.9	32.1
Max.	33.0	23.0	-----	-----	-----	46.0	26.0	632	-----	85.0	132.0	291.0
Min.	17.0	10.0	-----	-----	-----	24.0	-----	-----	-----	9.7	6.3	11.0
A. F.	1190.0	1170.0	1150.0	944.0	1060	2000.0	1320.0	3380	1940.0	1350.0	914.0	1910.0

Total acre-feet 18330

RED WILLOW CREEK NEAR RED WILLOW—Sec. 8-3-28 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	41	24	27	30	15	35	31	26	59	30	14	20
2	35	24	27	29	15	35	29	27	50	25	14	20
3	31	24	20	29	20	34	28	40	48	44	13	19
4	29	25	25	30	20	34	26	40	44	147	14	18
5	28	25	25	25	15	34	26	40	41	105	13	20
6	27	26	20	25	20	35	26	49	38	70	14	17
7	26	26	20	25	20	35	26	37	34	54	13	17
8	25	25	20	30	15	34	26	37	31	34	12	23
9	24	26	25	20	20	33	27	37	29	46	12	212
10	24	25	25	25	25	35	27	37	27	29	12	198
11	23	25	25	20	20	35	27	32	25	26	11	89
12	22	26	25	30	15	36	27	32	24	24	11	62
13	22	25	25	25	15	37	27	32	24	24	14	44
14	21	25	20	20	15	38	27	32	23	24	14	39
15	21	25	25	25	15	40	27	32	23	60	13	37
16	21	26	25	30	15	43	27	22	23	25	13	35
17	21	26	20	20	20	44	27	22	37	28	12	32
18	21	25	25	20	25	46	27	22	87	24	12	29
19	21	26	20	20	33	48	27	22	246	22	12	27
20	21	26	25	25	33	46	27	24	40	20	11	24
21	21	26	20	25	33	46	26	24	31	20	11	22
22	21	20	25	25	33	44	25	24	33	19	11	21
23	21	15	25	20	33	44	26	24	28	18	12	20
24	22	20	25	30	33	42	25	54	53	17	12	19
25	21	30	25	20	34	41	25	38	35	17	12	18
26	21	25	25	15	34	40	25	27	31	17	113	18
27	22	26	25	15	33	37	24	28	30	18	73	18
28	22	26	30	15	34	36	24	29	27	31	28	18
29	22	26	30	15	-----	35	24	30	94	25	27	18
30	23	26	33	15	-----	33	24	884	43	28	24	18
31	23	-----	32	15	-----	32	-----	147	-----	15	21	-----
Mean	24	24.8	24.6	23	23.5	38.3	26.3	62.9	45.3	35	19.3	39.1
Max.	41	30.0	33.0	30	34.0	48.0	31.0	884.0	246.0	147	113.0	212.0
Min.	21	15.0	20.0	15	15.0	32.0	24.0	-----	23.0	15	11.0	17.0
A. F.	1470	1480.0	1520.0	1410	1310.0	2350.0	1570.0	3870.0	2690.0	2150	1190.0	2320.0

Total acre-feet 23330

REPUBLICAN RIVER AT COLORADO-NEBRASKA LINE—Sec. 10-1-42 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58	41	61	62	58	58	60	52	38	6	6	13
2	46	41	57	64	62	64	62	26	37	7	6	12
3	44	40	57	61	55	66	58	28	37	14	6	14
4	43	42	60	62	57	60	58	29	37	28	6	14
5	45	45	64	64	60	62	61	32	43	41	6	14
6	47	43	60	65	60	67	64	33	43	46	11	13
7	47	42	58	66	55	72	53	33	38	37	8	37
8	44	44	58	64	58	67	53	37	34	143	8	71
9	45	46	57	60	55	72	60	69	23	106	8	70
10	47	50	61	64	57	70	55	46	21	58	6	28
11	46	62	65	66	53	69	52	35	20	52	5	21
12	43	62	57	64	58	65	53	43	19	49	5	21
13	42	57	53	62	53	67	56	40	20	31	6	20
14	41	60	49	62	57	64	56	40	15	20	6	20
15	41	58	50	60	57	65	53	42	11	37	6	17
16	41	61	55	61	60	103	55	40	9	29	6	17
17	40	62	60	62	58	97	53	34	10	23	6	17
18	40	58	62	62	58	82	52	37	14	15	6	15
19	40	58	65	61	65	76	52	52	19	27	5	19
20	40	60	67	61	60	79	53	29	14	21	5	17
21	40	56	65	60	62	79	49	22	13	21	5	20
22	40	60	58	65	61	80	49	23	12	20	7	23
23	40	60	56	65	56	79	49	27	34	13	8	26
24	40	58	56	65	61	76	47	29	14	10	8	25
25	40	60	56	67	66	74	47	25	6	10	7	24
26	36	60	58	66	58	73	42	22	6	10	22	25
27	35	60	60	67	62	74	36	24	6	9	16	25
28	37	60	61	67	61	78	22	55	8	7	13	25
29	36	57	62	66	-----	69	21	55	11	6	17	40
30	38	61	61	62	-----	58	25	41	10	7	15	36
31	41	-----	61	57	-----	58	-----	41	-----	6	14	-----
Mean	42	54	59	64	59	72	50	37	21	29	8	25
Max.	58	62	67	67	66	103	64	69	43	143	22	71
Min.	35	40	49	57	53	58	21	22	6	6	5	12
A. F.	2580	3220	3630	3890	3260	4410	2990	2260	1230	1800	511	1470

Total acre-feet 31250

REPUBLICAN RIVER, SOUTH FORK, NEAR BENKELMAN—Sec. 31-1-37 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	46	40	61	85	35	54	29	61	95	1	28	20
2	33	34	69	95	40	61	38	80	83	1	26	20
3	19	29	55	100	50	50	28	64	91	3500	24	11
4	8	23	4	110	60	40	28	50	95	300	28	12
5	12	26	5	110	60	35	28	44	77	140	20	9
6	13	26	15	100	55	40	22	36	65	50	20	7
7	19	28	20	80	60	74	28	44	50	5	13	11
8	16	26	35	75	65	54	38	42	33	2000	13	83
9	19	29	30	70	85	52	42	102	38	1000	11	29
10	23	33	25	50	85	57	40	115	28	500	7	20
11	19	36	18	40	75	48	36	108	34	200	5	23
12	20	36	15	25	100	40	33	95	36	100	5	23
13	20	40	12	55	110	46	40	59	30	50	8	16
14	22	46	10	30	130	42	31	50	24	10	11	13
15	26	38	10	30	108	50	36	59	19	1500	7	13
16	19	40	18	35	270	174	44	64	16	350	4	13
17	20	40	6	40	666	203	48	77	23	200	2	8
18	14	38	6	45	382	118	38	88	23	140	0.5	7
19	18	36	10	45	95	91	36	72	142	5500	0.1	8
20	16	34	10	40	77	95	33	52	102	2000	0.0	9
21	10	38	10	40	59	72	24	52	80	600	0.0	10
22	26	36	10	35	50	54	23	44	61	188	0.0	10
23	33	34	1	30	52	57	26	701	18	115	0.0	7
24	34	54	4	25	57	64	23	504	14	85	0.0	10
25	33	77	10	30	48	57	26	352	10	85	0.0	10
26	36	61	10	35	44	74	24	95	8	69	0.0	12
27	23	48	30	40	61	67	18	72	7	61	0.0	12
28	19	46	90	40	61	61	14	98	6	213	0.0	8
29	23	48	80	40	-----	44	19	193	5	52	44.0	14
30	34	50	95	35	-----	46	22	170	1	42	29.0	12
31	29	-----	100	35	-----	38	-----	126	-----	34	23.0	-----
Mean	22.6	39.3	28.2	53.1	109	66.4	30.5	122	43.8	616	10.6	15.4
Max.	46.0	77.0	100.0	110.0	666	203.0	48.0	701	142.0	5500	44.0	83.0
Min.	8.0	26.0	1.0	25.0	35	35.0	14.0	36	1.0	1	0.0	7.0
A. F.	1390.0	2340.0	1730.0	3260.0	6030	4080.0	1810.0	7480	2610.0	37870	652.0	914.0

Total acre-feet 70170

BUREAU OF IRRIGATION

REPUBLICAN RIVER AT CULBERTSON—Sec. 17-3-31 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	181	72	175	120	190	133	124	115	310	38	50	8
2	175	68	181	130	190	124	129	133	208	20	40	13
3	157	82	130	120	180	129	115	124	240	10400	46	11
4	75	92	80	140	160	133	89	124	280	1230	56	5
5	65	97	80	170	180	138	89	124	320	300	48	1
6	56	97	80	160	140	232	92	144	290	533	31	1
7	65	89	80	100	120	163	115	120	272	330	20	1
8	68	92	80	130	260	272	120	133	150	330	20	10
9	72	97	80	200	240	106	169	208	97	708	17	120
10	78	115	80	190	200	115	188	240	78	528	15	72
11	72	110	80	170	230	163	133	330	65	320	6	50
12	72	124	80	80	180	92	110	232	72	208	8	36
13	72	101	30	140	230	101	85	216	78	157	28	29
14	78	68	30	95	210	129	82	194	58	124	24	16
15	78	75	30	70	190	144	115	181	49	891	19	12
16	75	106	30	110	190	340	89	163	41	985	17	11
17	85	120	30	130	230	691	89	138	34	488	8	11
18	72	124	30	120	264	570	89	157	97	300	6	10
19	65	115	30	140	175	478	92	144	678	2530	4	6
20	68	89	30	120	181	360	97	169	388	2830	3	7
21	58	115	30	110	163	350	78	175	181	476	3	7
22	56	50	30	120	157	320	89	150	129	350	3	5
23	75	70	30	160	181	240	75	144	75	232	2	5
24	97	110	30	120	163	256	82	2150	48	181	2	5
25	82	130	30	190	169	240	82	657	36	150	2	5
26	85	157	30	130	169	256	82	380	50	138	4	9
27	85	169	30	150	188	224	65	300	46	106	2	9
28	85	150	30	80	144	240	50	232	24	129	2	7
29	78	138	45	100	-----	256	65	404	97	106	2	9
30	82	157	55	120	-----	194	50	452	97	85	2	11
31	82	-----	90	110	-----	150	-----	350	-----	65	2	-----
Mean	83.7	106	60.5	130	188	237	97.6	283	153	815	15.9	16.7
Max.	181.0	169	181.0	200	264	691	188.0	2150	678	10400	56.0	120.0
Min.	56.0	50	-----	70	120	92	50.0	115	24	20	2.0	1.0
A. F.	5150.0	6310	3720.0	7980	10460	14560	5810.0	17420	9100	50120	976.0	996.0

Total acre-feet 132600

REPUBLICAN RIVER AT CAMBRIDGE—Sec. 28-4-25 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	369	306	375	330	260	444	381	282	828	534	180	56
2	425	300	388	370	340	425	352	363	618	485	146	70
3	425	311	381	380	380	406	357	406	498	5500	122	64
4	388	317	381	390	390	406	328	406	471	5540	146	58
5	346	300	284	440	400	419	306	375	471	1080	171	61
6	346	311	334	470	430	471	300	406	438	1110	158	70
7	300	295	357	490	420	444	306	381	406	658	166	70
8	257	311	375	390	490	520	300	311	369	594	104	122
9	282	284	394	410	520	505	334	346	306	1240	87	711
10	268	300	400	430	450	431	381	444	257	828	67	1600
11	273	295	400	430	500	451	406	527	237	563	56	846
12	257	289	200	400	530	458	406	534	217	444	44	485
13	242	289	150	340	540	425	388	419	207	352	81	317
14	279	262	140	340	560	444	357	363	184	592	108	247
15	237	284	140	360	610	444	317	306	146	1670	75	212
16	237	306	140	400	590	610	346	268	130	1850	61	198
17	247	300	130	380	610	927	311	273	122	1040	56	171
18	252	334	130	430	634	810	295	252	722	594	48	184
19	252	334	130	410	610	738	295	212	1480	674	44	194
20	257	334	120	470	578	666	295	242	1020	4130	34	158
21	273	334	150	460	556	556	289	289	498	1720	30	134
22	252	340	170	500	556	520	311	284	375	900	44	138
23	262	273	170	470	498	506	300	323	279	714	75	134
24	279	227	160	450	491	491	295	3260	479	438	48	134
25	289	289	170	440	444	464	257	1630	444	375	48	134
26	289	394	210	430	419	548	252	846	242	317	53	126
27	300	394	270	390	406	527	252	650	257	334	284	101
28	300	394	270	340	419	471	207	642	217	268	104	126
29	300	375	260	350	-----	491	171	786	1410	311	75	112
30	300	346	270	300	-----	458	171	2030	927	268	67	126
31	300	-----	290	290	-----	425	-----	1540	-----	227	56	-----
Mean	292	314	250	403	487	513	309	625	475	1140	91.5	239
Max.	425	394	400	500	634	927	406	3260	1480	5540	284	1600
Min.	237	227	120	290	260	406	171	212	122	227	30	56
A. F.	17980	18700	15350	24750	27040	31540	18380	38430	28270	70120	5630	14200

Total acre-feet 310400

REPUBLICAN RIVER NEAR BLOOMINGTON—Sec. 8-1-15 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	831	282	349	230	310	501	524	217	2300	1190	358	181
2	535	282	336	250	370	496	490	217	1380	824	278	358
3	415	282	327	280	430	474	452	234	964	524	237	1130
4	377	286	327	320	460	452	421	298	780	3110	197	547
5	396	290	318	350	410	457	396	340	654	5680	278	273
6	363	298	298	360	470	462	391	382	564	4460	220	463
7	340	294	270	380	440	474	272	377	518	2830	206	4850
8	318	286	267	400	440	501	363	382	479	2140	168	1620
9	286	290	252	410	460	484	358	415	436	1430	150	553
10	274	282	75	430	450	506	363	345	386	1080	127	323
11	263	282	110	430	470	524	377	318	345	1360	106	1160
12	248	298	130	400	450	518	391	358	310	978	90	922
13	234	302	120	400	500	468	391	436	286	780	716	2580
14	223	298	100	390	500	490	377	447	256	618	468	2930
15	213	298	95	400	520	518	363	447	230	553	187	750
16	200	298	110	380	600	553	349	377	210	1440	116	372
17	206	306	120	380	756	618	345	642	190	1880	93	306
18	210	310	120	390	880	762	340	441	306	1290	79	286
19	203	310	120	410	859	943	327	367	431	838	64	751
20	206	318	110	400	831	915	318	345	1340	762	52	1490
21	210	327	130	410	738	838	298	318	1170	2230	44	786
22	206	323	130	410	636	732	290	290	660	1480	44	421
23	220	250	130	410	606	648	294	688	642	1080	174	327
24	241	290	140	390	582	600	302	878	529	810	138	270
25	248	302	150	330	588	576	298	2860	363	672	2810	244
26	259	286	150	300	564	576	278	1720	621	630	955	223
27	267	314	160	290	529	553	244	1220	574	547	230	200
28	278	323	170	260	506	541	241	922	506	484	127	203
29	290	363	180	260	-----	564	230	859	396	391	96	491
30	282	354	190	270	-----	547	220	2570	259	377	106	377
31	282	-----	210	280	-----	541	-----	4480	-----	512	108	-----
Mean	294	301	184	355	548	576	347	780	603	1386	291	845
Max.	831	363	349	430	880	943	524	4480	2300	5680	2810	4850
Min.	200	250	75	230	310	452	220	217	190	377	44	181
A. F.	18100	17900	11290	21820	30460	353700	20630	47880	35870	85250	17890	50260

Total acre-feet 392800

REPUBLICAN RIVER NEAR HARDY—Sec. 6-1S.-5 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1180	286	435	220	450	612	579	282	4590	318	456	238
2	915	280	435	230	540	599	542	274	2280	274	563	255
3	666	272	392	240	612	592	507	298	1380	645	574	341
4	532	276	374	260	642	599	496	274	1070	457	376	513
5	450	283	388	290	690	612	496	274	850	1540	345	765
6	415	286	406	320	711	586	473	294	730	4770	292	1080
7	406	294	402	340	576	573	452	331	619	8660	277	6620
8	379	298	402	370	537	548	446	362	612	3270	341	6620
9	350	298	388	410	515	555	462	396	548	2100	312	2200
10	338	310	326	430	548	561	436	431	507	1710	316	1260
11	330	290	70	450	588	561	452	446	468	1300	217	920
12	310	290	60	470	618	561	436	391	436	1170	181	758
13	276	298	65	490	570	561	426	358	410	1300	178	1530
14	262	298	75	490	636	592	426	358	376	1000	184	6620
15	262	290	90	490	630	567	431	441	353	875	552	2920
16	243	290	100	490	767	592	426	484	310	868	519	1620
17	243	290	110	480	816	652	420	484	274	1220	270	1040
18	240	283	120	470	781	659	405	415	302	1710	213	751
19	234	280	130	470	851	659	396	567	1760	1900	178	703
20	234	276	140	460	952	694	381	548	1290	1580	154	690
21	234	272	145	460	960	873	372	415	752	1400	137	1260
22	234	272	150	450	915	905	358	400	1340	1710	152	1220
23	234	243	155	450	837	790	349	452	913	2200	157	860
24	237	262	165	425	767	708	344	457	701	1220	144	678
25	249	255	170	420	739	666	344	1160	612	992	122	574
26	266	290	175	400	711	612	331	2340	496	860	1800	481
27	269	350	180	400	680	592	318	1850	441	772	1660	451
28	276	362	185	410	645	573	310	1160	561	690	731	422
29	276	384	195	420	-----	555	298	881	1860	628	367	381
30	272	425	205	430	-----	530	306	752	760	569	320	354
31	280	-----	210	300	-----	530	-----	2160	-----	524	241	-----
Mean	358	296	221	401	689	622	414	637	920	1556	398	1471
Max.	1180	425	435	490	960	905	579	2340	4590	8660	1800	6620
Min.	234	243	60	220	450	530	298	274	274	274	122	238
A. F.	22000	17620	13570	24660	38250	38220	24610	39140	54750	95670	24450	87520

Total acre-feet 480460

BUREAU OF IRRIGATION

541

ROCK CREEK AT PARKS—Sec. 21-1-39 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	14	13	14	15	14	14	16	16	11	10	13
2	16	13	13	14	15	15	11	16	16	11	10	13
3	15	13	12	14	16	15	11	15	17	14	10	14
4	15	14	12	14	16	15	11	14	16	15	11	14
5	15	14	12	13	16	15	12	13	15	14	10	14
6	15	14	12	13	15	16	11	8	15	14	10	14
7	15	14	12	13	16	16	12	9	14	13	10	14
8	14	14	12	13	16	15	14	15	13	15	10	16
9	14	14	10	13	16	15	14	17	13	14	11	16
10	14	14	11	13	16	15	14	6	12	12	10	14
11	13	14	12	12	16	15	13	5	12	11	10	14
12	14	13	12	15	16	15	13	6	12	11	10	14
13	13	13	13	15	16	15	14	9	11	11	11	13
14	13	14	13	15	16	15	14	10	12	11	11	13
15	13	14	13	14	15	16	13	12	12	14	11	13
16	13	14	14	15	16	21	13	12	11	12	11	12
17	13	14	14	15	15	21	11	12	11	12	10	12
18	13	13	15	15	15	19	11	11	12	11	10	12
19	12	14	15	15	15	18	10	11	14	12	10	12
20	12	14	15	15	15	17	10	11	13	12	10	12
21	13	14	15	15	15	16	10	10	12	11	11	12
22	13	13	15	15	15	16	10	11	12	11	12	12
23	13	12	15	15	14	15	10	30	11	10	12	12
24	14	12	15	15	15	15	13	48	11	10	12	12
25	14	12	15	15	15	15	12	31	11	11	12	12
26	14	12	15	15	14	15	11	22	10	11	12	12
27	13	12	13	15	14	16	11	18	10	11	12	12
28	13	13	13	15	15	15	11	21	10	11	12	12
29	13	13	14	15	---	15	11	21	11	10	13	12
30	14	13	14	15	---	15	11	19	11	10	14	12
31	14	---	14	15	---	14	---	17	---	10	13	---
Mean	14	13	13	14	15	16	12	15	12	12	11	13
Max.	18	14	15	15	16	21	14	48	17	15	14	16
Min.	12	12	10	12	14	14	10	5	10	10	10	12
A. F.	849	796	819	877	851	972	704	946	746	726	675	772

Total acre-feet 9730

SAPPA CREEK NEAR BEAVER CITY—Sec. 14-1-23 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	1.2	1.9	6.0	2.0	3.3	2.9	2.5	29.0	20.0	22.0	2.5
2	1.6	1.2	2.0	5.0	2.0	3.2	2.7	2.8	21.0	443.0	16.0	1.9
3	1.4	1.2	2.5	4.5	2.5	3.0	2.6	3.1	9.2	415.0	13.0	1.3
4	1.4	1.2	2.5	4.0	2.5	2.9	2.5	3.2	5.0	1180.0	10.0	1.1
5	1.5	1.2	2.0	4.0	3.0	2.7	2.3	3.4	3.2	886.0	8.3	0.8
6	1.6	1.0	2.0	3.5	3.0	3.0	2.1	4.8	2.4	500.0	6.8	0.7
7	1.4	1.1	2.5	3.5	3.5	2.9	2.1	14.0	1.9	306.0	5.5	0.7
8	1.2	1.5	1.5	4.0	3.5	3.7	2.2	7.7	1.4	145.0	4.4	0.7
9	1.1	1.2	1.5	4.0	3.0	2.8	2.4	3.5	1.1	185.0	3.6	0.7
10	1.0	1.2	1.0	3.5	3.0	2.8	2.6	3.0	0.9	78.0	3.3	1.6
11	0.9	1.0	1.5	4.0	3.0	2.7	2.6	3.3	0.8	40.0	2.7	3.3
12	0.9	1.0	1.5	3.5	4.0	2.8	2.6	3.0	0.6	25.0	2.5	64.0
13	0.8	1.1	1.5	3.5	3.0	2.7	2.6	2.7	0.4	17.0	2.4	15.0
14	0.7	1.1	1.5	3.5	3.0	3.0	2.5	2.6	0.4	13.0	2.3	5.8
15	0.5	1.2	2.0	3.0	4.5	2.9	2.5	2.4	0.4	17.0	1.6	3.3
16	0.4	1.7	2.0	2.5	6.0	3.3	2.5	2.4	0.4	14.0	1.4	2.0
17	0.3	1.5	3.0	2.5	5.0	116.0	2.6	2.4	0.4	13.0	1.2	1.6
18	0.4	1.4	3.0	3.0	10.0	150.0	2.5	2.4	0.4	11.0	1.1	17.0
19	0.8	1.2	2.5	3.0	10.0	54.0	2.4	2.4	0.6	9.7	1.0	55.0
20	0.9	1.2	2.5	1.5	10.0	22.0	2.3	2.3	1.4	9.2	1.0	27.0
21	1.0	1.0	2.5	3.5	20.0	12.0	2.3	2.2	2.2	7.5	0.9	12.0
22	1.0	1.0	3.0	2.0	14.0	8.1	2.4	2.0	1.6	6.5	1.0	7.9
23	1.2	1.0	2.0	2.5	8.9	6.3	2.4	5.0	1.6	151.0	0.9	11.0
24	1.6	1.0	2.0	1.5	5.6	5.2	2.3	50.0	10.0	181.0	0.8	12.0
25	1.5	1.7	2.0	2.5	4.6	4.4	2.3	22.0	20.0	161.0	0.8	22.0
26	1.4	1.6	2.5	1.0	4.2	3.9	2.5	11.0	35.0	109.0	0.9	7.7
27	1.4	1.7	2.5	1.5	3.9	3.6	2.6	6.0	18.0	110.0	1.0	3.7
28	2.3	2.3	3.5	1.5	3.7	3.6	2.5	6.3	18.0	108.0	1.0	2.6
29	1.6	2.2	6.0	2.0	---	3.3	2.5	53.0	46.0	75.0	1.0	2.0
30	1.3	1.9	7.0	1.0	---	3.2	2.4	460.0	27.0	49.0	4.0	1.6
31	1.0	---	7.0	1.5	---	3.1	---	88.0	---	32.0	3.9	---
Mean	1.2	1.3	2.6	3.0	5.4	14.4	2.5	24.8	8.7	172.0	4.1	9.6
Max.	2.3	2.3	7.0	6.0	20.0	150.0	2.9	---	46.0	1180.0	22.0	64.0
Min.	0.3	1.0	1.0	1.0	2.0	2.7	2.1	2.0	0.4	6.5	0.8	0.7
A. F.	70.0	79.0	159.0	183.0	300.0	885.0	146.0	1530.0	516.0	10550.0	251.0	572.0

Total acre-feet 15240

REPORT OF THE STATE ENGINEER

SAPPA CREEK NEAR STAMFORD—Sec. 23-2-20 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-----	-----	-----	1	2	11.0	11.0	2.9	320.0	71	58.0	0.3
2	-----	-----	-----	1	2	10.0	11.0	2.9	320.0	53	46.0	122.0
3	-----	-----	-----	1	2	16.0	8.4	3.9	320.0	175	35.0	51.0
4	-----	-----	-----	3	2	11.0	8.2	4.6	65.0	536	28.0	7.9
5	-----	-----	-----	4	3	11.0	8.2	5.5	65.0	869	21.0	5.5
6	-----	-----	-----	3	3	13.0	7.4	6.2	22.0	960	16.0	58.0
7	-----	-----	-----	4	3	12.0	7.6	5.0	18.0	903	12.0	151.0
8	-----	-----	-----	3	3	13.0	7.6	4.1	14.0	468	10.0	13.0
9	-----	-----	-----	4	3	9.8	7.6	11.0	10.0	238	8.9	14.0
10	-----	-----	-----	5	4	12.0	7.6	21.0	7.9	209	6.4	30.0
11	-----	-----	-----	5	4	7.9	7.6	15.0	6.2	118	3.1	16.0
12	-----	-----	-----	4	4	12.0	7.2	10.0	5.2	71	5.7	7.6
13	-----	-----	-----	3	4	11.0	7.4	7.4	4.6	49	73.0	56.0
14	-----	-----	-----	4	5	10.0	7.2	7.2	3.9	37	5.5	303.0
15	-----	-----	-----	3	5	11.0	6.2	12.0	3.3	36	2.4	73.0
16	-----	-----	-----	3	5	14.0	6.4	15.0	2.9	73	1.5	129.0
17	-----	-----	-----	3	5	15.0	5.9	21.0	2.2	50	.8	145.0
18	-----	-----	-----	2	6	14.0	5.9	10.0	2.2	30	.6	99.0
19	-----	-----	0.3	4	5	160.0	5.5	7.2	2.0	43	.7	205.0
20	-----	-----	.2	3	6	91.0	5.0	5.7	7.9	76	.5	178.0
21	-----	-----	.2	2	6	54.0	5.7	5.0	5.9	65	.3	82.0
22	-----	-----	.2	2	7	36.0	3.3	3.9	5.2	104	1.1	64.0
23	-----	-----	.2	2	8	25.0	3.9	16.0	11.0	116	1.0	46.0
24	-----	-----	.2	2	9	20.0	3.3	17.0	21.0	101	.5	32.0
25	-----	-----	.3	2	11	17.0	4.6	20.0	12.0	158	.8	32.0
26	-----	-----	.2	2	12	16.0	3.5	20.0	42.0	129	.7	29.0
27	-----	-----	.1	2	14	15.0	1.7	20.0	40.0	104	.3	34.0
28	-----	-----	.1	2	13	13.0	2.8	20.0	63.0	74	.3	51.0
29	-----	-----	.2	2	-----	11.0	3.3	20.0	44.0	116	.2	90.0
30	-----	-----	2.0	2	-----	11.0	2.2	650.0	148.0	133	.2	32.0
31	-----	-----	3.0	2	-----	12.0	-----	650.0	-----	51	.2	-----
Mean	-----	-----	.55	2.8	5.6	22.4	6.11	52.2	53.1	201	11.0	71.9
Max.	-----	-----	3.0	5	14	160.0	11.0	-----	-----	960	73.0	303.0
Min.	-----	-----	.1	1	2	7.9	1.7	2.9	2.0	30	.2	.3
A. F.	-----	-----	14.0	171	309	1380.0	363.0	3210.0	3160.0	12330	676.0	4280.0

Total acre-feet 25890

SHEEP CREEK NEAR MORRILL—Sec. 16-23-57 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	110	103	89	76	71	76	66.0	2.9	70.0	7.5	5.7	9.9
2	110	104	86	76	71	76	67.0	29.0	71.0	8.3	6.0	9.9
3	110	99	86	76	73	75	72.0	64.0	71.0	8.7	6.0	7.1
4	110	95	86	78	76	74	71.0	37.0	70.0	9.1	5.7	8.3
5	110	94	88	80	76	72	70.0	4.5	68.0	9.5	5.7	9.9
6	110	93	88	78	76	72	70.0	3.6	66.0	9.1	5.7	9.1
7	110	92	90	77	77	72	70.0	3.1	66.0	9.1	5.7	15.0
8	110	89	87	77	75	70	70.0	2.9	31.0	9.5	5.7	13.0
9	110	86	86	77	75	70	69.0	2.9	11.0	9.9	5.7	14.0
10	110	86	86	77	76	70	69.0	41.0	11.0	9.5	5.7	11.0
11	110	86	87	76	74	70	67.0	66.0	11.0	9.1	6.0	10.0
12	110	84	87	75	74	71	67.0	63.0	11.0	9.1	6.3	11.0
13	110	83	88	75	74	72	67.0	59.0	11.0	9.1	6.7	11.0
14	110	82	89	75	73	75	67.0	12.0	11.0	9.1	7.1	9.9
15	110	82	88	75	73	85	66.0	31.0	8.7	9.5	7.1	10.0
16	110	79	87	75	74	81	66.0	63.0	8.7	9.1	7.1	12.0
17	110	79	89	75	73	73	66.0	62.0	9.1	9.5	6.7	11.0
18	110	79	88	75	76	71	65.0	62.0	13.0	8.7	7.1	76.0
19	110	78	89	74	76	70	65.0	49.0	14.0	7.5	7.5	123.0
20	110	80	89	74	78	70	65.0	8.7	10.0	7.5	7.1	117.0
21	110	82	86	74	78	68	65.0	8.3	8.7	7.5	6.7	116.0
22	110	80	86	73	78	69	64.0	8.3	8.7	6.7	8.3	115.0
23	110	82	86	73	78	69	26.0	8.3	9.1	6.7	8.3	115.0
24	110	84	86	72	73	69	3.1	54.0	9.9	7.1	7.5	116.0
25	103	86	81	72	78	68	2.7	72.0	9.1	7.1	8.3	116.0
26	104	90	81	72	78	66	2.7	70.0	9.5	7.1	7.9	118.0
27	106	90	81	71	78	66	2.5	68.0	9.1	7.1	9.1	120.0
28	105	89	79	71	78	69	2.5	69.0	12.0	6.7	15.0	119.0
29	103	89	92	70	-----	70	2.7	70.0	17.0	6.7	10.0	121.0
30	104	87	80	70	-----	69	2.7	78.0	7.5	6.0	9.9	118.0
31	102	-----	77	70	-----	67	-----	70.0	-----	5.7	11.0	-----
Mean	109	87.1	86.1	74.5	75.5	71.5	51.0	40.1	24.8	8.2	7.4	55.7
Max.	-----	104.0	92.0	80.0	78.0	85.0	72.0	78.0	71.0	9.9	15.0	123.0
Min.	-----	78.0	77.0	70.0	71.0	66.0	2.5	2.9	7.5	5.7	5.7	7.1
A. F.	6680	5180.0	5290.0	4580.0	4200.0	4390.0	3030.0	2460.0	1470.0	501.0	453.0	3320.0

Total acre-feet 41550

SH.VERNAIL DRAIN—Sec. 6-19-49 W.

SPOTTED TAIL CREEK, DRY
Sec. 23-23-56 W.

Water Year Ending September 30, 1946

Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.
1	4	25	19	8	18
2	4	23	15	9	10
3	3	23	15	7	8
4	4	14	23	5	8
5	4	24	10	4	11
6	4	23	19	4	6
7	4	5	22	4	6
8	4	12	22	4	26
9	4	32	24	7	28
10	4	8	18	5	19
11	3	8	14	11	16
12	29	7	14	17	7
13	6	16	25	9	14
14	4	10	31	9	25
15	3	6	21	8	9
16	3	6	11	7	9
17	23	6	18	6	23
18	3	17	20	6	8
19	7	17	25	6	25
20	5	14	17	5	8
21	25	10	16	5	12
22	8	9	9	5	13
23	8	10	8	7	18
24	10	22	19	13	25
25	25	27	16	16	29
26	14	11	7	7	12
27	21	5	8	7	16
28	25	4	5	6	26
29	19	8	4	7	29
30	23	4	7	11	7
31	6	—	5	15	—
Mean	10	13	16	8	16
Max.	29	26	32	17	29
Min.	3	4	4	4	6
A. F.	610	800	960	470	930

Day	May	June	July	Aug.	Sept.
1	35	41	52	31	48
2	38	42	49	41	50
3	41	44	52	40	46
4	40	42	56	40	54
5	37	38	56	43	48
6	41	40	56	30	47
7	35	36	56	36	48
8	37	33	58	35	48
9	37	36	56	35	70
10	40	35	53	44	48
11	50	41	67	36	50
12	45	44	63	37	53
13	44	44	78	40	52
14	41	48	76	31	57
15	44	46	75	25	47
16	46	50	72	34	46
17	46	50	68	36	51
18	44	74	72	32	52
19	42	62	74	30	66
20	41	64	58	30	47
21	42	56	62	32	46
22	42	58	58	37	46
23	42	62	60	37	46
24	45	63	50	36	46
25	47	54	50	43	46
26	45	50	48	43	52
27	45	48	46	44	50
28	46	50	44	52	70
29	46	58	36	48	82
30	48	52	42	46	75
31	42	—	42	42	—
Mean	42	49	58	38	53
Max.	50	74	78	52	86
Min.	35	33	36	30	46
A. F.	2610	2900	3540	2330	3150

Computed from one daily observation.

STINKING WATER CREEK NEAR WAUNETA—Sec. 17-6-35 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	20	24	28	25	24	23	39	26	53	10	10
2	31	21	23	30	26	23	22	51	24	29	10	10
3	28	23	21	29	28	24	21	38	24	22	10	10
4	22	23	20	28	29	24	20	37	24	23	10	10
5	19	26	22	27	27	24	20	29	23	28	12	10
6	18	21	22	28	25	20	20	27	20	34	10	10
7	17	20	21	30	26	25	20	29	20	40	10	10
8	16	20	20	25	26	25	20	29	17	39	10	23
9	16	21	17	25	23	30	24	32	16	31	10	103
10	16	21	20	25	24	35	28	31	16	26	10	62
11	16	21	19	25	24	37	30	30	15	21	10	44
12	16	22	18	25	24	35	28	28	17	19	10	34
13	16	23	18	26	24	32	25	25	16	16	10	19
14	17	22	18	27	25	31	23	22	15	16	10	16
15	16	21	20	27	29	31	22	20	14	16	10	15
16	17	21	21	27	29	45	20	20	14	28	8	15
17	17	21	22	25	27	59	20	20	14	18	8	14
18	16	21	21	26	27	56	19	20	14	16	8	14
19	16	20	19	25	26	50	19	19	18	15	8	14
20	16	20	18	28	28	43	19	19	20	15	8	14
21	17	20	17	24	27	36	18	19	18	15	8	14
22	17	15	16	25	27	34	19	18	19	11	10	14
23	18	20	17	25	26	31	18	19	14	11	10	14
24	20	20	18	25	26	28	18	34	28	11	10	14
25	21	20	18	21	25	28	18	53	24	11	10	14
26	21	20	18	20	23	34	16	34	19	11	10	14
27	21	21	17	21	24	34	16	27	14	11	10	14
28	20	22	16	23	23	32	16	24	14	11	10	14
29	20	22	17	21	—	28	16	34	14	10	10	14
30	20	23	23	24	—	26	16	35	38	10	10	14
31	20	—	28	24	—	25	—	34	—	10	10	—
Mean	19	21	20	26	26	32	21	29	19	20	10	20
Max.	38	26	28	30	29	59	30	53	38	53	—	103
Min.	16	15	16	20	23	20	16	18	—	—	—	—
A. F.	1190	1250	1210	1560	1430	2000	1220	1780	1130	1240	595	1180

REPORT OF THE STATE ENGINEER

STREVER CREEK—Sec. 1-8-20 W.
Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.
1	9	14	24	9	32
2	12	14	24	12	27
3	13	12	24	22	27
4	10	11	23	25	26
5	8	9	24	42	26
6	10	8	24	41	104
7	7	8	24	4	139
8	9	8	24	3	131
9	3	2	23	3	56
10	3	42	24	6	54
11	4	9	26	6	27
12	6	9	26	14	27
13	7	15	26	20	21
14	9	14	30	36	20
15	7	14	62	24	20
16	3	14	62	26	14
17	3	15	62	28	14
18	5	15	56	15	14
19	8	24	30	15	25
20	5	24	34	15	26
21	6	26	34	0	19
22	6	26	32	0	19
23	50	24	32	0	13
24	14	24	28	24	13
25	10	24	18	24	12
26	11	26	18	23	12
27	14	19	17	21	13
28	11	21	14	31	13
29	11	22	14	31	10
30	14	24	13	31	10
31	13	.....	12	31	—
Mean	10	17	30	19	32
Max.	50	42	80	42	139
Min.	3	2	12	0	10
A. F.	600	1030	1850	1150	1910

TUB SPRINGS BELOW ENTERPRISE
CANAL—Sec. 32-23-55 W.

Day	May	June	July	Aug.	Sept.
1	58	68	15	2	10
2	15	71	14	1	7
3	77	74	25	1	7
4	0	78	27	1	6
5	2	72	29	2	8
6	2	60	24	1	5
7	7	49	22	1	10
8	7	25	22	2	15
9	26	12	15	1	22
10	30	11	9	1	17
11	24	11	4	1	18
12	39	11	4	2	26
13	33	9	3	2	30
14	23	7	4	2	30
15	21	16	5	2	30
16	30	22	5	1	45
17	32	25	5	1	145
18	32	47	9	1	30
19	38	72	11	0	44
20	37	63	12	1	54
21	26	49	7	1	60
22	21	44	3	1	57
23	21	43	4	2	51
24	60	34	4	1	46
25	70	32	1	0	45
26	60	26	1	1	51
27	52	11	1	1	75
28	49	19	1	3	101
29	81	20	1	4	102
30	80	16	2	8	100
31	66	—	1	8	—
Mean	36	36	9	2	42
Max.	81	78	29	8	145
Min.	0	7	1	0	5
A. F.	2220	2180	580	110	2470

Computed from automatic recorder record.

WINTERS CREEK NEAR SCOTTSBLUFF—Sec. 30-22-54 W.
Water Year Ending September 30, 1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	162	74	66	64	53	50	45.0	7.0	77.0	48	41	128
2	146	74	66	65	54	50	44.0	10.0	77.0	56	33	126
3	134	73	66	66	54	51	48.0	15.0	81.0	61	29	127
4	127	72	66	68	54	51	47.0	17.0	82.0	73	27	127
5	123	72	66	68	54	50	46.0	19.0	50.0	72	30	122
6	121	71	63	67	55	50	46.0	21.0	37.0	65	34	104
7	117	71	62	65	56	49	46.0	22.0	42.0	63	36	98
8	115	69	59	64	53	49	46.0	13.0	31.0	62	34	121
9	115	69	56	63	54	49	47.0	8.8	28.0	54	39	126
10	109	69	56	63	53	49	46.0	68.0	19.0	32	36	118
11	105	69	57	61	53	49	46.0	84.0	13.0	28	36	114
12	106	69	61	60	53	48	46.0	79.0	13.0	40	36	128
13	106	69	65	58	53	48	46.0	77.0	12.0	36	39	138
14	106	69	65	58	53	48	46.0	65.0	12.0	45	49	143
15	105	69	64	58	53	51	45.0	66.0	7.6	44	46	141
16	100	69	63	56	53	52	45.0	75.0	8.2	40	57	109
17	93	68	64	56	53	48	44.0	85.0	9.7	37	74	101
18	91	68	64	56	53	46	45.0	82.0	73.0	34	77	169
19	88	68	73	56	53	46	44.0	79.0	82.0	41	77	164
20	86	68	73	56	52	46	44.0	76.0	74.0	61	85	169
21	81	68	73	55	52	46	44.0	66.0	61.0	66	65	146
22	81	68	72	55	52	46	44.0	56.0	65.0	51	53	136
23	79	67	69	54	51	46	44.0	84.0	58.0	20	60	116
24	79	67	67	55	51	46	37.0	98.0	65.0	38	60	106
25	79	67	69	55	51	46	15.0	85.0	56.0	47	67	98
26	80	67	68	55	51	46	6.1	82.0	47.0	34	73	82
27	79	67	66	55	51	47	11.0	81.0	41.0	36	77	80
28	76	67	67	54	51	47	8.5	87.0	30.0	42	73	97
29	74	66	70	55	.....	46	6.8	92.0	33.0	49	83	105
30	74	66	69	54	.....	46	6.1	98.0	69.0	48	89	108
31	76	.....	67	53	.....	46	.....	89.0	.....	45	121	.....
Mean	100.0	69.0	65.0	59.0	52.8	48.0	37.8	60.9	45.1	47.4	56.0	122
Max.	162.0	74.0	73.0	68.0	55.0	52.0	48.0	98.0	82.0	73.0	121.0	169
Min.	74.0	66.0	56.0	53.0	51.0	46.0	6.1	7.0	7.6	20.0	27.0	80
A. F.	6170.0	4110.0	4030.0	3630.0	2930.0	2950.0	2250.0	3740.0	2680.0	2910.0	3440.0	7230

WOOD RIVER NEAR RIVERDALE

Sec. 31-10-16 W.

Water Year Ending September 30, 1946

Day	May	June	July	Aug.	Sept.
1	-----	-----	1.6	0.0	0.0
2	-----	-----	5.4	.0	.2
3	-----	-----	9.4	.0	.2
4	-----	-----	3.9	.0	.2
5	-----	1.9	3.2	5.4	3.1
6	-----	1.9	3.0	1.2	28.0
7	-----	1.9	.6	1.0	214.0
8	-----	1.9	12.0	.0	149.0
9	-----	1.9	77.0	.2	140.0
10	-----	1.6	45.0	.6	62.0
11	-----	1.4	12.0	.6	44.0
12	-----	1.4	6.0	.6	13.0
13	-----	1.2	3.9	.6	36.0
14	-----	1.1	3.4	.6	72.0
15	-----	1.2	103.0	.2	6.6
16	-----	1.2	28.0	.0	3.7
17	-----	1.2	11.0	.0	3.0
18	-----	8.4	36.0	.0	20.0
19	-----	53.0	8.4	.0	244.0
20	-----	8.8	3.9	.0	43.0
21	-----	2.3	3.2	.0	54.0
22	-----	1.8	2.7	.0	21.0
23	7.8	1.4	.9	.0	8.4
24	-----	1.4	.1	.0	6.3
25	-----	1.4	.2	.0	6.3
26	-----	1.2	.1	.0	5.8
27	-----	1.1	.0	.0	5.2
28	1.3	1.2	.0	.0	5.5
29	-----	1.2	.1	.0	6.3
30	-----	1.4	.0	.0	10.0
31	-----	-----	.0	.0	-----
Mean	-----	4.02	12.4	.35	40.4
Max.	-----	53.0	103.0	5.4	244.0
Min.	-----	1.1	.0	.0	.0
A. F.	-----	207.0	762.0	22.0	2400.0

Total acre-feet 3390

SUMMARY
ANNUAL DIVERSIONS IN ACRE-FEET BY PROJECTS
North Platte and Platte River Basins
Wyoming-Nebraska Line to Odessa, Nebraska

	Water Year Ending September 30, 1945			Water Year Ending September 30, 1946		
	Acreage reported	Water diverted	Acre-ft. per acre	Acreage reported	Water diverted	Acre-ft. per acre
Alliance (2).....	6286	9290	1.47	6128	13530	2.21
Beerline* (1).....	2058	1310	.64	2080	1923	.92
Belmont (2).....	14128	16720	1.18	15849	26753	1.69
Birdwood (1).....	5737	4480	.78	5716	5570	.97
Blue Creek (1).....	2850	4690	1.64	2917	8270	2.84
Browns Creek (1).....	6000	3240	.54	6120	8735	1.43
Castle Rock (1).....	5876	14610	2.48	6108	20470	3.35
Central (1).....	2096	5840	2.79	2092	6670	3.19
Chimney Rock (1).....	5688	9440	1.66	5641	12350	2.28
Cody-Dillon (1).....	5053	3740	.74	5053	4089	.81
Court House Rock (1).....	1510	3460	2.29	1485	4600	3.10
Cozad* (1).....	25190	16610	.66	25190	20470	.81
Dawson* County (1).....	95305	51050	.54	95481	71520	.75
Elm Creek* (1).....	15707	6050	.38	15413	8620	.56
Empire (1).....	1624	440	.27	1624	**	
Enterprise (2).....	6508	20940	3.21	5728	22635	3.95
Gering* (1).....	14255	31540	2.20	14357	32480	2.26
Gothenburg* (3).....	22405	22460	1.00	22405	42610	1.90
Graf (1).....	2089	2984	1.43	2089	4255	2.04
Hooper (1).....	877	3330	3.80	877	3090	3.52
Kearney (2).....	4210	4000	.95	4210	3900	.93
Keith Lincoln (1).....	6011	19160	3.18	6173	18900	3.06
Keystone.....	No report	0	0	3180	0	0
Last Chance (1).....	442	850	1.92	442	1055	2.39
Lisco (1).....	3185	5820	1.82	3510	4840	1.38
Lyons (1).....	2200	1130	.51	968	800	.89
Meredith-Ammer (1).....	981	810	.83	435	1100	2.53
Midland-Overland (1).....	1735	540	.31	1857	2860	1.54
Minatare (1).....	7864	14300	1.83	7633	14710	1.93
Mitchell* (1).....	13594	42210	3.10	13594	36390	2.68
Nine Mile (1).....	5738	18350	3.20	5708	18680	3.28
North Platte* (1).....	13949	34350	2.46	14050	47330	3.37
Northport* (1).....	16109	55760	3.46	16109	52630	3.23
Orchard-Alfalfa* (1).....	5950	8520	1.43	5950	9630	1.62
Oshkosh (1).....	2379	626	.26	2354	987	.42
Paisley (1).....	1141	3070	2.69	1310	2830	2.16
Paxton-Hershey (1).....	7458	18990	2.55	7458	18800	2.52
Ramshorn (1).....	1923	2460	1.28	1651	3180	1.93
Sheridan-Wilson (1).....	676	507	.75	676	1250	1.85

SUMMARY
ANNUAL DIVERSIONS IN ACRE-FEET BY PROJECTS—Concluded.
North Platte and Platte River Basins
Wyoming-Nebraska Line to Odessa, Nebraska

	Water Year Ending September 30, 1945			Water Year Ending September 30, 1946		
	Acreage reported	Water diverted	Acre-ft. per acre	Acreage reported	Water diverted	Acre-ft. per acre
Short Line (1).....	2809	2670	.95	3070	2980	1.30
Six Mile* (0).....	1810	1240	.68	1810	2340	1.29
Spohn (0).....	799	190	.24	1039	247	.24
Suburban (1).....	7263	12180	1.68	6352	18540	2.92
Sutherland*** (1).....	—	594770	—	—	641540	—
Thirty Mile* (1).....	23049	41220	1.79	23169	49290	2.13
Tri-County*** (3).....	1099890	—	—	—	1149230	—
Tri-State* (1).....	66900	196850	2.94	66631	198450	2.98
Union (1).....	1225	1515	1.24	1233	2375	1.93
Western (1).....	12564	38400	3.06	12574	22030	1.75
Winters Creek (2).....	5714	15940	2.78	5714	17110	2.99

Note:—Number in parenthesis following projects indicates the number of automatic recorders in operation on the project.

* Includes storage diversions.

*** Diverted for power and irrigation.

† Includes diversion for Empire Canal.

** No record.

ABSTRACT OF CLOSING, OPENING OR REGULATION
ORDERS AND REQUESTS ISSUED
DURING THE 1945 WATER YEAR

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
5-1	R. H. Willis*	Ralph Kramer†	-----	Telegram for 100 sec.-ft. for Thirty Mile Canal
5-8	do	Frank B. Ludden‡	-----	Farmers Dist. request 875 sec.-ft.
5-8	do	do	-----	Gering Dist. request 100 sec.-ft.
5-11	do	Ralph Kramer	-----	Request for 200 sec.-ft. increase in river at Keystone
5-16	do	Frank B. Ludden	-----	Mitchell Dist. request 200 sec.-ft.
5-22	do	do	-----	Gering Dist. request 175 sec.-ft.
5-25	do	do	-----	Northport Dist. request 50 sec.-ft. from North Platte River
5-25	do	do	-----	Farmers Dist. increase to 926 sec.-ft.
8-4	do	Ralph Kramer	Dec. 28, 1894	Canals denied natural flow
8-6	do	T. O. Haiston§	Dec. 28, 1894	All projects
8-9	do	do	-----	All projects limited to legal amount

* State official signing closing order.

† Ralph Kramer, chief dispatcher, The Central Nebraska PPID.

‡ Frank B. Ludden, water commissioner, Wyoming-Nebraska State Line to Bridgeport.

§ T. O. Haiston, water commissioner, Brady to Kearney—1945 water year.

ABSTRACT OF CLOSING, OPENING OR REGULATION
ORDERS AND REQUESTS ISSUED
DURING THE 1946 WATER YEAR

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
4-4	R. H. Willis	J. J. Rasmussen†	_____	Denied water to A-2372
6-12	do	L. B. Hall‡	_____	All projects limited to legal amount
6-12	do	Frank B. Ludden§	_____	All projects limited to legal amount
6-13	do	T. O. Haiston||	Mar. 1, 1932	All projects
6-15	do	T. O. Haiston	Dec. 28, 1894	East of Kingsley dam
6-15	do	Frank B. Ludden	_____	Reduce Enterprise Dist. to legal amount
6-15	do	Elmer Donahue**	Dec. 28, 1894	East of Kingsley Dam
6-15	do	Frank B. Ludden	_____	Reduce Castle Rock Dist. to legal amount
6-16	do	do	Sept. 16, 1887	All projects in State Line Area
6-16	do	Ramshorn District	_____	Denied natural flow from above Tri-State dam
6-16	do	Gering District	_____	Denied natural flow
6-16	do	French Ditch	_____	Denied natural flow
6-18	do	L. B. Hall	April 2, 1894	On Blue Creek
6-23	do	do	Dec. 28, 1894	All projects
8-2	do	L. C. Barstow-D-330	_____	Denied water, Lodgepole Creek
8-2	do	E. A. Ruttner-A906	_____	Denied water, Lodgepole Creek
8-2	do	Ben Vacik-D-966	_____	Denied water, Lodgepole Creek
8-2	do	F. A. Beyer-D-300	_____	Denied water, Lodgepole Creek
8-2	do	Krueger Brothers	_____	Denied water, Lodgepole Creek

ABSTRACT OF CLOSING, OPENING OR REGULATION
ORDERS AND REQUESTS ISSUED
DURING THE 1946 WATER YEAR

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
8-2	R. H. Willis	George Dickenson D-969	_____	Denied water, Lodgepole Creek
8-2	do	J. B. Ruttner-A-1645	_____	Denied water, Lodgepole Creek
8-2	do	A. H. Jones-A-3392	_____	Denied water, Lodgepole Creek
8-2	do	John Peetz-D-302	_____	Denied water, Lodgepole Creek
8-5	do	T. O. Haiston	June 26, 1894	All projects
8-5	do	Elmer Donahue	June 26, 1894	All projects
8-5	do	Frank B. Ludden	June 26, 1894	All projects
8-5	do	L. B. Hall	June 26, 1894	All projects
8-7	do	T. O. Haiston	Jan. 16, 1894	All projects
8-7	do	Elmer Donahue	Jan. 16, 1894	All projects
8-7	do	L. B. Hall	Jan. 16, 1894	All projects
8-7	do	Frank B. Ludden	Jan. 16, 1894	All projects
8-13	do	L. B. Hall	Sept. 21, 1894	All projects
8-21	do	T. O. Haiston	_____	Telegram regulate Thirty Mile Canal
8-23	do	Elmer Donahue	_____	Telegram regulate Paxton- Hershey
8-25	do	do	_____	Telegram regulate Suburban Canal
8-26	do	L. B. Hall	Dec. 21, 1894	All projects
8-26	do	T. O. Haiston	Dec. 21, 1894	All projects
8-28	do	L. B. Hall	July 13, 1899	All projects
8-28	do	T. O. Haiston	July 13, 1899	All projects

**ABSTRACT OF CLOSING, OPENING OR REGULATION
ORDERS AND REQUESTS ISSUED
DURING THE 1946 WATER YEAR—Concluded**

Date of Issue	By Whom Issued	To Whom Issued	Date Closed to	Remarks
8-31	R. H. Willis	Water Comm.	May 28, 1933	All projects
9-17	A. W. Hall	M. E. Ball	-----	Reduce flow to 150 sec.-ft. at Keystone
9-25	do	do	-----	Telegram reduce entire flow at Keystone

* State official signing closing order.

† J. J. Rasmussen, superintendent, Crawford, Nebraska.

‡ L. B. Hall, water commissioner, Bridgeport to Lewellen.

§ Frank B. Ludden, water commissioner, Wyoming-Nebraska State Line to Bridgeport.

|| T. O. Haiston, water commissioner, Brady to Kearney—1946 water year.

** Elmer Donahue, water commissioner, Lewellen to North Platte.

M. E. Ball, chief dispatcher, The Central Nebraska PPID.

ALLIANCE DIVERSION
From Bayard Sugar Factory Drain—
1945

Day	May	June	July	Aug.	Sept.
1	0	4	12	19	6
2	0	4	12	0	6
3	0	5	12	0	5
4	0	9	11	0	5
5	0	18	11	0	6
6	0	0	11	0	10
7	0	0	11	0	10
8	0	0	11	0	10
9	0	0	13	0	10
10	0	0	16	0	9
11	0	0	17	1	0
12	0	0	18	11	10
13	0	0	19	12	10
14	0	0	19	10	10
15	0	0	20	10	10
16	0	0	22	9	11
17	3	0	16	9	0
18	4	0	10	8	0
19	4	0	10	10	0
20	4	0	10	10	0
21	4	0	12	10	0
22	3	0	11	6	0
23	3	0	10	7	11
24	4	0	10	8	11
25	8	12	21	8	10
26	9	12	20	8	11
27	12	11	22	7	10
28	10	12	19	5	11
29	6	11	20	6	0
30	5	12	21	5	0
31	7	—	20	5	—
Mean	3	4	15	6	6
Max.	12	18	22	19	11
Min.	0	0	10	0	0
A. F.	170	220	930	360	380
Water diverted ed 2060 A. F.	Acreage Reported D-874,1035			2106	

ALLIANCE DIVERSION
From Red Willow Creek—1945

Day	Oct.	May	June	July	Aug.	Sept.
1	28	0	6	15	45	39
2	27	0	3	23	43	40
3	26	0	2	26	38	39
4	22	0	4	27	42	38
5	22	0	4	29	38	35
6	23	0	6	30	35	37
7	0	0	7	36	35	39
8	0	0	3	35	38	34
9	0	0	4	34	33	36
10	0	0	0	36	37	38
11	0	0	0	36	37	35
12	0	0	0	30	38	36
13	0	0	0	24	38	38
14	0	0	0	30	38	35
15	0	0	0	32	38	36
16	0	0	0	32	46	35
17	0	0	0	37	44	37
18	0	0	0	33	43	39
19	0	0	0	18	39	33
20	0	0	0	26	43	37
21	0	10	0	43	43	35
22	0	7	0	42	42	35
23	0	7	0	24	48	33
24	0	8	13	33	49	44
25	0	14	8	42	41	35
26	0	21	9	52	43	45
27	0	3	8	45	42	0
28	0	6	7	46	41	0
29	0	9	10	49	36	0
30	0	10	12	50	39	0
31	0	21	—	48	40	—
Mean	5	4	4	34	40	32
Max.	28	21	13	52	49	45
Min.	0	0	0	15	33	0
A. F.	290	230	210	2110	2400	1910
Water diverted ed 7230 A. F.	Acreage Reported D-874,1035			4180		

BEERLINE DIVERSION

From North Platte River—1945						
Day	Oct.	May	June	July	Aug.	Sept.
1	8	0	0	0	9	0
2	9	0	0	3	15	0
3	10	0	0	3	10	0
4	10	0	0	0	6	0
5	11	0	3	6	3	0
6	0	0	7	0	2	0
7	0	0	10	0	2	0
8	0	0	10	0	4	0
9	0	6	9	0	8	0
10	0	6	7	0	0	2
11	0	9	3	0	0	2
12	0	10	0	0	0	2
13	0	10	3	0	0	1
14	0	10	2	0	0	2
15	0	10	2	0	0	3
16	0	10	2	0	0	3
17	0	10	2	0	0	9
18	0	8	2	0	0	9
19	0	6	2	12	12	3
20	0	5	2	13	14	3
21	0	5	2	14	13	2
22	0	0	1	14	14	1
23	0	0	1	13	14	0
24	0	0	1	13	13	0
25	0	0	1	13	10	2
26	0	0	0	12	11	3
27	0	0	0	11	11	4
28	0	0	0	11	6	6
29	0	0	0	10	0	8
30	0	0	0	10	0	9
31	0	0	—	9	0	—
Mean	2	3	2	5	6	3
Max.	11	10	10	14	15	9
Min.	0	0	0	0	0	0
A. F.	100	210	140	330	360	170
Water diverted ed 1310 A. F.	Acreage Reported D-887			2058		

BELMONT DIVERSION

From North Platte River—1945						
Day	May	June	July	Aug.	Sept.	
1	0	59	58	91	84	
2	0	50	60	77	67	
3	0	51	66	80	85	
4	0	52	70	76	88	
5	0	53	66	44	96	
6	0	55	64	57	96	
7	0	56	67	64	91	
8	0	52	68	59	89	
9	0	51	69	53	96	
10	0	51	69	58	89	
11	0	49	71	63	98	
12	0	50	71	63	93	
13	0	46	72	67	92	
14	0	53	75	67	90	
15	0	53	76	68	82	
16	0	53	69	68	74	
17	0	54	68	50	68	
18	0	54	68	76	80	
19	0	54	67	89	45	
20	0	51	77	79	80	
21	0	47	74	90	74	
22	0	44	73	87	69	
23	0	46	75	93	71	
24	0	41	80	92	74	
25	0	44	95	96	71	
26	0	45	86	96	74	
27	0	48	86	89	70	
28	0	48	88	80	40	
29	0	59	79	82	0	
30	0	60	90	86	0	
31	54	—	94	91	—	
Mean	2	51	74	75	74	
Max.	54	60	95	96	98	
Min.	0	41	58	44	0	
A. F.	110	3030	4540	4620	4420	
Water diverted ed 16720 A. F.	Acreage Reported D-828			14128		

BUREAU OF IRRIGATION

BICKEL DIVERSION

From Lodgepole Creek—1945

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	3
7	0	0	0	0	3
8	0	0	0	0	3
9	0	0	0	0	3
10	0	0	0	2	3
11	0	0	0	2	3
12	0	0	0	2	3
13	0	0	0	2	3
14	0	0	0	2	2
15	0	0	0	2	2
16	0	0	2	2	2
17	0	0	1	0	2
18	0	0	1	0	2
19	0	0	1	0	2
20	0	0	0	0	2
21	0	0	0	0	2
22	0	0	2	0	2
23	0	0	2	0	2
24	0	0	2	0	2
25	0	0	2	2	2
26	0	0	2	2	2
27	0	0	0	2	2
28	0	0	0	2	2
29	0	0	0	3	2
30	0	0	0	3	3
31	0	—	0	3	—
Mean	0	0	0.5	1	2
Max.	0	0	2	3	3
Min.	0	0	0	0	2
A. F.	0	0	30	56	147
Water diverted	—		Acreage Reported		
ed 233 A. F.	—		D-347 22		
	—		A-719 65		

BIRDWOOD DIVERSION

From Birdwood Creek—1945

Day	May	June	July	Aug.	Sept.
1	0	11	0	30	28
2	0	8	0	33	20
3	0	9	0	33	21
4	0	15	0	33	22
5	0	9	15	31	23
6	0	16	41	17	31
7	0	1	20	17	31
8	0	1	19	24	30
9	0	2	14	21	30
10	0	0	22	21	30
11	0	0	27	21	32
12	0	5	9	22	29
13	0	14	9	35	19
14	0	20	11	33	17
15	0	21	22	39	19
16	0	10	31	15	19
17	7	8	13	21	21
18	14	10	11	12	24
19	0	11	14	12	22
20	0	18	18	13	7
21	3	15	19	24	11
22	1	11	25	1	11
23	1	11	6	2	12
24	6	14	12	15	13
25	20	16	23	18	17
26	27	19	26	20	30
27	9	0	24	25	29
28	0	0	23	27	24
29	0	0	23	29	32
30	2	0	26	30	3
31	6	—	28	31	—
Mean	3	9	17	22	22
Max.	27	21	41	39	32
Min.	0	0	0	1	3
A. F.	190	550	1060	1380	1300
Water diverted	—		Acreage Reported		
ed 4480 A. F.	—		D-646 5737		

BLUE CREEK DIVERSION

From Blue Creek—1945

Day	May	June	July	Aug.	Sept.
1	0	11	21	28	13
2	0	26	36	0	14
3	0	31	38	0	16
4	0	26	39	0	12
5	0	0	38	0	13
6	0	0	39	0	14
7	0	3	41	0	24
8	0	16	38	0	26
9	0	0	37	0	18
10	41	0	42	0	17
11	21	0	49	0	17
12	18	0	44	0	22
13	19	3	37	20	16
14	22	7	27	28	11
15	16	2	26	36	10
16	9	2	27	30	10
17	7	2	16	35	14
18	9	2	19	40	17
19	11	2	13	38	20
20	12	2	9	14	18
21	13	1	15	0	19
22	9	1	20	2	18
23	19	1	16	20	17
24	28	3	19	18	16
25	33	3	25	17	17
26	36	2	16	20	19
27	33	3	11	16	13
28	39	12	16	13	0
29	38	16	22	12	0
30	23	20	27	13	0
31	12	—	27	13	—
Mean	15	6	27	13	15
Max.	41	31	49	40	26
Min.	0	0	9	0	0
A. F.	930	390	1680	820	870
Water diverted	—		Acreage Reported		
ed 4690 A. F.	—		D-785 2482		
	—		D-795 338		
	—		A-1154 30		

BROWNS CREEK DIVERSION

From North Platte River—1945

Day	May	June	July	Aug.	Sept.
1	0	0	0	0	15
2	0	0	0	18	23
3	0	0	0	38	31
4	0	0	0	30	24
5	0	0	0	5	22
6	0	11	0	11	22
7	0	19	0	4	23
8	0	5	0	0	23
9	0	3	0	8	29
10	0	2	0	11	12
11	0	5	0	8	22
12	0	2	1	12	32
13	0	2	13	8	36
14	0	2	13	0	36
15	0	1	22	0	35
16	0	1	21	0	32
17	0	1	27	0	40
18	0	1	35	0	38
19	0	1	36	14	37
20	0	1	48	16	0
21	0	1	59	6	0
22	0	10	66	16	0
23	0	14	64	20	0
24	0	4	63	17	0
25	0	14	68	12	0
26	0	18	65	14	0
27	0	14	0	13	0
28	15	0	0	0	0
29	0	15	0	5	0
30	0	10	0	22	0
31	0	—	0	7	—
Mean	0	6	19	10	18
Max.	0	19	68	38	40
Min.	0	0	0	0	0
A. F.	0	340	1190	625	1085
Water diverted	—		Acreage Reported		
ed 3240 A. F.	—		D-857,1033 6000		

REPORT OF THE STATE ENGINEER

CASTLE ROCK DIVERSION
From North Platte River—1945

Day	Oct.	May	June	July	Aug.	Sept.
1	57	0	50	23	61	74
2	59	0	34	19	4	82
3	48	0	26	13	10	74
4	40	0	40	3	26	72
5	40	0	49	0	26	77
6	30	0	34	0	30	99
7	30	0	17	31	24	94
8	25	0	28	67	33	81
9	25	0	26	75	23	83
10	23	0	24	66	25	89
11	23	0	35	79	29	88
12	23	0	41	86	37	74
13	24	0	25	94	41	76
14	23	0	24	91	56	77
15	24	0	27	80	62	76
16	23	0	84	80	72	72
17	21	0	33	62	72	72
18	20	10	34	55	81	66
19	15	11	27	63	100	68
20	15	0	20	75	98	64
21	15	27	36	50	82	62
22	17	41	49	62	62	59
23	16	26	35	61	75	43
24	15	46	15	56	77	38
25	15	58	12	45	74	37
26	15	70	28	55	64	35
27	15	80	20	54	36	33
28	14	74	20	52	57	25
29	18	37	27	51	56	19
30	10	36	26	52	62	19
31	0	48	—	54	66	—
Mean	24	18	29	53	51	64
Max.	59	80	50	94	100	99
Min.	0	0	12	0	4	19
A. F.	1460	1120	1780	3280	3150	3820
Water diverted	14610	A. F.	Acreage Reported	D-921	5876	

CENTRAL DIVERSION
From North Platte River—1945

Day	May	June	July	Aug.	Sept.
1	0	20	0	34	31
2	0	23	4	24	32
3	10	19	8	34	31
4	14	15	8	37	32
5	0	0	12	35	32
6	0	0	27	38	31
7	0	0	11	37	80
8	0	0	11	36	32
9	0	0	22	30	34
10	10	0	25	36	29
11	0	0	22	35	30
12	0	0	21	35	32
13	0	0	24	34	33
14	20	0	22	40	34
15	0	0	26	36	34
16	18	0	23	38	30
17	22	0	25	36	31
18	17	0	24	35	27
19	25	0	24	33	27
20	23	0	26	31	23
21	26	0	25	34	24
22	31	0	24	34	28
23	35	0	25	32	25
24	29	0	27	31	25
25	27	0	23	26	24
26	28	0	25	27	24
27	0	0	24	25	26
28	8	0	28	27	19
29	0	0	31	33	0
30	11	0	33	32	0
31	19	—	31	30	—
Mean	12	3	21	33	27
Max.	35	23	33	40	34
Min.	0	0	0	24	0
A. F.	740	150	1310	2030	1610
Water diverted	5840	A. F.	Acreage Reported	D-926	2096

CHIMNEY ROCK DIVERSION
From North Platte River—1945

Day	Oct.	May	June	July	Aug.	Sept.
1	33	0	31	0	50	57
2	30	0	28	0	30	60
3	26	0	27	0	38	58
4	26	0	27	0	35	60
5	20	0	22	12	24	59
6	20	0	22	32	28	56
7	24	0	0	41	36	52
8	20	0	0	46	40	49
9	20	0	0	44	40	47
10	20	0	0	43	40	48
11	20	0	0	47	38	48
12	*	0	0	43	41	48
13	*	0	14	37	42	47
14	*	0	12	42	43	42
15	*	0	0	46	46	41
16	*	9	0	48	46	40
17	*	21	10	42	47	38
18	*	20	10	40	47	35
19	*	20	10	43	46	38
20	*	17	10	46	50	38
21	*	22	12	44	53	37
22	*	22	0	47	55	37
23	*	26	0	46	53	37
24	*	42	0	44	50	38
25	*	45	0	43	46	38
26	*	44	0	45	46	38
27	*	35	0	38	44	38
28	*	46	0	40	49	24
29	*	49	0	42	52	16
30	*	41	0	42	57	10
31	*	41	—	42	61	—
Mean	*	16	7	36	44	42
Max.	*	49	31	48	61	60
Min.	*	0	0	0	24	10
A. F.	510	990	470	2230	2720	2520
Water diverted	9440	A. F.	Acreage Reported	D-844, D-1031	5641	
*No Record			A-2190		47	
Total					5688	

CODY-DILLON DIVERSION
From North Platte River—1945

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	16	19	0	0	10	20	0
2	18	19	0	0	11	23	3
3	18	18	0	0	10	25	5
4	17	22	0	0	9	25	6
5	19	19	0	0	8	21	25
6	19	11	0	0	8	14	23
7	8	14	0	0	8	13	38
8	1	17	0	0	5	13	38
9	3	17	0	0	6	13	36
10	3	17	0	0	6	13	28
11	4	12	0	0	6	12	28
12	4	5	0	0	5	11	28
13	5	0	0	0	4	11	28
14	6	0	0	0	4	11	28
15	10	0	0	0	5	11	26
16	14	0	0	0	7	11	24
17	12	0	0	0	14	11	19
18	12	0	0	0	17	14	13
19	12	0	0	0	16	16	12
20	12	0	0	0	19	16	13
21	12	0	0	0	22	21	13
22	14	0	0	0	20	23	11
23	16	0	0	0	22	17	7
24	15	0	0	0	22	9	8
25	15	0	0	0	13	7	6
26	14	0	0	8	2	6	7
27	13	0	0	19	2	8	7
28	14	0	0	20	7	7	6
29	14	0	0	10	17	5	6
30	17	0	0	8	18	4	5
31	17	—	0	—	19	4	—
Mean	12	6	0	3	11	13	17
Max.	19	22	0	20	22	25	38
Min.	1	0	0	0	2	4	0
A. F.	740	380	0	130	680	820	990
Water diverted	3740	A. F.	Acreage reported	D-649	5053		

COLUMBUS POWER DIVERSION NEAR GENOA

Diverted from Loup River—Sec. 6-16-4 W.—1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1500	1930	134	406	1040	1720	1930	2150	2860	2520	1240	1040
2	1550	1960	328	479	944	1980	1930	2080	2750	2090	1160	1020
3	1780	1930	549	944	1000	106	2250	2080	2580	1820	1160	966
4	1920	2030	987	744	1160	691	2300	1880	2270	1760	1210	323
5	1900	2140	1220	584	1230	333	2270	1710	2380	1900	1210	856
6	1950	1940	1640	648	1400	262	2060	1600	2870	1650	1780	865
7	2130	1840	1750	656	1480	584	1870	1600	2430	1580	1480	841
8	1870	1840	2100	744	1720	1000	1780	1720	2630	1430	1230	825
9	1790	2140	1130	904	1870	1570	1750	1940	2140	1540	1120	841
10	1710	2240	170	1310	1110	2130	1720	2010	2460	1590	1650	910
11	1660	2040	37	1500	1070	2450	1740	1850	2260	1700	1440	1000
12	1760	2030	74	1080	1070	2460	1780	1640	2630	1720	1380	1080
13	1700	1930	150	1420	1120	2320	2190	1650	2650	1610	1750	1080
14	1660	2040	549	1250	1440	2300	2340	2140	2310	1850	1310	1110
15	1640	2150	1400	1570	1860	2460	2420	2190	2700	1730	1300	1210
16	1620	2160	648	1580	1750	2440	2800	2080	2900	1530	1270	1230
17	1660	1970	1510	1620	155	2450	2990	1860	2790	1350	1130	1260
18	1680	1860	205	1720	64	2360	2960	1630	2240	2120	1630	1100
19	1680	1850	142	1280	34	2350	2750	1590	2270	1940	1120	1470
20	1850	1940	245	1930	52	2220	2550	1460	2070	1860	1050	1570
21	1960	1930	98	1880	880	2000	2380	1810	1910	1670	996	1620
22	1850	1930	78	1820	1580	1860	2140	2200	1880	1550	1100	1700
23	1840	1910	58	1630	1310	1830	1820	2160	1810	1490	1670	1490
24	1750	1850	52	1830	1920	1790	2490	1700	1840	1420	1910	1380
25	1760	2090	98	1760	752	2040	2190	1580	2090	1700	1790	1400
26	1780	1720	49	1780	102	2170	2200	1510	1870	1940	1610	1480
27	1800	160	126	1950	376	2050	1960	1660	2030	2200	1390	1680
28	1820	170	346	1850	1420	1970	2010	2300	1750	2190	1270	2150
29	1830	70	1060	1640	-----	1950	2060	2350	1780	1760	1240	2380
30	1790	58	1280	1110	-----	2000	2170	2580	2130	1670	1170	2280
31	1820	-----	1270	1230	-----	1880	-----	2520	-----	1300	1140	-----
Mean	1775	1728	628	1318	1086	1798	2192	1911	2308	1745	1352	1292
Max.	2130	2240	2100	1950	1920	2460	2990	2580	2900	2520	1910	2380
Min.	1500	58	37	406	34	106	1720	1460	1750	1300	996	825
A.F.	109100	102800	38640	81020	60320	110500	1300500	117500	137400	107300	83120	76900
Total acre-feet	1155000.											

COURT HOUSE ROCK DIVERSION

From Pumpkinseed Creek—1945

Day	May	June	July	Aug.	Sept.
1	0	0	4	19	17
2	0	0	17	23	19
3	0	0	17	21	19
4	0	0	18	21	19
5	0	0	19	20	19
6	0	0	19	20	19
7	0	0	19	20	19
8	0	0	19	21	20
9	0	0	19	20	19
10	0	0	19	20	20
11	0	0	20	20	20
12	0	0	20	19	19
13	0	0	19	19	19
14	0	0	19	20	19
15	0	0	18	21	20
16	0	0	18	20	20
17	0	0	18	19	20
18	0	0	18	19	20
19	0	0	18	19	20
20	0	0	18	18	20
21	0	0	18	18	20
22	0	0	17	19	20
23	0	0	17	18	20
24	0	0	17	18	20
25	0	0	17	18	20
26	0	0	17	19	20
27	0	0	18	17	20
28	0	0	19	17	22
29	0	0	19	17	22
30	0	0	19	17	22
31	0	-----	19	17	-----
Mean	0	0	18	19	20
Max.	0	0	20	23	22
Min.	0	0	4	17	17
A. F.	0	0	1100	1180	1180
Water diverted	3460 A. F.				
Acreage Reported	D-840,1028 1480				
D-841	30				
Total	1510				

COZAD DIVERSION

From Platte River—1945

Day	May	June	July	Aug.	Sept.
1	0	0	26	182	60
2	0	0	32	218	118
3	0	0	28	224	114
4	0	0	29	232	94
5	0	0	54	232	120
6	0	0	54	230	106
7	0	0	47	214	106
8	0	0	57	198	111
9	0	0	54	192	99
10	0	0	49	190	88
11	0	0	42	167	78
12	0	0	34	197	63
13	0	0	35	205	51
14	0	0	43	190	69
15	0	0	48	193	50
16	0	0	47	126	50
17	0	0	45	138	44
18	0	0	52	152	46
19	0	0	58	142	47
20	0	0	110	122	49
21	0	0	110	146	45
22	0	0	106	110	33
23	0	0	83	166	0
24	0	0	72	116	26
25	0	0	88	85	46
26	0	0	89	0	46
27	0	0	80	0	76
28	0	13	80	0	14
29	0	25	116	0	0
30	0	24	146	0	0
31	0	-----	158	26	-----
Mean	0	2	67	142	62
Max.	0	25	158	232	120
Min.	0	0	26	0	0
A. F.	0	120	4110	8710	3670
Water diverted	16610 A. F.				
Acreage Reported	D-626 25190				

CULBERTSON DIVERSION
From Frenchman River—1945

Day	Oct.	Nov.	April	May	June	July	Aug.	Sept.
1	77	61	0	59	77	60	88	81
2	44	61	0	58	69	60	84	83
3	33	63	0	65	67	60	83	83
4	63	66	0	66	66	59	85	92
5	71	66	0	66	41	59	102	57
6	71	66	0	67	2	80	98	84
7	69	66	0	66	0	62	98	86
8	69	66	0	67	0	60	98	84
9	68	66	0	67	0	67	98	81
10	68	67	0	68	0	67	93	42
11	68	64	0	65	0	67	92	59
12	69	64	0	65	9	50	86	81
13	69	63	0	66	0	0	79	84
14	67	32	0	67	32	33	67	84
15	66	0	0	68	4	51	68	84
16	66	0	0	67	0	51	68	83
17	67	0	0	67	0	53	67	86
18	67	0	0	68	0	51	67	86
19	67	0	0	67	0	75	68	86
20	66	0	0	73	42	53	64	83
21	65	0	0	76	62	59	55	81
22	66	0	0	77	59	55	56	82
23	67	0	0	78	59	62	55	81
24	67	0	0	79	59	70	57	84
25	64	0	0	78	58	73	56	84
26	63	0	0	78	60	48	55	67
27	61	0	0	77	59	81	55	31
28	61	0	0	84	59	89	55	0
29	61	0	17	88	59	87	64	0
30	62	0	64	88	58	87	73	0
31	60	---	---	81	---	96	77	---
Mean	65	29	3	71	33	62	75	70
Max.	77	67	64	88	77	96	102	92
Min.	33	0	0	58	0	0	55	0
A. F.	3970	1730	160	4380	1990	3820	4580	4160

Water diverted
24790 A. F.
Record computed
from 1944 curve.
No measurements
made during 1945.
Acreage Reported
D-24,25
29,30 9196

DAWSON COUNTY DIVERSION
From Platte River—1945

Day	Oct	May	June	July	Aug.	Sept.
1	133	0	40	78	511	186
2	132	0	47	82	478	154
3	132	0	54	99	465	148
4	133	0	57	120	484	148
5	116	0	73	130	509	203
6	103	0	60	132	511	261
7	102	7	54	142	518	287
8	107	14	58	122	518	813
9	128	7	44	81	511	333
10	118	7	26	88	520	319
11	116	7	17	82	509	287
12	111	24	16	99	475	263
13	105	43	42	99	480	238
14	97	54	68	107	447	236
15	53	55	77	134	439	151
16	0	53	70	146	357	124
17	0	47	75	158	331	106
18	0	79	78	181	307	103
19	0	94	75	190	355	96
20	0	103	83	191	321	98
21	0	116	85	186	196	97
22	0	54	85	223	84	89
23	0	53	78	219	85	75
24	0	49	70	230	120	69
25	0	57	78	253	128	77
26	0	64	77	265	110	84
27	0	30	81	293	139	79
28	0	30	88	359	128	45
29	0	114	77	375	139	36
30	0	41	83	397	118	34
31	0	31	---	463	146	---
Mean	54	40	64	185	337	153
Max.	133	116	88	463	520	333
Min.	0	0	16	78	84	34
A. F.	3340	2450	3800	11350	20710	9400

Water diverted 51050 A. F.
Acreage Reported
D-621 520
D-622 66805
D-624 2803
A-2039 4953
A-2093 213
A-2110 18286
A-2145 835
A-2262 890

Total 95305

ELM CREEK DIVERSION

From Platte River—1945

Day	Oct.	May	June	July	Aug.	Sept.
1	10	0	0	0	50	24
2	10	0	0	14	63	26
3	11	0	0	14	74	22
4	12	0	0	14	65	34
5	11	0	0	18	63	28
6	0	0	0	26	75	22
7	0	0	0	29	85	22
8	0	0	0	21	81	16
9	0	0	6	26	73	14
10	0	0	6	19	75	16
11	0	0	6	31	62	28
12	0	0	1	22	72	24
13	0	0	1	21	90	30
14	0	0	1	24	92	30
15	0	0	1	8	90	34
16	0	0	1	9	86	34
17	0	0	1	20	87	24
18	0	0	1	20	30	23
19	0	0	1	13	74	10
20	0	0	1	12	62	0
21	0	0	1	12	72	0
22	0	0	1	11	66	0
23	0	0	1	30	45	0
24	0	0	1	28	32	0
25	0	0	1	22	38	0
26	0	0	1	16	22	0
27	0	0	1	40	36	0
28	0	0	0	31	26	0
29	0	0	0	16	32	0
30	0	0	0	18	34	0
31	0	0	0	34	26	0
Mean	2	0	1	20	61	15
Max.	12	0	6	40	92	34
Min.	0	0	0	0	22	0
A. F.	110	0	70	1230	3730	910
Water diverted	6050 A. F.		Acreage Reported		15707	

EMPIRE DIVERSION

From North Platte River—1945

Day	May	June	July	Aug.	Sept.	
1	0	0	0	0	6	
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	0	0	0	4	
7	0	0	0	0	4	
8	0	0	0	0	5	
9	0	0	0	0	5	
10	0	0	0	0	5	
11	0	0	0	0	6	
12	0	0	0	0	6	
13	0	0	0	0	6	
14	0	0	0	0	6	
15	0	0	0	0	6	
16	0	0	0	0	6	
17	0	0	0	3	4	
18	0	0	0	5	6	
19	0	0	0	6	4	
20	0	0	0	5	7	
21	0	0	0	4	7	
22	0	0	0	3	7	
23	0	0	0	5	7	
24	0	0	0	6	7	
25	0	0	0	4	7	
26	0	0	0	4	5	
27	0	0	0	4	5	
28	0	0	0	7	0	
29	0	0	0	6	0	
30	0	0	0	6	0	
31	0	0	0	7	0	
Mean	0	0	0	2	5	
Max.	0	0	0	7	7	
Min.	0	0	0	0	0	
A. F.	0	0	0	150	290	
Water diverted	440 A. F.		Acreage Reported		1549	
			D-858		75	
			A-866			

Total 1624

ENTERPRISE DIVERSION

From North Platte River—1945

Day	Oct.	May	June	July	Aug.	Sept.
1	41	0	118	26	51	74
2	37	0	110	35	48	78
3	32	0	106	65	62	79
4	34	0	68	66	63	69
5	36	0	42	76	57	64
6	35	16	33	86	48	64
7	20	28	34	71	53	64
8	0	21	15	55	56	66
9	0	33	11	50	61	65
10	0	35	10	50	68	67
11	0	35	11	50	74	67
12	0	35	16	50	76	62
13	0	35	15	50	86	46
14	0	32	15	50	87	44
15	0	31	4	51	92	27
16	0	30	0	51	101	27
17	0	29	11	50	101	26
18	0	27	26	50	88	26
19	0	31	26	48	84	26
20	0	31	31	4	71	25
21	0	34	31	35	62	26
22	0	42	29	35	68	26
23	0	50	31	34	68	26
24	0	58	29	43	73	23
25	0	54	28	43	70	23
26	0	65	26	46	69	23
27	0	69	24	44	73	21
28	0	84	23	44	72	22
29	0	88	23	43	79	21
30	0	135	23	51	71	23
31	0	125	—	54	74	—
Mean	8	40	32	49	71	43
Max.	41	135	118	86	101	79
Min.	0	0	0	4	48	21
A. F.	470	2490	1920	2990	4380	2580
Water diverted	14830 A. F.		Acreage Reported		6783	
			D-920			

ENTERPRISE FEEDER

From Stewart and Morrill Drains—1945

Day	Oct.	May	June	July	Aug.	Sept.
1	2	0	1	1	1	1
2	2	0	1	1	1	1
3	2	0	1	1	1	1
4	2	0	1	1	1	1
5	2	0	1	1	1	1
6	2	0	1	1	1	1
7	3	0	1	1	1	1
8	0	0	1	1	1	1
9	0	0	1	1	1	1
10	0	0	1	1	1	1
11	0	0	1	2	1	1
12	0	0	1	2	1	1
13	0	0	1	2	1	1
14	0	0	1	2	1	1
15	0	0	1	2	1	1
16	0	0	1	2	1	1
17	0	0	1	2	1	1
18	0	0	1	2	1	1
19	0	0	1	2	1	1
20	0	0	1	2	1	1
21	0	0	1	1	1	2
22	0	0	1	1	1	2
23	0	0	1	1	1	2
24	0	0	1	1	1	2
25	0	0	1	1	1	2
26	0	0	1	1	1	2
27	0	0	1	1	1	2
28	0	0	1	1	1	2
29	0	0	1	1	1	2
30	0	0	1	1	1	2
31	0	0	1	1	1	2
Mean	0.5	0	1	1	1	1
Max.	2.0	0	1	2	1	2
Min.	0.0	0	1	1	1	1
A. F.	30.0	0	60	80	60	80
Estimated diversion	310 A. F.					

ENTERPRISE FEEDER From Tub Springs—1945						
Day	Oct.	May	June	July	Aug.	Sept.
1	0	0	31	0	0	21
2	0	0	25	0	0	16
3	0	0	11	0	0	19
4	0	0	5	0	0	20
5	0	0	7	0	0	24
6	0	0	1	0	0	16
7	0	0	0	0	0	13
8	0	0	0	0	0	16
9	0	0	0	0	0	11
10	0	0	0	0	0	14
11	0	0	0	11	7	17
12	0	0	0	24	20	15
13	0	0	0	36	26	14
14	0	13	0	37	29	11
15	0	17	0	20	32	8
16	0	17	0	16	26	6
17	0	13	0	20	25	8
18	0	16	0	21	31	6
19	0	23	8	0	28	4
20	0	19	20	0	20	4
21	0	8	9	0	28	4
22	0	13	0	0	31	3
23	0	14	0	0	31	2
24	0	19	0	3	33	0
25	0	19	0	7	25	0
26	0	20	0	3	23	0
27	0	20	0	0	23	0
28	0	17	0	0	23	0
29	0	11	0	0	23	0
30	0	11	0	3	24	0
31	0	1	—	11	24	—
Mean	0	9	4	7	17	9
Max.	0	23	31	37	33	24
Min.	0	0	0	0	0	0
A. F.	0	540	220	420	1060	540

Estimated diversion 2780 A. F.
Record poor—Estimated from measurements of flow in Tub Springs above and below diversion.

ENTERPRISE FEEDER From Wet Spotted Tail Creek—1945						
Day	Oct.	May	June	July	Aug.	Sept.
1	7	0	8	6	12	13
2	7	0	8	6	12	13
3	7	0	8	6	12	13
4	7	0	8	7	12	13
5	7	0	8	7	12	13
6	8	8	8	7	12	13
7	8	8	8	8	12	13
8	0	8	8	8	12	13
9	0	8	8	8	12	13
10	0	8	7	9	12	13
11	0	8	7	9	12	13
12	0	8	7	9	12	13
13	0	8	7	10	13	13
14	0	8	6	10	13	13
15	0	8	6	10	13	13
16	0	8	6	11	13	13
17	0	8	6	11	13	13
18	0	8	5	11	13	13
19	0	8	5	11	13	13
20	0	8	5	11	13	13
21	0	8	5	11	13	13
22	0	8	5	11	13	13
23	0	8	5	11	13	13
24	0	8	5	11	13	13
25	0	8	5	11	13	13
26	0	8	5	11	13	13
27	0	8	5	11	13	13
28	0	8	5	11	13	13
29	0	8	5	11	13	13
30	0	8	5	11	13	13
31	0	8	—	11	13	—
Mean	2	6	6	10	13	13
Max.	8	8	8	11	13	13
Min.	0	0	5	6	12	13
A. F.	100	410	370	590	780	770

Water diverted 3020 A. F.

ENTERPRISE CANAL DIVERSIONS From North Platte River, Wet Spotted Tail Creek, Tub Springs, Stewart and Morrill Drains—1945						
Day	Oct.	May	June	July	Aug.	Sept.
1	50	0	158	33	64	103
2	46	0	144	42	61	108
3	41	0	126	72	75	112
4	43	0	82	74	76	103
5	45	0	58	84	70	102
6	45	24	43	94	61	94
7	31	36	43	80	66	91
8	0	29	24	64	69	96
9	0	41	20	59	74	90
10	0	43	18	60	81	95
11	0	43	19	72	94	98
12	0	43	24	85	109	91
13	0	43	23	98	126	74
14	0	53	22	99	130	69
15	0	56	11	83	138	49
16	0	55	7	80	141	47
17	0	50	18	83	140	49
18	0	51	32	84	133	46
19	0	62	32	61	126	44
20	0	58	57	17	105	43
21	0	50	46	47	104	45
22	0	63	35	47	113	44
23	0	72	37	46	113	43
24	0	85	35	58	120	38
25	0	81	34	62	109	38
26	0	93	32	61	106	38
27	0	97	30	56	110	36
28	0	109	29	56	109	37
29	0	107	29	55	116	36
30	0	154	29	66	109	38
31	0	134	—	77	112	—
Mean	10	56	43	66	102	66
Max.	50	154	158	99	141	112
Min.	0	0	7	17	61	36
A. F.	600	3440	2570	4080	6280	3970

Water diverted 20940 A. F.

Accrege Reported D-20 6508

FORT LARAMIE DIVERSION From North Platte River—1945						
Day	May	June	July	Aug.	Sept.	
1	0	768	274	1390	1350	
2	0	766	328	1400	1400	
3	0	739	397	1350	1390	
4	0	617	529	1260	1390	
5	0	545	699	1230	1400	
6	0	436	864	1230	1400	
7	0	372	1034	1180	1390	
8	0	258	1084	1190	1390	
9	0	232	1124	1230	1390	
10	0	234	1214	1230	1390	
11	0	227	1224	1310	1396	
12	0	241	1317	1400	1360	
13	0	240	1332	1400	1320	
14	0	241	1375	1400	1330	
15	0	241	1327	1400	1330	
16	0	241	1410	1390	1300	
17	422	241	1440	1396	1230	
18	388	234	1430	1380	1120	
19	391	238	1440	1400	1090	
20	421	238	1440	1400	1060	
21	387	234	1410	1370	996	
22	400	231	1390	1300	948	
23	456	234	1390	1270	943	
24	652	231	1390	1260	838	
25	706	227	1390	1260	676	
26	785	231	1420	1270	456	
27	834	279	1440	1260	456	
28	834	265	1440	1260	416	
29	834	270	1440	1260	407	
30	834	250	1440	1260	380	
31	794	—	1440	1320	—	
Mean	395	327	1189	1311	1094	
Max.	834	768	1440	1400	1400	
Min.	0	227	274	1180	380	
A. F.	18120	19460	73140	80630	65130	

Water diverted for irrigation 256480 A. F.

Accrege Reported A-768 Nebr. 53500 A-768 Wyo. 50000

Total 103500

GERING DIVERSION

From North Platte River—1945

Day	May	June	July	Aug.	Sept.
1	0	147	0	154	169
2	0	146	0	129	176
3	0	150	0	103	179
4	0	150	0	100	176
5	0	150	0	100	175
6	0	148	0	98	172
7	0	150	0	99	171
8	0	133	0	98	174
9	0	98	0	100	172
10	149	100	0	99	174
11	160	97	0	100	174
12	104	93	0	100	172
13	107	94	0	103	171
14	105	97	0	132	169
15	100	99	67	143	169
16	98	99	101	148	178
17	100	99	100	152	155
18	99	95	100	152	95
19	101	97	100	152	97
20	101	95	101	151	97
21	97	98	104	151	95
22	95	98	104	150	95
23	137	99	103	150	99
24	152	100	101	150	98
25	150	98	101	150	98
26	150	95	103	151	100
27	151	95	101	150	103
28	151	99	100	150	104
29	151	42	137	151	46
30	148	0	152	154	0
31	154	---	152	155	---
Mean	90	106	59	131	135
Max.	176	150	152	155	179
Min.	0	0	0	98	0
A. F.	5510	6280	3620	8080	8050
Water diverted—	Acreage			Reported	
ed 31540 A. F.	A-365			14255	

GOTHENBURG DIVERSION

For Power and Irrigation—Sec. 19-12-26—1945.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	222	80	30	110	81	114	89	140	133	126	297	214
2	227	108	60	60	77	107	89	125	97	114	303	281
3	220	108	70	70	82	80	96	115	80	182	307	272
4	223	110	60	70	102	146	97	112	96	231	301	274
5	225	121	40	74	101	129	110	106	172	238	287	277
6	195	121	30	80	107	129	107	103	198	234	303	285
7	152	128	70	80	108	152	102	98	193	229	319	289
8	155	122	80	80	113	144	98	95	204	238	321	291
9	156	119	70	70	124	140	96	101	135	236	325	277
10	161	119	70	80	126	129	103	101	149	232	327	283
11	163	121	50	80	118	122	118	96	140	232	309	254
12	174	118	40	80	55	116	107	91	148	223	307	274
13	176	119	30	80	89	112	115	95	148	236	305	256
14	176	115	90	120	84	111	126	128	137	222	315	260
15	182	114	90	89	79	111	137	142	142	223	303	262
16	168	110	80	71	72	106	132	137	137	232	317	260
17	111	108	80	65	73	106	164	136	118	236	325	262
18	80	118	60	73	125	98	125	136	107	232	317	262
19	94	128	50	92	125	102	171	132	90	243	301	270
20	100	129	60	96	114	102	154	116	114	232	287	251
21	100	129	70	85	113	100	140	122	96	241	305	254
22	100	129	15	62	124	102	132	132	80	240	293	198
23	82	103	30	101	122	97	125	115	94	266	268	137
24	68	132	40	108	123	94	122	111	176	291	240	103
25	67	139	80	116	113	96	126	108	189	287	179	111
26	66	101	90	114	96	98	128	139	169	241	277	174
27	60	80	80	120	93	96	129	156	155	287	264	240
28	57	60	80	103	94	94	135	200	139	272	256	231
29	55	50	100	94	---	94	132	222	142	289	229	160
30	58	30	100	71	---	95	133	177	136	299	241	110
31	58	---	110	72	---	94	---	182	---	285	227	---
Mean	133	109	65	86	102	110	121	128	137	238	289	236
Max.	227	139	110	120	126	152	171	222	204	299	327	291
Min.	55	30	15	60	73	80	89	95	80	114	179	103
A. F.	8200	6450	3980	5290	5690	6780	7220	7870	8160	14620	17760	14030
Water diverted	106080. For power 83620 A. F. For irrigation 22460 A. F.											

GOTHENBURG POWER RETURN
To Platte River—Sec. 9-11-25 W.—1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	143	33	18	97	50	158	80	121	80	103	143	111
2	151	67	46	51	58	117	72	125	57	96	129	158
3	152	64	59	59	68	52	80	99	40	89	136	160
4	145	71	52	62	81	134	79	101	40	142	133	149
5	150	71	28	52	76	56	102	89	94	162	106	158
6	145	96	23	68	93	77	105	85	130	158	98	161
7	104	93	58	64	105	109	101	85	117	165	95	166
8	105	109	72	64	98	140	91	86	131	158	101	179
9	109	116	65	62	111	145	101	89	147	162	92	169
10	113	129	64	66	113	133	93	104	87	158	84	152
11	114	119	43	76	106	121	113	84	146	158	61	180
12	123	125	24	71	109	125	103	85	130	161	57	140
13	133	130	20	66	131	127	101	78	140	159	62	132
14	133	130	78	119	110	105	118	106	136	156	69	145
15	122	125	81	81	109	115	119	125	134	165	57	142
16	133	124	73	54	96	107	129	127	133	155	58	161
17	85	113	65	47	40	112	129	108	125	162	68	158
18	57	110	49	59	42	104	147	108	105	159	80	162
19	32	120	40	78	53	100	141	109	89	163	84	162
20	37	120	46	84	67	96	158	101	81	164	84	163
21	52	120	61	72	113	103	142	97	86	161	103	151
22	48	126	41	47	94	87	129	111	67	158	116	133
23	39	126	26	41	117	97	121	104	68	130	109	97
24	22	121	30	68	127	90	115	90	117	170	105	68
25	29	137	71	85	76	91	113	49	146	169	72	62
26	24	55	77	79	49	96	122	83	137	157	114	76
27	31	69	64	93	87	93	113	89	128	148	125	66
28	31	48	68	81	92	89	124	91	113	135	122	113
29	24	37	93	61	---	91	125	141	123	155	121	101
30	26	20	92	43	---	81	117	113	109	162	133	62
31	28	---	106	37	---	98	---	118	---	143	130	---
Mean	85	97	56	67	84	105	113	100	108	151	98	135
Max.	152	137	106	119	131	158	158	141	147	170	143	180
Min.	22	20	18	37	40	52	72	49	40	89	57	62
A. F.	5230	5800	3440	4140	4680	6440	6710	6150	6420	9290	6020	8010

Water returned 72330 A. F. D-645, power.

GOTHENBURG IRRIGATION DIVERSION

Day	From Platte River—1945				
	May	June	July	Aug.	Sept.
1	0	43	10	136	89
2	0	31	6	158	103
3	0	35	82	154	92
4	0	51	71	151	106
5	0	167	56	168	99
6	0	52	56	192	104
7	0	62	44	212	103
8	0	57	60	207	92
9	0	0	54	222	88
10	0	0	51	232	112
11	0	0	54	240	54
12	0	0	42	242	116
13	0	0	57	235	108
14	0	0	47	248	97
15	0	0	38	238	102
16	0	0	53	251	79
17	0	0	54	248	84
18	0	0	53	227	80
19	0	0	60	206	88
20	0	23	48	192	68
21	0	0	60	189	84
22	0	5	62	163	48
23	0	18	120	146	27
24	10	45	101	122	26
25	53	25	98	98	41
26	48	15	64	149	89
27	56	11	120	123	166
28	98	12	120	119	104
29	63	4	115	93	46
30	50	14	117	91	40
31	50	---	124	81	---
Mean	14	24	68	178	84
Max.	98	167	124	251	166
Min.	0	0	6	81	26
A. F.	850	1430	4180	10970	5030

Water diverted 22460 A. F.

Acreage Reported
D-645a 820
D-645b 17000
A-3716 4585

Total 22405

GRAF DIVERSION

Day	From Blue Creek—1945				
	May	June	July	Aug.	Sept.
1	0	5	0	11	22
2	0	5	0	2	24
3	0	6	4	2	25
4	0	9	10	2	24
5	0	7	10	2	23
6	0	0	11	1	24
7	0	1	17	1	23
8	0	1	16	3	22
9	0	0	19	4	24
10	0	0	17	4	24
11	0	0	15	4	23
12	0	0	20	12	22
13	0	0	20	8	23
14	0	0	21	7	22
15	0	0	21	7	21
16	0	0	21	12	17
17	0	0	21	8	17
18	0	0	21	12	16
19	0	0	20	12	18
20	0	0	14	19	20
21	0	0	13	13	20
22	0	0	18	21	20
23	0	0	19	23	20
24	0	0	20	23	20
25	0	12	21	19	21
26	0	11	23	21	24
27	0	12	23	16	14
28	0	9	22	12	6
29	0	1	20	15	4
30	0	0	19	14	0
31	0	---	16	15	---
Mean	---	3	17	11	19
Max.	?	12	23	23	25
Min.	0	0	0	1	0
A. F.	4	160	1020	640	1160

Water diverted 2980 A. F.

Acreage Reported
D-763R 85
D-781R 15
D-788 1989

Total 2089

HOOPER DIVERSION
From Blue Creek—1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
1	12	0	10	8	8	11							
2	12	0	11	5	0	11							
3	12	0	12	10	10	12							
4	11	0	12	10	9	16							
5	11	0	12	11	4	16							
6	11	0	12	11	4	16							
7	11	0	9	12	5	12							
8	12	0	5	11	5	13							
9	11	0	11	12	4	13							
10	12	0	9	13	5	13							
11	13	8	7	14	11	13							
12	13	5	7	13	9	14							
13	12	3	6	15	13	15							
14	11	4	5	13	13	15							
15	10	3	8	14	13	14							
16	13	4	9	12	8	5							
17	13	6	6	16	6	10							
18	12	6	6	16	6	10							
19	11	11	5	15	6	10							
20	11	10	5	18	4	10							
21	10	10	4	17	4	10							
22	10	11	0	17	7	10							
23	10	11	0	16	9	11							
24	11	12	3	10	10	9							
25	11	9	4	12	10	10							
26	10	6	3	13	11	16							
27	11	0	2	13	9	4							
28	11	6	3	10	10	0							
29	11	13	6	12	10	0							
30	11	15	8	13	11	0							
31	11	12	---	11	12	---							
Mean	11	5	7	13	8	11							
Max.	13	15	12	18	13	16							
Min.	10	0	0	5	4	0							
A. F.	700	330	400	780	490	630							
Water diverted							Acreage Reported						
ed 3330 A. F.							D-781	858					
							D-733R	19					

HURLEY-LILLY-POLLY DIVERSION
From Lodgepole Creek—1945

Day	May	June	July	Aug.	Sept.		
1	0	2	0	3	5		
2	0	2	0	2	5		
3	0	2	0	0	4		
4	0	0	0	0	4		
5	0	0	0	0	4		
6	0	0	0	0	4		
7	0	0	0	0	5		
8	0	0	0	0	5		
9	0	0	0	0	5		
10	0	0	0	0	5		
11	0	0	0	0	5		
12	0	0	0	0	5		
13	0	0	0	0	5		
14	0	0	0	0	3		
15	0	0	0	0	3		
16	0	0	0	0	3		
17	0	0	0	0	3		
18	0	0	2	0	3		
19	0	0	0	0	4		
20	0	0	3	0	4		
21	0	0	3	0	4		
22	1	0	3	0	4		
23	1	0	3	1	4		
24	1	0	3	1	4		
25	1	0	3	0	4		
26	2	0	3	5	4		
27	2	0	3	5	4		
28	1	0	3	4	4		
29	1	0	3	4	3		
30	2	0	3	4	3		
31	2	---	3	4	---		
Mean	0.5	0.2	1	1	4		
Max.	2	2	3	5	5		
Min.	0	0	0	0	0		
A. F.	28	12	75	65	242		
Water diverted						Acreage Reported	
ed *422 A. F.						D-354	180
						* Estimated from measurements.	

Total 877

INTERSTATE DIVERSION
From North Platte River—1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
1	0	0	0	0	0	0	806	926	1460	960	2020	1990	
2	0	0	0	0	0	0	816	923	1380	1060	2010	1990	
3	0	0	0	0	0	0	818	915	1320	1190	1810	1980	
4	0	0	0	0	0	0	821	921	1250	1270	1750	1970	
5	0	0	0	0	0	0	821	923	1170	1460	1750	1970	
6	0	0	0	0	0	0	824	969	1040	1700	1800	1970	
7	0	0	0	0	0	0	818	1020	811	1830	1870	1960	
8	0	0	0	0	0	0	821	1010	518	1840	1710	1900	
9	0	0	0	0	0	0	824	1010	17	1850	1580	1860	
10	0	0	0	0	0	0	824	1010	0	1920	1470	1790	
11	0	0	0	0	0	0	837	1030	0	1920	1490	1740	
12	0	0	0	0	0	0	824	1050	0	1910	1660	1700	
13	0	0	0	0	0	0	824	1050	0	1880	1910	1640	
14	0	0	0	0	0	0	535	1050	0	1880	1970	1610	
15	0	0	0	0	0	0	620	1050	0	1890	1990	1610	
16	0	0	0	0	0	0	750	1060	0	1910	2000	1600	
17	0	0	0	0	0	0	809	957	0	1940	2000	1540	
18	0	0	0	0	0	0	821	912	9	1990	2000	1470	
19	0	0	0	0	0	0	826	921	430	2010	2000	1400	
20	0	0	0	0	0	0	837	946	704	2000	2000	1320	
21	0	0	0	0	0	0	830	1000	951	1730	2000	1260	
22	0	0	0	0	0	0	826	1010	1000	1660	1990	1240	
23	0	0	0	0	0	0	821	1030	998	1660	1950	1240	
24	0	0	0	0	0	0	837	1090	998	1660	1910	1240	
25	0	0	0	0	0	0	837	1190	909	1660	1890	1140	
26	0	0	0	0	0	0	901	1330	826	1680	1910	1080	
27	0	0	0	0	0	326	923	1440	842	1790	1950	1080	
28	0	0	0	0	0	609	923	1540	954	1920	1980	1030	
29	0	0	0	0	0	747	921	1560	983	1930	1980	680	
30	0	0	0	0	0	---	791	926	1540	929	1970	1980	135
31	0	0	0	0	0	---	806	---	1500	---	2020	1990	---
Mean	0	0	0	0	0	0	106	821	1093	650	1746	1881	1504
Max.	0	0	0	0	0	0	806	926	1560	1460	2020	2020	1990
Min.	0	0	0	0	0	0	0	535	912	0	960	1470	135
A. F.	0	0	0	0	0	0	6500	48840	67210	38680	107390	115680	89530
Water diverted	473830 A. F.												

REPORT OF THE STATE ENGINEER

KEARNEY DIVERSION												
Day	From Platte River, Buffalo and Elm Creeks—1945											
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	130	137	244	295	255	203	74	345
2	0	0	0	0	170	200	121	296	257	173	130	292
3	0	0	0	0	190	79	141	291	254	279	170	82
4	0	0	0	0	180	226	77	298	276	304	250	51
5	0	0	0	0	200	91	178	300	230	217	186	52
6	0	0	0	0	240	103	50	295	255	256	186	107
7	0	0	0	0	230	111	96	324	214	298	124	77
8	0	0	0	0	190	113	220	307	238	292	203	67
9	0	0	0	120	160	127	146	292	263	308	237	89
10	0	0	0	120	180	202	257	308	264	333	220	78
11	0	0	0	110	190	190	289	300	193	290	212	103
12	0	0	0	110	190	132	290	312	290	322	156	83
13	0	0	0	110	240	188	244	329	238	326	296	68
14	0	0	0	90	250	202	222	227	172	318	302	76
15	0	0	0	90	250	221	229	307	218	291	260	64
16	0	0	0	60	220	203	97	294	257	266	239	69
17	0	0	0	30	50	175	175	296	173	298	316	52
18	0	0	0	30	90	191	265	291	150	315	329	46
19	0	0	0	30	120	144	234	295	151	307	295	42
20	0	0	0	30	120	205	237	285	148	295	312	35
21	0	0	0	60	150	209	257	216	144	298	318	50
22	0	0	0	50	150	234	232	279	148	302	283	138
23	0	0	0	90	110	273	164	291	170	277	348	206
24	0	0	0	150	170	254	250	287	135	308	286	199
25	0	0	0	180	120	250	260	309	122	335	326	214
26	0	0	0	160	60	200	273	287	138	292	304	199
27	0	0	0	160	90	263	269	247	164	268	303	198
28	0	0	0	130	60	261	270	289	315	263	320	210
29	0	0	0	90	---	251	272	328	247	169	322	237
30	0	0	0	120	---	248	211	309	247	90	330	227
31	0	---	0	110	---	251	---	266	---	73	342	---
Mean	0	0	0	72	160	191	209	292	211	270	261	125
Max.	0	0	0	180	250	273	290	329	315	333	348	345
Min.	0	0	0	0	50	79	50	216	122	73	74	51
A. F.	0	0	0	4420	8930	1770	12440	17950	12560	16590	16020	7450
Water diverted 108130 A. F.	Acreage Reported											
	D-1023			4207								
	D-1023			Power								
	A-1577			Power								

KEARNEY POWER RETURN												
Day	To Platte River—Sec. 12-8-16 W.—1945											
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	0	160	130	261	260	267	214	100	329
2	0	0	0	0	160	190	119	297	277	174	119	281
3	0	0	0	0	180	70	228	285	271	233	174	100
4	0	0	0	0	160	140	56	297	235	329	233	40
5	0	0	0	0	110	78	204	295	252	285	162	6
6	0	0	0	0	160	81	52	302	275	225	64	60
7	0	0	0	0	140	69	86	190	238	310	116	48
8	0	0	0	0	150	85	231	263	247	342	166	24
9	0	0	0	110	150	134	140	263	277	352	208	69
10	0	0	0	110	160	220	256	267	293	346	146	47
11	0	0	0	100	180	204	289	261	168	352	181	34
12	0	0	0	90	160	147	329	267	323	339	100	63
13	0	0	0	90	210	190	265	281	260	331	223	40
14	0	0	0	80	230	202	225	277	187	323	275	56
15	0	0	0	70	240	236	261	323	214	316	222	62
16	0	0	0	90	220	211	211	316	281	300	200	53
17	0	0	0	60	40	204	78	302	178	304	240	64
18	0	0	0	50	20	187	245	289	146	287	281	54
19	0	0	0	30	20	150	279	285	143	329	233	45
20	0	0	0	10	60	202	250	265	136	306	261	36
21	0	0	0	20	120	202	263	202	118	293	316	15
22	0	0	0	30	110	212	281	261	126	302	277	122
23	0	0	0	60	100	273	269	283	146	235	378	178
24	0	0	0	110	160	250	240	279	191	306	316	212
25	0	0	0	150	120	242	261	293	116	339	327	212
26	0	0	0	140	20	200	263	279	135	320	331	214
27	0	0	0	130	60	248	261	248	150	287	312	256
28	0	0	0	120	50	260	256	283	308	283	329	243
29	0	0	0	80	---	260	269	365	252	202	318	240
30	0	0	0	40	---	252	198	325	240	99	331	260
31	0	---	0	70	---	261	---	295	---	49	327	---
Mean	0	0	0	59	130	187	221	281	215	284	234	117
Max.	0	0	0	150	240	273	329	365	323	352	331	329
Min.	0	0	0	0	20	69	52	190	116	49	64	6
A. F.	0	0	0	3650	7200	11480	13140	17250	12790	17460	14410	6970
Water returned 104350 A. F.												

KEITH-LINCOLN COUNTY DIVERSION
From North Platte River—1945

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	80	0	35	34	40	62	49
2	76	0	33	23	40	63	51
3	68	0	33	26	47	70	60
4	68	0	33	32	47	74	68
5	70	0	32	56	48	73	67
6	64	0	30	46	54	77	51
7	64	0	33	20	61	78	67
8	63	0	35	19	87	69	61
9	63	0	35	24	85	62	67
10	63	0	34	29	63	74	68
11	64	0	32	17	25	76	64
12	63	0	63	36	11	78	55
13	62	0	57	35	47	80	49
14	63	0	52	38	77	78	55
15	62	0	51	39	80	78	53
16	57	0	47	33	35	76	51
17	58	0	44	18	23	76	53
18	61	0	30	19	20	79	58
19	62	0	26	34	55	78	58
20	62	0	50	39	70	78	42
21	54	0	52	65	66	38	44
22	54	0	47	66	61	11	37
23	52	0	55	68	63	30	35
24	52	13	69	55	62	23	34
25	52	14	65	51	65	50	35
26	51	22	64	52	59	63	50
27	49	47	59	55	55	61	53
28	37	43	54	64	54	44	50
29	0	43	45	61	63	40	31
30	0	40	30	47	73	41	35
31	0	---	20	---	74	47	---
Mean	55	7	44	40	55	62	62
Max.	80	47	69	68	87	80	68
Min.	0	0	20	17	11	11	31
A. F.	3360	440	2690	2380	3390	3820	3080
Water diverted	19160	A. F.		Acreage	Reported		
				D-722	6011		

KIMBALL DIVERSION, NORTH
From Lodgepole Creek and Oliver
Reservoir—1945

Day	May	June	July	Aug.	Sept.
1	0	0	0	16	11
2	0	0	0	8	12
3	0	0	0	0	12
4	0	0	0	0	12
5	0	0	0	12	11
6	0	0	0	12	11
7	0	0	0	13	13
8	0	0	0	14	12
9	0	0	0	13	12
10	0	0	0	13	12
11	0	0	9	12	11
12	0	0	10	13	11
13	0	0	10	12	11
14	0	0	11	13	10
15	0	0	11	14	8
16	0	0	11	11	8
17	0	0	11	12	8
18	0	0	11	10	8
19	0	0	2	10	8
20	0	0	8	11	4
21	0	0	8	12	5
22	0	0	8	10	5
23	0	0	8	8	5
24	0	0	12	4	0
25	0	0	12	9	5
26	0	0	14	3	10
27	0	0	7	11	11
28	0	0	14	12	8
29	0	0	15	0	0
30	0	0	15	12	0
31	0	---	16	12	---
Mean	0	0	7	10	8
Max.	0	0	16	16	13
Min.	0	0	0	0	0
A. F.	0	0	440	620	500
Water diverted	1560	A. F.		Acreage	Reported
			A-897	1130	

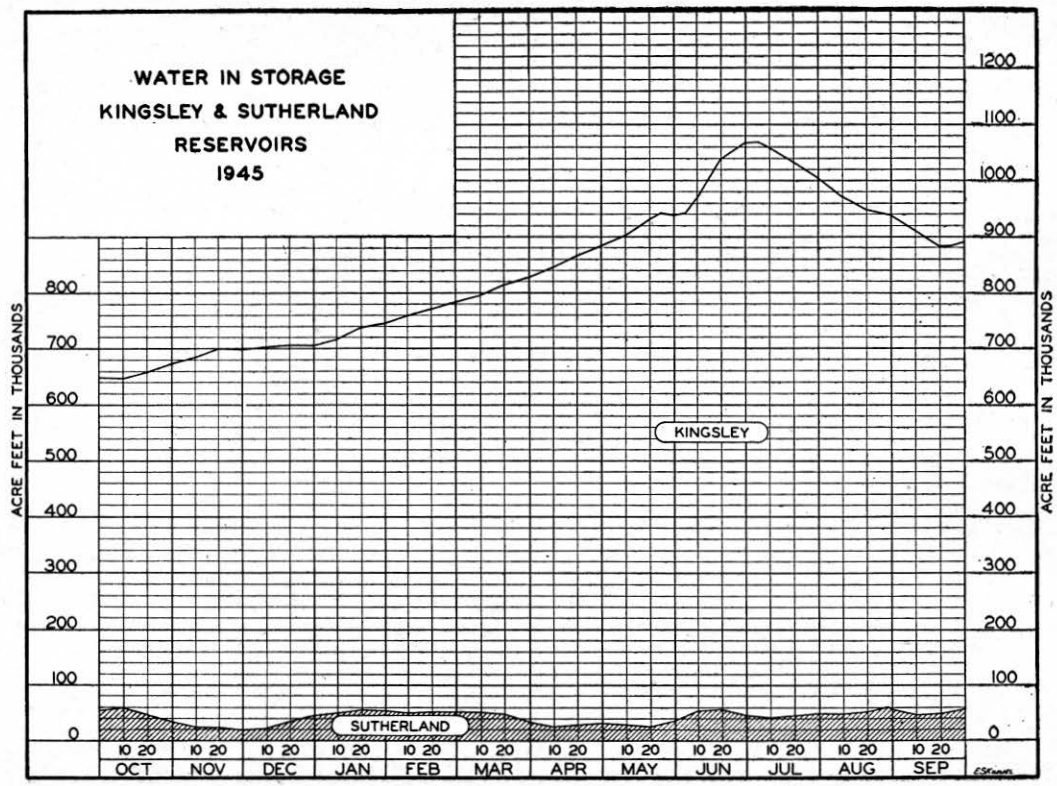
Record very poor, only two measurements.

KIMBALL DIVERSION, SOUTH
From Lodgepole Creek and Oliver
Reservoir—1945

Day	May	June	July	Aug.	Sept.
1	0	0	0	15	25
2	0	0	0	10	25
3	0	0	0	0	27
4	0	0	0	0	25
5	0	0	0	14	25
6	0	0	0	14	26
7	0	0	22	17	29
8	0	0	0	15	28
9	0	0	0	9	29
10	0	0	0	9	29
11	0	0	13	12	29
12	0	0	11	14	26
13	0	0	18	14	28
14	0	0	23	18	25
15	0	0	22	21	29
16	0	0	25	0	30
17	0	0	24	0	30
18	0	0	25	6	31
19	0	0	13	7	31
20	0	0	13	0	23
21	0	0	13	19	24
22	0	0	13	21	25
23	0	0	14	18	25
24	0	0	20	17	26
25	0	0	21	17	25
26	0	0	24	17	28
27	0	0	8	21	27
28	0	0	13	22	26
29	0	0	9	22	0
30	0	0	9	25	0
31	0	---	9	25	---
Mean	0	0	12	14	25
Max.	0	0	25	25	31
Min.	0	0	0	0	0
A. F.	0	0	720	830	1500
Water diverted	3050	A. F.		Acreage	Reported
			A-897	3320	

KINGSLEY STORAGE RESERVOIR
Daily Contents in Acre-feet—1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	592380	642120	678760	658520	691360	730400	796830	851710	900630	1021290	948070	881870
2	590600	643820	677710	658520	694550	731510	799730	853290	898230	1022170	942860	881470
3	589520	645410	677190	658690	694550	734250	802170	854660	896040	1021730	933480	880870
4	589250	646530	676660	658870	694730	736090	806850	855250	895640	1021730	934940	880870
5	588590	648570	677710	659040	694900	737560	808850	855840	895840	1022400	934940	879870
6	588260	651110	678410	659740	697390	737740	811300	857610	900830	1021290	930770	876580
7	588090	653350	678930	660790	700580	737930	813520	858590	901830	1020190	927220	873930
8	588090	656250	679630	662180	702890	738110	814640	860560	903820	1019080	924090	870980
9	588090	657990	679630	662930	705720	740310	816420	863120	908210	1018640	922010	868030
10	588420	659560	679280	665320	708390	742150	817750	866060	913800	1015770	921800	864100
11	589250	662710	678930	665500	710520	744360	819760	869600	916200	1012460	917840	860170
12	590070	664620	677710	668640	712110	746560	821310	872940	923470	1010250	916800	856830
13	591720	666720	677010	670730	713710	749130	822650	876480	929720	1007820	915600	853880
14	594200	668990	674570	671600	715130	751150	824430	879860	936810	1006380	913200	850730
15	594200	669510	674750	674220	716370	755010	825540	885460	944320	1003620	909810	847980
16	599970	669860	675270	675620	718320	757770	830220	890250	952450	1000300	906820	843060
17	603270	670910	673870	677190	718680	759230	831550	893840	960740	997160	904820	842280
18	606570	672650	672300	678060	718850	762410	832890	895240	967450	994110	902230	839520
19	609040	673870	670910	679460	718850	764920	833780	898830	974370	991870	897640	839520
20	612180	675100	669510	680680	718850	766960	835780	903620	980880	988210	895840	836220
21	614280	675790	668640	681550	719210	769010	836890	905420	986580	985560	891850	834220
22	615310	676840	668460	682250	720450	771210	837950	907220	991870	981900	891250	832440
23	619600	676840	666720	682600	720450	773250	838940	908210	996550	973850	889450	833110
24	622280	677010	664970	683650	724000	775450	839920	909010	1001410	976410	887850	832000
25	624500	678760	663750	685220	725440	778440	840900	908010	1004500	973760	886460	831550
26	627330	679810	662530	686790	727640	780790	842280	906820	1007590	972340	883860	830220
27	629420	679810	659740	688530	729480	783780	843650	906420	1011790	970710	881870	832440
28	631440	679810	658690	689940	728740	786920	844830	904220	1015330	967660	880870	834000
29	635480	679810	658690	691360	-----	789120	847390	902820	1017310	966030	882070	834220
30	637380	679620	658690	691360	-----	791320	849550	902230	1019520	959520	881870	834670
31	640260	-----	658690	691360	-----	793500	-----	901230	-----	954330	881870	-----



KINNEY DIVERSION NO. 1, SOUTH

From Lodgepole Creek—1945

Day	May	June	July	Aug.	Sept.
1	0	0	2	0	4
2	0	0	2	0	4
3	0	0	2	0	4
4	0	0	2	0	4
5	0	0	2	0	4
6	0	0	2	0	4
7	0	0	2	0	4
8	0	0	2	0	4
9	0	0	2	0	4
10	0	0	2	0	4
11	0	0	2	3	4
12	0	0	2	3	4
13	0	0	2	3	4
14	0	0	2	3	4
15	0	0	2	4	4
16	0	0	2	3	4
17	0	1	2	3	4
18	0	1	2	3	4
19	0	2	2	3	4
20	0	2	2	2	4
21	0	2	0	0	4
22	0	2	0	3	4
23	0	2	0	3	4
24	0	2	0	3	4
25	0	2	0	3	4
26	0	2	2	3	4
27	0	2	3	3	4
28	0	2	0	3	4
29	0	2	0	4	3
30	0	2	0	4	3
31	0	---	0	4	---
Mean	0	1	1	2	4
Max.	0	2	3	4	4
Min.	0	0	0	0	3
A. F.	0	52	89	127	234
Estimated diversion 502 A. F.			Acreage Reported		
			D-345		135
Record very poor.			D-350		*
Only 6 measurements. No cur-			A-718R		48
* No report.			A-1826		*
			Total		183

KINNEY DIVERSION NO. 2, NORTH

From Lodgepole Creek—1945

Day	May	June	July	Aug.	Sept.
1	0	0	1	1	0
2	0	0	1	1	0
3	0	0	1	1	0
4	0	0	1	1	0
5	0	0	1	1	0
6	0	0	1	0	0
7	0	0	1	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	2	0	0	0
21	0	2	0	0	0
22	0	2	0	0	0
23	0	2	0	0	0
24	0	2	0	0	0
25	0	1	0	0	0
26	0	1	0	0	0
27	0	1	0	0	0
28	0	1	1	0	0
29	0	1	1	0	0
30	0	1	1	0	0
31	0	---	1	0	---
Mean	0	0.5	0.3	0.2	0
Max.	0	2	1	1	0
Min.	0	0	0	0	0
A. F.	0	32	22	10	0
Estimated diversion 64 A. F.			Acreage Reported		
			D-348		182
Record very poor.			A-718		54
Only 3 measurements.			Total		236

LAST CHANCE DIVERSION

From Pumpkinseed Creek—1945

Day	May	June	July	Aug.	Sept.
1	0	0	7	6	7
2	0	0	7	0	7
3	0	0	8	0	7
4	0	0	7	0	7
5	0	0	7	0	4
6	0	0	3	0	4
7	0	0	0	0	4
8	0	0	8	0	4
9	0	0	8	5	4
10	0	0	8	3	4
11	0	0	8	3	4
12	0	0	8	2	4
13	0	0	8	2	4
14	0	0	8	5	4
15	0	0	7	5	4
16	0	0	7	0	4
17	0	0	5	0	4
18	0	0	5	0	4
19	0	0	5	0	4
20	0	0	5	5	4
21	0	0	5	5	4
22	0	0	5	5	4
23	0	0	5	5	3
24	0	0	5	5	3
25	0	0	7	3	3
26	0	7	7	0	3
27	0	7	7	0	4
28	0	6	7	0	5
29	0	6	6	3	5
30	0	4	6	3	5
31	0	---	6	7	---
Mean	0	1	6	2	4
Max.	0	7	8	6	7
Min.	0	0	0	0	3
A. F.	0	60	390	140	260

Water diverted 850 A. F.
 Recorder not operating this season.
 Above gage readings from water
 commissioner's report.
 Acreage Reported
 D-883 442

LISCO DIVERSION						
Day	From North Platte		River—1945		Sept.	A. F.
	Oct.	May	June	July		
1	16	0	0	9	50	46
2	4	0	0	14	45	31
3	18	0	0	18	20	52
4	14	0	0	20	14	46
5	12	0	0	19	34	45
6	9	0	0	16	29	46
7	8	0	0	16	13	44
8	7	0	0	19	6	35
9	3	0	0	25	13	32
10	0	0	0	29	7	32
11	0	0	0	34	1	30
12	0	0	0	39	0	27
13	0	12	0	40	25	34
14	0	16	0	39	35	39
15	0	6	0	34	22	29
16	0	9	0	36	15	21
17	0	31	0	27	8	34
18	0	20	0	18	12	40
19	0	14	0	19	26	34
20	0	9	0	14	34	34
21	0	6	0	18	32	27
22	0	26	3	26	32	12
23	0	25	8	8	31	7
24	0	10	4	18	32	15
25	0	19	4	29	32	29
26	0	24	15	25	31	31
27	0	26	9	32	16	30
28	0	24	6	45	26	27
29	0	27	0	30	19	21
30	0	30	0	25	16	29
31	0	19	—	36	32	—
Mean	3	11	2	25	23	32
Max.	18	31	15	45	50	52
Min.	0	0	0	9	0	7
A. F.	180	700	100	1540	1400	1900

Water diverted 5820 A. F.	Acreage Reported	
	D-856	1391
	D-787R	943
	A-243R	635
	A-991	216
	Total	3185

LYONS DIVERSION						
Day	From North Platte		River—1945		Sept.	A. F.
	Oct.	May	June	July		
1	10	0	0	2	6	4
2	10	0	0	1	3	5
3	11	0	0	4	2	4
4	6	0	0	5	1	6
5	0	0	0	5	8	6
6	0	0	0	4	13	6
7	0	0	12	8	12	7
8	0	0	12	6	10	5
9	0	0	12	8	8	6
10	0	0	12	10	6	6
11	0	0	12	10	0	7
12	0	0	13	9	0	7
13	0	0	12	9	0	3
14	0	0	7	7	0	9
15	0	0	1	3	0	3
16	0	0	0	6	0	3
17	0	0	0	8	0	1
18	0	0	0	6	0	8
19	0	0	0	3	0	19
20	0	0	0	3	0	18
21	0	0	2	5	0	15
22	0	0	3	6	0	6
23	0	0	4	7	0	6
24	0	0	7	3	0	5
25	0	0	6	0	0	4
26	0	0	6	0	0	1
27	0	0	5	0	0	0
28	0	0	5	0	0	0
29	0	0	5	0	0	0
30	0	0	5	0	0	0
31	0	0	—	8	5	—
Mean	1	0	4	4	2	6
Max.	11	0	13	10	13	19
Min.	0	0	0	0	0	0
A. F.	75	0	280	290	145	340
Water diverted 1130 A. F.			Acreage Reported			
			D-805	2200		

McINTOSH DIVERSION						
Day	From Lodgepole Creek—1945		Sept.	A. F.	A. F.	A. F.
	May	June				
1	0	3	2	0	3	
2	0	4	2	0	2	
3	0	4	2	0	3	
4	0	4	2	0	2	
5	0	4	0	0	3	
6	0	4	0	0	3	
7	0	4	0	0	3	
8	0	4	0	0	3	
9	0	4	0	1	3	
10	0	4	0	1	3	
11	0	4	0	1	3	
12	0	4	0	1	3	
13	0	4	0	1	3	
14	0	4	0	1	3	
15	0	4	0	1	3	
16	0	4	0	1	3	
17	0	4	0	0	3	
18	0	4	0	0	3	
19	0	4	0	0	3	
20	0	3	0	0	3	
21	0	3	0	0	3	
22	1	3	0	0	1	
23	3	3	0	0	2	
24	3	3	0	0	2	
25	3	4	2	2	2	
26	3	3	2	2	2	
27	3	3	2	2	2	
28	3	2	2	0	2	
29	3	2	2	2	3	
30	3	2	0	2	5	
31	4	—	0	2	—	
Mean	1	4	0.5	1	3	
Max.	4	4	2	2	5	
Min.	0	2	0	0	1	
A. F.	60	210	40	40	160	
Water diverted 510 A. F.			Acreage Reported			
			D-351	176		
			A-734	122		
			Total	298		

MEREDITH-AMMER DIVERSION						
From Pumpkinseed Creek—1945						
Day	May	June	July	Aug.	Sept.	
1	0	5	5	6	3	
2	0	5	6	0	3	
3	0	5	6	6	3	
4	0	5	6	6	2	
5	0	5	6	5	5	
6	0	5	6	7	5	
7	0	5	0	7	4	
8	0	5	0	7	5	
9	0	5	0	7	5	
10	0	0	0	5	5	
11	0	0	0	5	5	
12	0	0	0	4	5	
13	0	0	0	4	5	
14	0	0	0	4	5	
15	0	0	0	6	2	
16	0	0	3	6	2	
17	0	0	3	5	2	
18	0	0	3	5	2	
19	0	0	3	5	1	
20	0	0	3	4	1	
21	0	0	3	4	2	
22	0	0	3	5	2	
23	0	0	2	5	1	
24	0	0	3	5	1	
25	0	0	2	5	1	
26	7	0	2	5	1	
27	7	0	2	4	1	
28	6	5	1	3	1	
29	6	6	2	3	1	
30	6	6	2	3	1	
31	6	---	2	3	---	
Mean	1	2	2	5	3	
Max	7	6	6	7	5	
Min.	0	0	0	0	1	
A. F.	80	120	150	300	160	
Water divert- ed 810 A. F.				Acreage Reported D-876	981	

Above data based on gage heights by
water commissioner.

MIDLAND-OVERLAND DIVERSION						
From North Platte River—1945						
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	25	6
17	0	0	0	0	22	6
18	0	0	0	0	18	6
19	0	0	0	0	14	6
20	0	0	0	0	10	7
21	0	0	0	0	12	3
22	0	0	0	0	5	5
23	0	0	0	0	6	0
24	0	0	0	0	6	2
25	0	0	0	0	7	9
26	0	0	0	0	7	10
27	0	0	0	0	14	11
28	0	0	0	0	3	13
29	0	0	0	0	3	12
30	0	0	0	0	3	14
31	0	---	0	0	0	---
Mean	0	0	0	0	5	4
Max.	0	0	0	0	25	14
Min.	0	0	0	0	0	0
A. F.	0	0	0	0	310	230
Water divert- ed 540 A. F.				Acreage Reported D-789	994	

Above data based on gage heights by
water commissioner.

Total 1735

MINATARE DIVERSION						
From North Platte River—1945						
Day	Oct.	May	June	July	Aug.	Sept.
1	46	0	64	23	60	64
2	50	0	66	28	43	62
3	55	0	59	42	39	56
4	51	0	60	61	46	60
5	55	0	52	53	45	56
6	0	0	45	62	40	63
7	0	0	46	76	42	70
8	0	0	48	76	53	66
9	0	0	48	80	45	69
10	0	0	48	82	57	67
11	0	0	50	80	68	67
12	0	0	42	75	73	68
13	0	0	42	77	69	65
14	0	0	42	67	73	64
15	0	0	35	71	82	63
16	0	0	31	82	71	61
17	0	0	29	77	65	60
18	0	0	31	76	65	58
19	0	0	34	77	70	47
20	0	0	25	77	75	46
21	0	0	10	80	61	50
22	0	0	0	79	53	60
23	0	43	0	69	43	63
24	0	35	0	61	47	53
25	0	35	0	62	47	50
26	0	35	0	62	42	47
27	0	54	33	53	39	49
28	0	61	35	59	39	43
29	0	60	26	71	64	35
30	0	54	27	59	71	35
31	---	60	---	61	63	---
Mean	8	14	34	67	56	57
Max.	55	61	66	82	82	70
Min.	0	0	0	23	39	35
A. F.	510	870	2040	4090	3470	3410
Water divert- ed 14390 A. F.				Acreage Reported D-919	7864	

MITCHELL DIVERSION						
From North Platte River—1945						
Day	Oct.	May	June	July	Aug.	Sept.
1	116	0	183	73	169	197
2	115	0	134	72	195	196
3	106	0	188	74	206	197
4	95	0	176	77	202	197
5	79	0	157	169	179	200
6	72	0	143	195	174	200
7	71	0	142	199	178	200
8	71	0	138	207	178	200
9	68	0	139	209	182	199
10	66	0	109	207	183	188
11	64	0	105	203	182	169
12	64	0	101	202	182	163
13	64	0	95	196	184	162
14	19	0	91	192	184	162
15	0	0	82	191	183	146
16	0	0	69	190	186	131
17	0	29	70	190	210	126
18	0	40	67	187	217	123
19	0	42	65	191	217	122
20	0	40	61	195	213	120
21	0	77	65	195	191	117
22	0	91	74	186	183	110
23	0	100	72	171	182	101
24	0	102	73	183	182	96
25	0	103	71	169	182	96
26	0	110	71	168	178	94
27	0	158	72	169	178	93
28	0	178	72	169	179	93
29	0	176	72	169	174	93
30	0	182	74	170	188	91
31	0	182	---	169	197	---
Mean	35	52	103	172	188	146
Max.	116	182	188	209	217	200
Min.	0	0	61	72	169	91
A. F.	2120	3190	6110	10560	11540	8690
Water divert- ed 42210 A. F.				Acreage Reported D-1052	18594	

NINE MILE DIVERSION

From North Platte River—1945

Day	May	June	July	Aug.	Sept.
1	0	82	84	64	80
2	0	86	79	76	84
3	0	86	68	60	81
4	0	93	68	55	84
5	0	99	73	63	77
6	0	78	77	89	77
7	0	60	68	114	79
8	0	60	58	52	68
9	0	36	59	34	66
10	0	6	71	57	68
11	0	0	68	53	68
12	0	0	67	45	68
13	79	0	66	55	66
14	83	0	68	58	72
15	91	0	76	55	74
16	77	0	79	55	74
17	74	0	75	67	75
18	74	0	75	67	74
19	71	4	82	67	74
20	60	4	84	69	69
21	55	95	90	74	76
22	32	74	95	74	82
23	36	65	86	61	85
24	67	80	64	67	82
25	73	74	27	73	73
26	67	56	0	73	69
27	82	78	60	72	85
28	83	68	68	72	87
29	98	81	64	67	82
30	88	89	66	64	79
31	74	—	63	67	—
Mean	44	48	69	65	76
Max.	98	99	95	114	91
Min.	0	0	0	34	66
A. F.	2710	2880	4220	4000	4540
Water diverted ed 18350 A. F.				Acreeage Reported D-925	5738

NORTH PLATTE DIVERSION

From North Platte River—1945

Day	Oct.	Nov	May	June	July	Aug.	Sept.
1	96	83	0	101	50	196	198
2	82	85	0	91	50	229	186
3	82	85	0	85	48	225	184
4	83	21	0	69	75	206	190
5	82	0	0	52	85	174	206
6	83	0	0	28	83	174	190
7	82	0	0	38	90	174	160
8	83	0	0	37	101	170	93
9	83	0	0	40	123	174	90
10	83	0	0	39	134	174	107
11	83	0	0	38	109	192	182
12	82	0	0	39	94	202	91
13	82	0	30	50	96	200	36
14	82	0	112	28	96	198	116
15	80	0	130	28	83	194	104
16	78	0	85	29	65	186	93
17	77	0	69	28	69	184	116
18	78	0	85	36	62	196	111
19	83	0	107	36	62	196	119
20	83	0	101	38	66	42	91
21	83	0	77	31	118	96	96
22	83	0	101	33	85	98	77
23	83	0	121	38	85	29	47
24	83	0	137	40	78	54	114
25	82	0	208	38	78	116	107
26	83	0	204	42	78	130	107
27	82	0	132	54	78	125	91
28	80	0	54	61	78	172	74
29	82	0	59	52	77	174	36
30	82	0	54	52	82	182	38
31	83	—	88	—	168	204	—
Mean	82	9	63	46	85	163	115
Max.	96	85	208	101	168	229	206
Min.	77	0	0	28	48	42	36
A. F.	5060	540	3880	2720	5250	10050	6850
Water diverted ed 34350 A. F.						Acreeage Reported D-635	1394

NORTHPORT DIVERSION From North Platte River and Pathfinder Reservoir (Including Drains)—1945						
Day	May	June	July	Aug.	Sept.	
1	0	256	168	294	255	
2	0	251	151	248	253	
3	0	217	148	297	265	
4	0	200	108	310	253	
5	0	207	124	313	248	
6	0	194	133	310	256	
7	0	166	168	260	272	
8	0	131	200	29	281	
9	0	118	234	63	275	
10	0	120	250	217	274	
11	0	108	265	205	277	
12	0	98	256	208	286	
13	0	93	251	200	281	
14	0	96	260	198	277	
15	0	114	260	208	286	
16	0	134	250	198	291	
17	0	0	250	179	260	
18	0	0	250	183	270	
19	0	0	248	212	272	
20	0	0	241	253	274	
21	0	0	253	277	262	
22	0	0	265	270	272	
23	0	47	272	272	267	
24	47	188	286	267	270	
25	52	210	294	267	263	
26	163	250	300	283	256	
27	177	234	303	291	243	
28	193	243	301	283	246	
29	217	177	307	274	251	
30	226	163	308	272	251	
31	212	.....	303	274	---	
Mean	41	133	239	239	266	
Max.	226	256	308	313	291	
Min.	0	0	108	29	243	
A. F.	2555	7965	14690	14710	15840	
Water diverted 55760 A. F.						
Acreage Reported						
A-768 16109						

NORTHPORT DIVERSION From North Platte River and Pathfinder Reservoir—1945						
Day	May	June	July	Aug.	Sept.	
1	0	240	75	148	63	
2	0	235	41	130	60	
3	0	201	34	175	70	
4	0	183	0	190	57	
5	0	180	15	187	55	
6	0	165	24	183	62	
7	0	131	55	165	76	
8	0	94	89	0	78	
9	0	86	124	0	76	
10	0	89	137	92	74	
11	0	78	165	63	78	
12	0	68	173	39	85	
13	0	64	168	36	82	
14	0	67	177	30	78	
15	0	71	177	39	86	
16	0	0	166	31	91	
17	0	0	158	18	61	
18	0	0	138	20	116	
19	0	0	145	44	180	
20	0	0	201	73	178	
21	0	0	212	98	166	
22	0	0	232	94	177	
23	0	20	234	95	172	
24	0	161	229	92	175	
25	0	182	171	88	169	
26	53	223	175	104	162	
27	68	178	198	114	171	
28	93	150	196	106	196	
29	130	84	200	95	201	
30	182	69	203	88	201	
31	196	---	189	86	---	
Mean	23	100	145	88	116	
Max.	196	240	234	190	201	
Min.	0	0	0	0	65	
A. F.	1430	5990	8930	5400	6930	
Water diverted 28680 A. F.						

NORTHPORT IRRIGATION DISTRICT						
Drains Entering	Tri-State	Canal—1945				
Day	May	June	July	Aug.	Sept.	
1	7	16	93	146	192	
2	6	16	110	118	193	
3	6	16	114	122	195	
4	7	17	112	120	196	
5	6	27	109	126	193	
6	7	29	109	127	194	
7	7	35	113	95	196	
8	7	37	111	66	203	
9	19	32	110	157	199	
10	24	31	113	125	200	
11	24	30	100	142	199	
12	23	30	83	169	201	
13	23	29	83	164	199	
14	26	29	83	168	199	
15	23	43	83	169	200	
16	23	31	84	167	200	
17	23	29	92	161	199	
18	23	29	112	163	154	
19	28	29	103	168	92	
20	24	29	40	180	96	
21	26	28	41	179	96	
22	26	28	33	176	95	
23	26	27	38	177	95	
24	63	27	57	175	95	
25	108	28	123	179	94	
26	110	27	125	179	94	
27	109	56	105	177	72	
28	100	93	105	177	60	
29	87	93	107	179	60	
30	44	94	105	184	60	
31	16	---	114	188	---	
Mean	34	35	94	156	149	
Max.	110	94	125	188	203	
Min.	6	16	33	66	50	
A. F.	2084	2112	5770	9569	3913	
Water diverted 28448 A. F.						

ORCHARD-ALFALFA DIVERSION

From Platte River—1945					
Day	May	June	July	Aug.	Sept.
1	0	0	36	63	22
2	0	0	34	64	9
3	0	0	31	72	9
4	0	0	41	76	43
5	0	0	39	73	46
6	0	0	37	65	33
7	0	0	38	72	33
8	0	0	38	69	35
9	0	0	36	76	35
10	0	0	35	49	40
11	0	0	46	46	38
12	0	0	46	45	40
13	0	0	37	50	28
14	0	0	36	40	28
15	0	0	35	40	28
16	0	0	35	75	27
17	16	0	35	73	27
18	32	0	34	76	27
19	26	35	36	71	24
20	25	35	36	66	17
21	24	34	35	69	27
22	20	35	35	70	26
23	17	33	36	51	18
24	18	33	35	50	18
25	24	34	35	46	17
26	24	36	37	34	18
27	46	30	46	0	17
28	48	31	37	2	18
29	48	35	34	2	0
30	48	34	32	12	0
31	3	---	24	2	---
Mean	14	13	36	52	24
Max.	48	36	46	76	46
Min.	0	0	31	0	0
A. F.	830	800	2240	3170	1480
Water diverted 8520 A. F.			Acreage Reported		
Record very poor.			D-627	5950	

OSHKOSH DIVERSION

From North Platte River—1945					
Day	Oct.	May	June	July	Aug. Sept.
1	4	0	0	0	0
2	6	0	0	0	0
3	6	0	0	0	3
4	0	0	0	0	3
5	0	0	0	0	4
6	0	0	0	0	5
7	0	0	0	0	2
8	0	0	0	0	5
9	0	0	0	0	5
10	0	0	0	0	2
11	0	0	0	0	4
12	0	0	1	2	4
13	0	0	2	2	4
14	0	0	2	2	4
15	0	0	2	2	4
16	0	0	2	3	4
17	0	0	2	3	0
18	0	0	2	3	0
19	0	0	2	3	2
20	0	1	2	3	2
21	0	1	1	3	3
22	0	1	1	6	3
23	0	1	1	6	4
24	0	1	1	6	3
25	0	1	0	7	2
26	0	1	0	7	1
27	0	0	0	7	0
28	0	0	0	6	0
29	0	0	0	6	0
30	0	0	0	4	0
31	0	0	---	3	0
Mean	0.5	0.2	0.7	3	2
Max.	6	1	2	7	5
Min.	0	0	0	0	0
A. F.	32	14	42	167	145
Water diverted 626 A. F.			Acreage Reported		
			D-797	2217	
			A-243R	162	

Total 2379

OWASCO DIVERSION

From Lodgepole Creek—1945					
Day	May	June	July	Aug.	Sept.
1	30	0	0	5	6
2	2	0	0	3	6
3	2	0	0	0	6
4	2	0	0	0	6
5	2	0	0	0	4
6	2	0	5	0	5
7	2	0	5	0	5
8	2	0	6	0	6
9	2	0	6	5	6
10	2	0	6	4	6
11	2	0	6	4	7
12	2	0	7	5	7
13	0	0	7	5	6
14	0	0	7	5	6
15	0	0	0	7	6
16	0	0	0	0	5
17	0	0	0	0	6
18	0	0	1	0	6
19	0	0	1	0	6
20	0	0	1	7	6
21	0	0	1	0	6
22	0	0	1	0	5
23	0	0	1	6	5
24	0	0	1	6	5
25	0	0	1	7	4
26	0	0	4	6	5
27	0	0	0	8	5
28	0	0	2	8	0
29	0	0	2	8	0
30	0	0	1	9	0
31	0	---	4	8	---
Mean	1	0	2	4	5
Max.	2	0	7	9	7
Min.	0	0	0	0	0
A. F.	50	0	150	230	300
Estimated diversion 730 A. F.			Acreage Reported		
Estimated from three measurements and 1944 record.			A-725	689	
			Total	772	

OWASCO DIVERSION (BAY STATE LATERAL)

From Lodgepole Creek—1945					
Day	May	June	July	Aug.	Sept.
1	0	0	0	1	0
2	0	0	0	1	0
3	0	0	0	0	3
4	0	0	0	0	0
5	0	0	0	0	1
6	0	0	0	1	0
7	0	0	0	1	0
8	0	0	0	1	0
9	0	0	0	0	1
10	0	0	0	0	1
11	0	0	0	0	1
12	0	0	0	1	1
13	0	0	0	1	1
14	0	0	0	0	1
15	0	0	0	0	1
16	0	0	0	0	1
17	0	0	2	0	1
18	0	0	1	0	1
19	0	0	1	0	1
20	0	0	1	2	1
21	0	0	1	0	1
22	0	0	1	0	1
23	0	0	1	1	1
24	0	0	1	1	1
25	0	0	1	4	1
26	0	0	2	4	1
27	0	0	0	2	1
28	0	0	2	1	0
29	0	0	2	1	0
30	0	0	1	0	0
31	0	---	1	0	---
Mean	0	0	1	1	1
Max.	0	0	2	4	3
Min.	0	0	0	0	0
A. F.	0	0	40	40	60
Estimated diversion 140 A. F.			Acreage Reported		
Record poor. Only two measurements.			D-347R	83	

PAISLEY DIVERSION

From Blue Creek and Crescent Lake—1945					
Day	Oct.	May	June	July	Aug. Sept.
1	11	0	14	7	13 14
2	11	0	13	8	0 14
3	11	0	13	12	0 14
4	11	0	0	12	0 14
5	11	0	0	12	0 14
6	11	0	0	12	0 14
7	10	0	5	12	0 13
8	11	0	4	3	0 12
9	12	6	0	0	5 9
10	13	7	0	0	6 6
11	13	8	0	0	5 6
12	13	12	0	12	5 6
13	13	14	0	12	7 6
14	13	8	0	12	6 6
15	13	10	0	12	7 6
16	13	14	0	13	5 6
17	14	12	0	13	12 6
18	14	15	0	13	12 6
19	14	14	0	13	14 5
20	14	15	0	14	12 5
21	14	15	0	14	10 5
22	14	15	0	15	7 5
23	14	15	0	13	8 5
24	14	15	0	13	8 5
25	14	15	0	13	8 6
26	14	14	1	14	8 7
27	14	14	4	14	8 8
28	14	14	8	14	8 8
29	14	14	7	10	9 8
30	14	14	7	9	9 8
31	14	13	—	13	11 —
Mean	13	9	3	11	7 8
Max.	14	15	14	15	14 14
Min.	10	0	0	0	0 5
A. F.	790	580	150	660	400 490

Water diverted 3070 A. F

Acres Reported	
D-800	815
A-515	95
A-1738	231
Total	1141

PAXTON-HERSHEY DIVERSION

From North Platte River—1945					
Day	Oct.	May	June	July	Aug. Sept.
1	63	0	48	40	66 48
2	68	0	52	40	70 54
3	67	0	52	37	79 52
4	64	0	48	11	102 32
5	62	0	54	3	122 89
6	59	0	55	6	110 109
7	60	0	55	18	112 98
8	60	0	52	37	114 70
9	61	0	52	62	118 72
10	62	0	52	69	118 70
11	62	0	46	69	123 66
12	63	29	46	67	126 63
13	46	32	44	66	115 63
14	34	35	43	70	113 63
15	37	32	44	74	119 65
16	40	37	45	71	122 66
17	36	40	44	71	126 66
18	45	40	36	69	127 58
19	50	38	41	65	130 52
20	0	40	49	66	118 48
21	0	53	49	66	79 49
22	0	61	53	66	52 49
23	0	59	49	65	50 52
24	0	17	41	61	48 50
25	0	30	37	61	58 60
26	0	46	26	58	78 49
27	0	47	41	58	72 44
28	0	48	40	58	49 43
29	0	49	37	58	26 37
30	0	50	39	63	26 35
31	0	48	—	66	49 —
Mean	33	27	46	54	91 60
Max.	68	53	55	74	130 109
Min.	0	0	26	3	26 35
A. F.	2060	1650	2720	3350	5510 3600
Water diverted	18990	A. F.	Acres Reported	D-653	7458

RAMSHORN DIVERSION

From North Platte River—1945					
Day	May	June	July	Aug. Sept.	
1	0	16	2	5 4	
2	0	8	0	29 4	
3	0	7	2	32 14	
4	0	16	2	28 10	
5	0	11	2	33 4	
6	0	16	2	31 4	
7	0	19	2	20 4	
8	0	20	12	15 9	
9	0	19	21	3 11	
10	0	13	20	12 14	
11	0	15	16	6 17	
12	0	18	11	3 14	
13	0	16	6	5 13	
14	0	11	22	6 9	
15	0	10	23	5 4	
16	0	6	21	5 4	
17	0	5	14	5 16	
18	0	4	13	5 15	
19	0	3	18	13 9	
20	0	2	7	29 5	
21	0	0	6	23 6	
22	0	6	16	13 6	
23	0	10	18	14 6	
24	0	0	9	13 4	
25	0	0	6	10 4	
26	0	0	7	4 2	
27	0	1	11	6 0	
28	0	3	19	5 0	
29	0	13	13	5 0	
30	0	11	11	5 0	
31	24	—	3	5 —	
Mean	1	9	11	13 7	
Max.	24	20	23	33 17	
Min.	0	0	0	3 0	
A. F.	50	550	660	780 420	
Water diverted	2460	A. F.	Acres Reported	D-918R	215
				D-945	1708
Total					1923

SHERIDAN-WILSON DIVERSION
From North Platte River—1945

Day	May	June	July	Aug.	Sept.
1	0	0	0	1	0
2	0	0	0	7	0
3	0	0	0	2	0
4	0	0	0	1	0
5	0	0	0	1	0
6	0	0	0	1	0
7	0	0	0	1	0
8	0	0	2	1	0
9	0	0	3	0	0
10	0	0	8	8	0
11	0	0	7	7	0
12	0	0	4	9	0
13	0	0	6	7	0
14	0	0	6	12	0
15	0	0	4	11	0
16	0	0	11	9	0
17	0	0	7	14	0
18	0	0	4	6	0
19	0	0	7	6	0
20	0	0	8	9	0
21	0	0	2	21	0
22	0	0	0	2	4
23	1	0	0	0	2
24	0	0	0	0	3
25	1	0	0	0	3
26	4	0	0	0	4
27	4	0	0	0	4
28	0	0	0	0	3
29	1	0	0	0	3
30	0	0	0	0	3
31	0	0	0	0	—
Mean	0.3	0	2	4	1
Max.	4	0	11	21	4
Min.	0	0	0	0	0
A. F.	22	0	157	270	58
Water diverted ed 507 A. F.				Acreage Reported D-710	676

SHERIDAN-WILSON DIVERSION
From Sarben Slough—1945

Day	May	June	July	Aug.	Sept.
1	5	7	5	6	7
2	5	7	5	6	7
3	5	7	5	6	7
4	5	7	5	6	7
5	5	7	5	6	7
6	5	8	5	6	7
7	5	8	5	6	7
8	5	8	5	6	7
9	5	8	5	6	7
10	5	8	5	6	7
11	5	7	5	7	7
12	5	7	5	7	7
13	5	7	5	7	7
14	5	7	5	7	7
15	5	7	5	7	7
16	6	7	6	7	7
17	6	7	6	7	7
18	6	7	6	7	7
19	6	7	7	7	7
20	6	7	7	7	7
21	6	6	7	8	7
22	6	6	6	8	7
23	6	6	6	8	7
24	6	6	6	8	7
25	6	6	5	7	7
26	6	6	5	7	7
27	6	6	5	7	7
28	6	6	5	7	7
29	6	6	5	7	7
30	6	6	5	7	7
31	6	—	5	7	—
Mean	6	7	6	7	7
Max.	6	8	7	8	7
Min.	5	6	5	6	7
A. F.	340	410	330	410	420
Total Water Diverted 1910 A. F.					
Estimated discharge from measurements.					

SHORT LINE DIVERSION
From North Platte River—1945

Day	May	June	July	Aug.	Sept.
1	0	0	0	11	9
2	0	0	0	2	10
3	0	0	0	0	8
4	0	0	0	0	7
5	0	0	5	0	5
6	0	7	23	0	6
7	0	0	30	0	8
8	0	0	27	0	10
9	0	0	28	0	11
10	0	0	29	0	18
11	0	0	29	0	18
12	0	0	31	0	18
13	0	0	31	4	20
14	0	0	30	9	22
15	0	0	32	16	19
16	0	0	26	7	19
17	0	0	26	5	22
18	0	0	23	12	22
19	0	0	23	16	19
20	0	0	25	15	11
21	0	0	25	16	11
22	0	0	24	13	11
23	22	0	11	10	11
24	20	0	17	11	11
25	16	0	21	11	8
26	17	0	16	12	5
27	21	0	19	14	6
28	24	0	20	13	0
29	17	0	17	7	0
30	14	0	20	4	0
31	11	—	19	6	—
Mean	5	0.2	20	7	15
Max.	24	7.0	32	16	22
Min.	0	0.0	0	0	0
A. F.	320	10	1240	420	680
Water diverted ed 2670 A. F.				Acreage Reported D-946	2809

SIX MILE DIVERSION
From Platte River—1945

Day	May	June	July	Aug.	Sept.
1	0	0	0	8	12
2	0	0	0	8	14
3	0	0	0	10	15
4	0	0	0	11	18
5	0	0	0	12	19
6	0	0	0	12	18
7	0	0	0	12	20
8	0	0	0	14	24
9	0	0	0	12	9
10	0	0	0	13	9
11	0	0	0	13	10
12	0	0	0	12	0
13	0	0	0	12	0
14	0	0	0	14	0
15	0	0	0	14	0
16	0	0	0	14	0
17	0	0	0	13	0
18	0	0	0	14	0
19	0	0	0	16	0
20	0	0	0	16	0
21	0	0	0	17	0
22	0	0	0	16	0
23	0	0	0	19	0
24	0	0	0	19	0
25	0	0	0	18	0
26	0	0	4	17	0
27	0	0	4	17	0
28	0	0	4	18	0
29	0	0	4	14	0
30	0	0	6	11	0
31	0	—	8	11	—
Mean	0	0	1	14	6
Max.	0	0	8	19	24
Min.	0	0	0	8	0
A. F.	0	0	60	850	330
Water diverted ed 1240 A. F.				Acreage Reported D-680	1810

SPOHN DIVERSION

From North Platte River—1945

Day	May	June	July	Aug.	Sept.
1	0	0	0	4	0
2	0	0	0	2	0
3	0	0	0	2	0
4	0	0	0	2	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	2	0
11	0	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	0	2	0
16	0	0	3	2	0
17	0	0	6	2	0
18	0	0	5	1	0
19	0	0	1	1	0
20	0	0	0	4	0
21	0	0	0	7	0
22	0	0	0	7	0
23	0	0	0	6	0
24	0	0	0	2	0
25	0	0	0	1	0
26	0	0	0	2	0
27	0	0	0	1	0
28	0	0	0	1	0
29	0	0	0	1	0
30	0	0	2	0	0
31	0	---	3	0	---
Mean	0	0	0.6	2	0
Max.	0	0	6	7	0
Min.	0	0	0	0	0
A. F.	0	0	40	150	0

Estimated diversion 190 A. F. Acreage Reported D-801 799
 Record very poor. D-803R. no acreage report filed.

SUBURBAN DIVERSION

From North Platte River—1945

Day	Oct.	May	June	July	Aug.	Sept.
1	73	0	12	6	79	30
2	81	0	12	5	83	0
3	83	0	13	6	95	10
4	77	0	20	6	76	40
5	73	0	10	7	73	71
6	71	0	11	7	73	109
7	65	0	10	8	65	107
8	63	0	10	11	56	101
9	73	0	8	23	48	99
10	71	0	6	28	47	99
11	42	0	5	33	59	101
12	21	0	4	30	63	105
13	21	0	2	25	65	112
14	14	0	2	25	69	91
15	0	0	2	22	69	95
16	0	0	2	24	61	93
17	0	0	2	35	57	69
18	0	0	0	36	52	69
19	0	16	2	31	39	75
20	0	22	4	38	39	73
21	0	19	4	33	52	59
22	0	9	4	85	38	36
23	0	10	6	77	35	27
24	0	23	2	71	28	21
25	0	33	4	75	27	20
26	0	21	2	77	39	30
27	0	85	7	71	73	42
28	0	61	7	73	39	43
29	0	36	6	71	20	43
30	0	13	4	77	24	47
31	0	13	---	79	20	---
Mean	27	12	61	38	54	63
Max.	83	85	20	85	95	112
Min.	0	0	0	5	20	0
A.F.	1640	720	360	2370	3300	3790

Water diverted 12180 A. F. Acreage Reported D-662 7263

SUTHERLAND DIVERSION

From North Platte River—1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1560	0	100	1170	825	865	0	651	1500	689	1490	630
2	1580	0	100	1100	825	875	0	642	1500	776	1480	698
3	1600	0	100	1090	830	880	0	638	1560	955	1470	700
4	1610	0	100	1120	835	875	0	640	1560	932	1470	778
5	1600	0	200	1120	830	850	52	620	1570	945	1450	975
6	1600	0	300	1130	830	900	292	523	1540	981	1440	1120
7	1550	00	311	1130	830	875	499	384	1480	1090	1500	1160
8	1410	0	400	1120	830	870	537	242	1240	1140	1500	1160
9	1290	0	482	1130	830	800	555	114	1020	1250	1490	1150
10	1270	0	619	1130	835	650	579	149	856	1470	1470	1380
11	1150	0	834	1110	835	499	565	150	733	1500	1470	1180
12	800	0	940	1100	840	354	594	35	458	1500	1480	1170
13	489	0	990	1100	855	240	796	406	345	1500	1480	1190
14	120	0	1020	1010	855	122	856	595	336	1500	1480	1260
15	0	0	1100	1070	840	85	908	765	349	1520	1480	1430
16	0	0	1140	1140	855	0	856	892	324	1190	1480	1480
17	0	0	1140	1140	870	0	916	1110	298	1490	1470	1470
18	0	0	1130	1130	870	0	904	1230	296	1500	1460	1480
19	0	0	1150	1120	875	0	896	1230	297	1510	1450	1460
20	0	0	1130	1126	875	0	896	1230	312	1510	1460	1460
21	0	0	1120	1130	870	0	898	1220	384	1510	1350	1460
22	0	0	1140	840	850	0	902	1220	393	1510	1360	1460
23	0	0	1130	960	830	0	900	1280	393	1510	1380	1460
24	0	0	1130	860	845	0	900	1430	390	1500	1340	1460
25	0	0	1120	850	850	0	904	1520	390	1500	1380	1460
26	0	0	1120	840	835	0	878	1530	394	1500	1390	1470
27	0	0	1120	840	850	0	788	1540	392	1500	1300	1470
28	0	75	1120	840	870	0	660	1550	376	1500	1140	1500
29	0	100	1120	830	-----	98	644	1540	381	1500	894	1560
30	0	100	1110	835	-----	146	647	1520	517	1490	733	1570
31	0	-----	1120	830	-----	127	-----	1540	-----	1500	612	-----
Mean	570	9	829	1030	845	326	627	908	721	1338	1366	1273
Max.	1610	100	1150	1170	875	900	916	1550	1570	1520	1500	1570
Min.	0	0	100	830	825	0	0	35	296	689	612	630
A. F.	34970	540	50850	63340	46950	20060	37330	56800	42910	82250	84000	75770

Water diverted 594770 A. F.

REPORT OF THE STATE ENGINEER

SUTHERLAND RESERVOIR SYSTEM
Storage in Sutherland, Regulator, and Forebay Reservoirs, Combined
Total Live Storage in Acre-feet—1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54344	32238	19832	44419	56521	52262	33328	32250	39444	47484	48798	56908
2	54850	31004	19615	45233	54725	52071	32115	31891	41331	46256	48824	56000
3	54793	29872	19843	45879	54468	52103	31086	31913	43438	45484	48471	45679
4	55244	28760	19666	46168	54631	52696	29750	31882	45280	55761	48461	54679
5	55610	28765	19411	46762	54262	51944	28619	31752	47270	44263	48654	51578
6	56065	27780	19717	46899	54417	51553	27675	31936	49897	43517	48467	50460
7	56661	26953	19973	47673	54323	51498	26616	31555	51899	42272	48432	50078
8	57694	25939	20304	48208	54315	52022	26397	30684	54545	42111	48401	48601
9	58911	25222	20322	48225	54364	52092	25777	29816	56058	41140	48448	48633
10	59084	24439	20942	48619	54666	52506	25551	29263	57525	41067	48356	47924
11	59834	24399	21345	48998	54635	53256	24902	28377	58322	41034	48647	47296
12	59776	23874	22826	49000	54405	53033	24148	27320	59037	41351	49132	46723
13	58798	24276	23713	49394	53980	52678	23825	26978	59932	41086	49418	46443
14	57996	23692	25516	50141	53330	52131	24067	26873	59579	42291	49850	46096
15	56114	23352	27104	50920	53919	51788	24764	27091	59836	43952	50258	45621
16	54311	23159	28474	50888	53920	51031	25555	27024	59692	44142	50835	46372
17	52473	22939	30492	51689	53615	50600	26146	26761	59605	44719	51484	46530
18	50467	22391	31841	52014	53789	50217	27234	26773	59458	45696	51885	46903
19	49469	22776	33559	52054	52873	49247	28126	26960	59199	45850	52240	47511
20	46817	22517	33981	53362	52787	48274	29179	26694	58369	46107	52175	48173
21	46296	22243	34923	55210	52512	47395	29655	27030	57429	46692	53417	48538
22	45506	22137	36415	55623	52598	46150	30493	27214	56606	47872	54829	49244
23	44134	21946	36134	55848	52715	44975	30844	27355	56235	47261	56467	50457
24	42762	21740	36986	55769	53085	44062	31394	27800	54347	46898	56807	50884
25	41275	21581	38014	55969	52810	42154	31898	28200	53100	47743	56396	51196
26	40046	21420	39540	56227	52426	40632	32552	29000	52069	48529	49116	51560
27	38726	21243	39901	56343	52091	39224	32953	30680	51424	48988	60034	52212
28	36718	20688	40767	57281	52289	37899	32648	32155	50093	49336	61134	53015
29	36249	20403	41770	57166	-----	36350	32376	34010	48630	49930	60322	59487
30	34844	19873	42582	56635	-----	35087	32107	35690	46915	49989	59487	57466
31	33575	-----	43919	56242	-----	34457	-----	37547	-----	49267	58158	-----

Reported by Platte Valley Public Power and Irrigation District.

SUTHERLAND POWER RETURN
To the River at North Platte—Sec. 9-13-30 W.—1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1046	453	44	424	829	579	376	426	297	250	1144	792
2	1110	454	67	527	833	544	524	451	366	757	1146	604
3	1167	386	0	541	720	723	546	419	90	941	1105	657
4	1052	314	0	656	550	418	499	473	414	746	1124	936
5	1029	0	0	587	583	784	523	451	414	882	982	1098
6	1011	333	0	680	562	765	537	300	47	1005	1116	1157
7	923	323	4	615	560	641	564	456	1	1196	1018	1146
8	582	324	11	608	600	589	405	570	44	811	1024	1175
9	772	320	172	608	465	434	641	480	0	1181	1074	1027
10	723	276	107	655	474	406	523	401	0	1090	1049	1060
11	750	115	167	775	458	105	678	209	0	1082	1027	1062
12	725	48	140	719	638	487	659	117	0	1089	992	1001
13	795	0	134	665	747	386	651	21	0	1040	1021	979
14	757	0	96	357	718	304	451	212	0	981	924	1034
15	555	0	1	391	379	194	316	313	189	568	800	940
16	750	0	156	680	572	310	339	555	0	787	759	814
17	740	0	0	479	723	84	392	696	0	797	842	983
18	753	0	194	622	251	0	250	893	0	763	795	939
19	797	0	345	743	781	293	200	832	86	917	655	903
20	698	0	380	215	723	246	235	822	212	962	893	863
21	361	0	472	0	709	331	361	891	394	870	872	827
22	204	0	409	541	561	327	279	816	463	388	281	775
23	517	0	423	593	431	503	522	913	516	1160	300	496
24	451	0	346	523	406	502	330	790	544	1154	503	926
25	468	0	285	483	663	372	454	1069	508	948	757	995
26	499	0	452	378	686	456	321	998	570	961	269	939
27	527	154	389	480	773	469	501	554	623	796	423	833
28	512	8	443	90	540	491	543	536	713	886	587	634
29	248	15	437	443	-----	551	597	437	805	750	685	130
30	552	17	709	709	-----	490	530	423	751	989	625	412
31	483	-----	731	731	-----	329	-----	560	-----	1137	773	-----
Mean	694	118	196	533	618	423	458	551	268	899	825	869
Max.	1167	454	731	775	833	784	678	1069	805	1146	1146	1175
Min.	204	0	0	0	379	0	200	21	0	250	269	180
A. F.	42680	7020	12060	32760	34320	26010	27280	33890	15960	55310	50710	61740

Total 389740 A. F.
Records furnished by the Platte Valley Public Power and Irrigation District.

THIRTY MILE DIVERSION
From Platte River—1945

Day	Oct.	May	June	July	Aug.	Sept.
1	132	0	73	55	192	174
2	132	0	78	55	202	185
3	132	0	75	88	228	189
4	133	0	80	99	255	201
5	131	0	80	64	256	205
6	116	0	82	99	279	205
7	118	0	82	94	261	206
8	116	0	78	103	265	205
9	104	0	85	94	267	202
10	100	0	65	97	266	194
11	92	0	64	99	266	193
12	92	0	66	98	267	195
13	92	29	71	97	263	183
14	92	95	62	90	278	144
15	92	81	61	90	277	149
16	81	79	59	92	275	148
17	54	79	56	90	278	135
18	48	77	54	99	271	127
19	51	73	57	94	260	113
20	54	70	64	89	262	141
21	52	82	57	90	260	139
22	52	78	51	91	205	136
23	46	77	52	93	179	143
24	40	81	76	90	173	141
25	39	82	66	99	169	129
26	38	83	58	99	174	125
27	45	76	54	102	173	123
28	49	76	57	96	169	118
29	51	76	58	112	141	113
30	51	78	57	141	163	116
31	51	80	....	162	165	....
Mean	80	47	66	96	230	159
Max.	133	95	85	162	279	206
Min.	38	0	51	55	141	113
A. F.	4910	2380	3920	5870	14160	9480

Water diverted 41220 A. F.
Acreage Reported
A-1853 19174
A-1976 3555
A-2077 320
Total 23649

TRI-COUNTY DIVERSION
From Platte River—Sec. 8-13-29 W.—1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1620	1250	1250	1150	1240	1530	1030	1230	1370	1110	2150	1730
2	1660	1350	1260	1100	1530	1410	1150	1120	1120	1300	2130	1470
3	1780	1270	1440	1130	1330	1440	1200	1110	980	1500	2150	1420
4	1660	1290	1370	1350	1340	1460	1240	1070	1270	1390	2130	1600
5	1660	1110	1540	1660	1370	1160	1200	1060	1760	1380	2140	1690
6	1610	1280	1650	1750	1610	1430	1290	910	2000	1500	2190	1780
7	1510	1350	1790	1720	1630	1590	1200	1020	1710	1630	2110	1940
8	1270	1470	1760	1690	1730	1660	1050	1040	1440	1480	2080	2140
9	1300	1470	2090	1630	1700	1440	1240	1120	1640	1570	2070	2140
10	1270	1430	1920	1700	1530	1300	1130	1000	2040	1700	2100	2000
11	1360	1280	1700	1890	1370	970	1300	840	1880	1820	2070	2060
12	1330	1260	1690	1920	1660	1320	1260	660	1740	1860	2100	2080
13	1340	1290	1760	1870	1730	1180	1380	550	1600	1740	2140	2080
14	1330	1350	1890	1760	1620	1240	1400	780	1600	1720	2090	2090
15	1220	1390	2020	1530	1480	1030	1120	940	1630	1300	2080	2070
16	1310	1370	1950	1580	1400	1120	1420	1120	1560	1820	2140	2040
17	1380	1360	1720	1500	1290	930	1580	1280	1440	1950	2130	2000
18	1380	1390	1470	1440	990	730	1450	1460	1330	2080	2080	2030
19	1420	1440	1750	1530	1290	920	1160	1440	1280	1860	2030	2090
20	1380	1490	1880	1450	1440	950	1110	1290	1520	1920	2090	2060
21	1160	1570	1350	820	1700	980	990	1660	1630	2010	2150	1960
22	930	1750	1270	1080	1600	1000	1080	1520	1600	1590	2120	1860
23	1250	1820	1030	1470	1530	1190	1180	1400	1580	1980	2070	1560
24	1180	1870	1200	1530	1430	1270	1120	1450	1610	2080	1900	1600
25	1190	2040	830	1540	1400	1110	1090	1470	1490	2100	2060	1820
26	1230	1990	990	1400	1440	1210	1080	1530	1480	2070	1840	1940
27	1240	2030	1100	1410	1590	1230	1130	1780	1540	2010	1920	2040
28	1180	1870	1030	1030	1520	1200	1300	2020	1780	2010	2090	2000
29	920	1730	1330	1060	....	1250	1440	1640	1790	1880	2040	1580
30	1200	1340	1580	1160	....	1220	1250	1580	1670	1890	1840	1460
31	1280	....	1500	1080	....	970	....	1510	....	2110	1920	....
Mean	1338	1497	1526	1449	1482	1208	1216	1246	1569	1753	2069	1878
Max.	1780	2040	2090	1920	1730	1660	1580	2020	2040	2110	2190	2140
Min.	920	1110	830	820	990	730	990	550	980	1110	1840	1420
A. F.	32290	89060	93840	89120	82290	74260	72360	76620	83380	107800	127240	111370

Water diverted 1099990 A. F.

TRI-COUNTY CANAL, JEFFREY POWER RETURN
To Platte River—1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	357	0	0	0	0	0	0	0	0	72	868	413
2	352	0	0	0	0	0	0	0	0	84	733	431
3	355	0	0	0	0	0	0	0	0	224	591	477
4	355	0	0	0	0	0	0	0	0	301	362	638
5	325	0	0	0	0	0	0	0	41	307	159	733
6	261	0	0	0	0	0	0	0	69	309	43	748
7	190	0	0	0	0	0	0	0	38	312	137	801
8	187	0	0	0	0	0	0	0	0	303	147	789
9	188	0	0	0	0	0	0	0	0	309	153	725
10	188	0	0	0	0	0	0	0	0	303	152	710
11	188	0	0	0	0	0	0	0	0	307	153	549
12	188	0	0	0	0	0	0	0	0	301	338	439
13	188	0	0	0	0	0	0	41	0	314	366	425
14	187	0	0	0	0	0	0	125	0	312	368	318
15	188	0	0	0	0	0	0	125	0	314	154	188
16	147	0	0	0	0	0	0	122	0	312	0	144
17	56	0	0	0	0	0	0	122	0	314	52	143
18	13	0	0	0	0	0	0	122	0	401	100	144
19	38	0	0	0	0	0	0	110	0	480	101	144
20	48	0	0	0	0	0	0	100	0	477	218	147
21	48	0	0	0	0	0	0	99	0	504	129	147
22	46	0	0	0	0	0	0	99	0	600	0	147
23	18	0	0	0	0	0	0	99	44	645	0	147
24	0	0	0	0	0	0	0	99	73	642	12	149
25	0	0	0	0	0	0	0	100	71	594	336	144
26	0	0	0	0	0	0	0	129	72	218	549	143
27	0	0	0	0	0	0	0	63	75	290	663	125
28	0	0	0	0	0	0	0	0	72	519	621	0
29	0	0	0	0	—	0	0	0	75	778	540	0
30	0	0	0	0	—	0	0	0	71	956	543	0
31	0	—	0	0	—	0	0	0	—	980	483	—
Mean	133	0	0	0	0	0	—	50	23	412	293	337
Max.	357	0	0	0	0	0	0	129	75	980	868	801
Min.	0	0	0	0	0	0	0	0	0	72	0	0
A. F.	8210	0	0	0	0	0	0	3080	1390	25350	17390	20050
Water returned	76070 A. F.											

TRI-COUNTY CANAL, JOHNSON POWER RETURN
To Platte River—1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	376	1003	1443	1228	1432	1026	484	1033	451	288	693	1015
2	687	1289	1400	1546	1517	1083	987	905	882	656	814	907
3	645	1054	1080	1347	1491	1507	1252	1134	478	1035	0935	1210
4	647	1166	1303	1174	814	1151	902	1043	1168	374	673	1439
5	640	914	1179	1311	1327	1305	869	1185	1210	838	598	1197
6	634	1136	995	1211	1348	1434	806	334	1325	913	691	1218
7	382	1028	1072	747	1148	1479	832	1253	983	698	757	991
8	454	1372	1177	971	1010	1171	412	712	1344	265	741	833
9	812	1168	1257	1037	928	1032	1011	1067	1745	813	717	513
10	823	1202	1109	944	1120	899	1113	875	1097	671	757	884
11	736	978	1495	874	936	257	1204	1006	1548	688	710	706
12	848	740	1518	1015	1398	637	1082	1041	1398	590	749	589
13	914	1246	1727	828	1357	872	1010	618	1404	757	738	539
14	773	1283	1634	672	1218	1268	868	1098	1346	489	754	481
15	596	1226	1383	1014	1040	1091	447	1049	1598	268	753	655
16	796	1223	1349	1330	1218	1123	754	939	1188	794	822	494
17	714	1201	1019	1341	1676	994	803	813	904	1114	1072	817
18	889	1179	1714	1327	1541	669	531	813	1308	942	1126	1003
19	917	782	1598	1390	1782	1225	681	684	1489	863	1147	781
20	961	1235	1522	1310	1620	1204	916	310	1369	732	1106	709
21	1075	1288	1436	1164	1526	1258	1109	670	1615	640	1167	994
22	936	1188	1578	1263	1022	1245	407	725	1596	770	1187	1044
23	1018	863	1552	1183	873	1077	1124	655	1306	1064	1153	642
24	1166	1172	1436	1264	805	1029	1231	844	561	1031	987	890
25	1133	1143	1276	1116	931	642	1263	774	703	619	886	669
26	1069	618	1612	979	1514	905	1099	661	1134	556	909	870
27	1157	1266	1564	1164	1274	1008	1120	135	1030	532	1335	741
28	1112	1348	1577	821	882	913	966	634	853	370	1274	819
29	893	1460	1240	1235	.....	935	306	1000	746	375	1469	422
30	1165	1524	1179	1297	.....	993	871	159	520	477	1548	327
31	1099	.....	828	1279	.....	1035	.....	787	.....	597	1273	.....
Mean	841	1143	1363	1141	1244	1047	882	801	1140	672	951	813
Max.	1166	1524	1727	1390	1782	1479	1263	1253	1745	1114	1548	1439
Min.	376	618	828	672	814	642	306	135	451	265	598	327
A. F.	51700	68000	83810	70180	69100	64300	52480	49280	67850	41290	58490	48400
Water returned	724980 A. F. A-2354.											

TRI-STATE DIVERSION
From North Platte River
and Pathfinder Reservoir—1945

Day	Oct.	May	June	July	Aug.	Sept.
1	312	0	779	680	951	877
2	233	0	765	644	937	895
3	127	0	725	654	897	903
4	0	0	723	769	875	904
5	0	0	622	861	873	884
6	0	0	538	938	832	882
7	0	0	523	977	411	903
8	0	0	436	1006	328	911
9	0	146	452	1019	741	905
10	0	248	436	1021	756	896
11	0	264	442	1051	773	896
12	0	348	490	1046	759	878
13	0	432	555	1043	779	878
14	0	483	572	1039	858	862
15	0	509	141	1023	828	822
16	0	549	0	1009	825	826
17	0	615	0	1002	841	820
18	0	662	128	1019	901	758
19	0	716	299	1032	951	735
20	0	750	369	1055	950	727
21	0	765	459	1069	927	722
22	0	765	591	1080	956	711
23	0	747	530	1086	951	708
24	0	775	638	1088	944	704
25	0	818	702	1033	947	702
26	0	796	730	1028	945	706
27	0	863	732	967	935	662
28	0	874	721	941	903	536
29	0	863	705	943	896	440
30	0	852	696	969	886	216
31	0	829	—	941	873	—
Mean	22	473	514	969	846	775
Max.	312	874	779	1088	951	911
Min.	0	0	0	644	328	216
A. F.	1330	29100	30750	59570	52030	46150
Water diverted	218930 A. F.					
Including laterals 1, 2, and 3.						

TRI-STATE DIVERSION
For Farmers Irrigation District
Summary in Acre-feet—1945

	Oct.	May	June	July	Aug.	Sept.	Total
*Diverted from North Platte River	1330	27670	24760	50640	46630	39200	190250
†Optional Diversion	—	—	—	—	—	—	6600
Total Diversion	—	—	—	—	—	—	196850
*Including Laterals No. 1, 2, and 3.							
†Estimated							

Acreage Reported	
D-918	61452
A-660	3595
O. D.	1853
Total	66900

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UNION DIVERSION
From Blue Creek—1945

Day	May	June	July	Aug.	Sept.
1	0	0	0	10	7
2	0	0	1	0	7
3	0	0	4	0	9
4	0	0	13	0	12
5	0	0	13	0	16
6	0	0	13	0	15
7	0	0	14	0	14
8	0	0	14	0	15
9	0	0	14	0	13
10	0	0	15	0	12
11	0	0	15	0	12
12	0	0	14	0	12
13	0	0	15	0	11
14	0	0	15	6	10
15	0	0	15	13	6
16	0	0	14	12	0
17	0	0	16	11	1
18	0	0	16	11	1
19	0	0	15	11	1
20	0	0	16	13	1
21	0	0	16	14	2
22	0	0	16	12	1
23	0	0	16	9	3
24	0	0	16	11	2
25	0	0	15	11	2
26	0	0	14	9	0
27	0	0	13	9	0
28	0	0	11	4	0
29	0	0	11	1	0
30	0	0	11	4	0
31	0	—	10	7	—
Mean	0	0	13	6	6
Max.	0	0	16	14	16
Min.	0	0	0	0	0
A. F.	0	0	795	353	367

Water diverted 1515 A. F.

Acreage Reported

D-763 1225

WESTERN DIVERSION
From South Platte River—1945

Day	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	42	78	0	72	96	63	81	134
2	54	76	0	63	90	67	128	122
3	56	78	0	59	90	70	144	118
4	58	78	0	83	83	96	134	101
5	70	78	0	93	74	88	125	96
6	72	78	0	78	49	85	115	88
7	72	78	81	72	58	90	109	81
8	67	81	81	76	67	76	118	74
9	74	81	76	74	112	70	128	65
10	88	78	72	76	98	65	128	65
11	96	88	59	67	96	67	122	61
12	98	90	70	63	134	70	141	61
13	104	81	74	58	112	67	155	61
14	109	78	72	58	81	63	208	61
15	112	93	74	59	74	74	180	59
16	118	101	74	65	63	93	162	59
17	118	90	67	63	65	76	115	59
18	109	85	70	59	65	65	101	61
19	104	70	76	59	63	88	118	65
20	107	67	78	54	58	138	118	72
21	104	67	76	0	47	128	98	81
22	104	65	81	0	42	112	96	81
23	104	70	78	0	44	104	107	76
24	107	76	76	0	56	125	155	93
25	109	56	70	0	12	115	216	85
26	112	0	65	0	0	98	162	104
27	115	0	93	34	17	85	125	59
28	115	0	96	30	65	83	83	63
29	90	0	81	42	65	101	93	67
30	78	0	70	112	63	101	122	70
31	78	—	—	107	—	88	122	—
Mean	92	65	60	51	68	87	129	78
Max.	118	101	96	112	134	138	216	134
Min.	42	0	0	0	0	63	81	59
A. F.	5640	3350	3590	3300	4040	5380	7950	4650

Water diverted
38400 A. F.
Acreage Reported
A-393 11800
A-1804 764
Total 12564

WHITNEY RESERVOIR—WHITNEY IRRIGATION DISTRICT
Diverted from White River, Storage in Acre-feet—1945

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—	—	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—	—	—
3	—	5710	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	6070
5	—	—	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—	7150	—
7	—	—	—	—	—	—	—	—	—	—	7090	—
8	—	—	—	—	—	—	—	—	—	8580	—	—
9	—	—	—	—	—	—	—	—	—	8450	—	—
10	—	—	—	—	—	—	—	—	—	—	—	5730
11	5620	—	—	—	—	—	—	8830	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—	6670	—
15	—	—	—	—	—	—	—	—	—	—	—	—
16	—	5840	—	—	—	8170	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	7900	—	—	—	—	8930	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	5730
20	—	—	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	8580	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	7900	—	—
26	—	—	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	8780	—	—	—	6220	—
28	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	8110	—	—	—	—	—	—	—	5880
30	—	—	—	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	8700	—	—	—	—

WINTERS CREEK DIVERSION
From North Platte River—1945

Day	May	June	July	Aug.	Sept.
1	0	13	32	23	19
2	0	9	28	24	20
3	0	9	32	20	23
4	0	9	24	20	20
5	0	11	19	17	17
6	0	9	13	18	19
7	0	0	19	20	20
8	0	0	19	18	19
9	18	0	23	21	18
10	18	12	25	28	17
11	0	0	23	28	20
12	0	0	21	24	21
13	0	0	12	11	17
14	0	0	5	9	19
15	0	0	8	13	17
16	0	0	11	15	15
17	0	0	23	15	15
18	0	6	23	15	17
19	0	5	26	20	18
20	0	3	16	23	16
21	0	3	0	16	15
22	0	2	19	16	16
23	10	6	0	19	16
24	10	18	3	19	17
25	22	12	2	20	17
26	22	9	3	21	17
27	22	3	3	22	18
28	15	4	3	22	19
29	12	3	3	21	16
30	13	11	10	20	17
31	14	—	19	19	—
Mean	6	5	15	19	18
Max.	22	18	32	23	23
Min.	0	0	0	9	15
A. F.	350	310	950	1180	1060
Water diverted 3850 A. F.	Acreage Reported D-952		2746		

WINTERS CREEK DIVERSION
From Winters Creek—1945

Day	May	June	July	Aug.	Sept.
1	0	25	24	46	46
2	0	20	18	47	44
3	0	21	38	50	46
4	0	19	44	47	47
5	0	26	43	42	49
6	0	6	38	46	49
7	0	2	29	52	39
8	0	2	40	46	40
9	0	1	44	53	42
10	0	0	45	62	44
11	0	0	42	51	47
12	0	0	49	49	46
13	0	0	44	52	44
14	0	0	40	56	38
15	0	0	42	59	35
16	0	0	43	59	38
17	27	0	48	55	32
18	25	0	45	58	33
19	24	0	46	57	36
20	26	0	51	53	33
21	45	4	48	50	40
22	38	21	42	48	45
23	39	34	46	46	40
24	36	20	44	48	45
25	42	14	39	51	39
26	41	22	43	44	44
27	44	25	44	43	36
28	31	28	44	54	30
29	45	30	42	48	32
30	27	20	47	46	36
31	20	—	51	44	—
Mean	16	11	42	50	40
Max.	45	34	51	62	49
Min.	0	0	18	43	30
A. F.	1010	670	2580	3100	2400
Water diverted 9760 A. F.	Acreage Reported A-1446		2968		
O. D. D-952					

WINTERS CREEK LATERAL					
From Winters Creek—1945					
Day	May	June	July	Aug.	Sept.
1	0	9	13	12	11
2	0	9	8	12	12
3	0	8	11	12	16
4	0	8	10	13	9
5	0	8	9	20	8
6	0	0	7	9	12
7	0	0	8	20	12
8	0	0	6	9	12
9	0	0	0	13	11
10	0	0	0	10	12
11	0	0	10	9	12
12	0	0	13	8	12
13	0	0	11	12	6
14	0	0	11	13	12
15	0	0	9	14	0
16	0	0	13	14	0
17	9	0	12	14	0
18	7	0	11	14	7
19	0	0	12	10	5
20	0	0	10	14	12
21	9	0	8	14	19
22	11	8	8	12	16
23	8	9	8	14	10
24	9	6	8	9	12
25	9	6	7	14	14
26	10	0	9	12	16
27	10	0	10	10	14
28	12	0	10	10	12
29	9	0	10	14	11
30	9	13	10	13	0
31	9	—	10	11	—
Mean	4	3	9	12	10
Max.	12	13	13	20	19
Min.	0	0	0	8	0
A. F.	240	170	560	760	600

Water diverted 2330 A. F.

ALLIANCE DIVERSION
From Bayard Sugar Factory
Drain—1946

Day	May	June	July	Aug.	Sept.
1	7	19	15	17	10
2	12	17	14	13	11
3	9	16	17	9	11
4	7	18	17	13	11
5	6	24	20	13	10
6	6	25	19	16	10
7	6	25	19	15	10
8	8	25	21	13	10
9	9	25	22	12	11
10	10	25	22	11	9
11	10	25	21	7	7
12	10	23	21	8	8
13	10	19	23	7	9
14	10	19	22	7	9
15	10	19	17	7	8
16	11	19	23	6	8
17	10	19	22	6	9
18	10	18	23	6	10
19	11	19	22	5	5
20	11	13	22	6	11
21	11	16	23	6	10
22	13	15	22	5	9
23	20	18	22	5	7
24	24	6	20	6	5
25	25	0	19	10	4
26	26	0	19	8	4
27	25	0	17	9	3
28	26	8	17	10	3
29	30	25	17	10	4
30	30	25	16	10	2
31	17	—	17	10	—
Mean	14	17	20	9	8
Max.	30	25	23	17	11
Min.	6	0	14	5	2
A. F.	850	1040	1210	570	470

Water diverted 4140 A. F. Acreage Reported D-874 2106

ALLIANCE DIVERSION
From Red Willow Creek—1946

Day	May	June	July	Aug.	Sept.
1	0	0	31	58	18
2	0	0	22	57	38
3	0	0	25	61	34
4	0	28	22	65	33
5	0	51	19	68	33
6	0	56	4	66	36
7	0	66	0	62	34
8	0	55	0	77	34
9	0	46	0	71	39
10	0	54	0	72	36
11	0	42	0	71	41
12	0	41	10	62	27
13	0	34	12	55	21
14	0	36	10	56	23
15	0	38	8	54	28
16	0	27	36	58	43
17	0	25	39	58	53
18	0	33	36	54	5
19	0	49	37	50	21
20	0	50	35	46	27
21	0	44	34	50	39
22	0	45	45	60	39
23	0	50	47	46	26
24	0	48	48	48	23
25	0	62	44	52	47
26	0	51	56	43	41
27	0	51	73	48	29
28	0	25	59	41	24
29	0	19	50	29	41
30	0	32	58	30	32
31	0	—	58	30	—
Mean	0	38	30	55	33
Max.	0	62	73	77	53
Min.	0	0	0	29	5
A. F.	0	2300	1820	3370	1900

Water diverted 9330 A. F. Acreage Reported D-874 4022

ATKINS-POLLY DIVERSION
From Lodgepole Creek—1946

Day	May	June	July	Aug.	Sept.
1	2	0	0	0	0
2	2	0	0	0	0
3	2	0	2	0	0
4	2	0	2	0	0
5	2	0	2	0	0
6	2	0	0	0	2
7	2	0	0	0	2
8	2	0	3	0	2
9	2	0	3	0	2
10	0	0	2	0	2
11	0	0	2	0	2
12	1	0	2	0	2
13	1	0	2	0	0
14	1	0	2	0	0
15	1	0	2	0	0
16	1	0	2	0	0
17	1	0	2	0	0
18	1	0	6	0	0
19	1	0	3	0	0
20	1	0	2	0	0
21	1	0	2	0	0
22	1	0	2	0	0
23	0	0	0	0	0
24	0	0	0	2	0
25	0	0	0	2	0
26	0	0	0	2	0
27	0	0	0	2	0
28	0	0	0	2	0
29	0	0	0	2	0
30	0	0	0	0	0
31	0	—	0	0	—
Mean	1	0	1	0.4	0.5
Max.	2	0	6	2	2
Min.	0	0	0	0	0
A. F.	57	0	75	24	28

Water diverted 194 A. F.
Acreage Reported
D-342 55
D-344 30
A-724 *
A-897R 8
Total 93
*No report.

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BEERLINE DIVERSION					
From North Platte River—1946					
Day	May	June	July	Aug.	Sept.
1	0	3	20	10	12
2	0	2	19	12	9
3	0	4	19	6	0
4	0	2	19	4	0
5	0	1	23	9	0
6	0	0	25	19	0
7	0	0	11	3	0
8	0	2	0	0	0
9	0	2	0	0	1
10	0	0	0	0	14
11	0	0	0	0	16
12	0	0	4	10	16
13	0	2	11	8	17
14	0	1	12	9	19
15	0	1	14	7	20
16	0	4	14	10	20
17	0	2	14	13	20
18	0	6	15	8	15
19	0	13	15	6	13
20	0	19	11	8	11
21	0	19	1	8	11
22	0	14	4	9	11
23	0	0	8	10	11
24	0	0	5	10	11
25	0	0	6	10	6
26	0	0	6	11	2
27	0	0	7	11	2
28	0	0	7	12	2
29	2	10	8	13	2
30	3	18	6	13	3
31	4	—	4	13	—
Mean	3	4	10	8	9
Max.	4	19	25	13	20
Min.	0	0	0	0	0
A. F.	18	250	610	520	525
Water diverted 1923 A. F.			Acreage Reported D-887 2080		

BELMONT FEEDER					
From Cedar Creek—1946					
Day	May	June	July	Aug.	Sept.
1	0	0	8	8	12
2	0	0	8	9	12
3	0	0	8	9	12
4	0	0	9	9	12
5	0	0	10	9	12
6	0	0	10	8	12
7	0	0	10	8	12
8	0	0	10	8	12
9	0	0	6	9	12
10	0	0	2	9	12
11	0	0	6	9	11
12	0	0	8	8	11
13	0	3	9	8	10
14	0	8	9	8	11
15	0	8	8	8	11
16	0	8	8	8	11
17	0	8	8	8	11
18	0	8	8	8	11
19	0	8	9	8	10
20	0	8	9	9	11
21	0	8	9	10	11
22	0	8	9	11	11
23	0	8	9	12	4
24	0	8	9	12	0
25	0	8	9	12	0
26	0	8	9	12	0
27	0	8	8	11	0
28	0	8	8	11	0
29	0	8	8	11	0
30	0	8	8	12	0
31	0	—	8	12	—
Mean	0	5	8	9	8
Max.	0	8	10	12	12
Min.	0	0	2	8	0
A. F.	0	276	510	583	504
Water diverted 1873 A. F.	Acreage Reported D-646 5716				

BELMONT DIVERSION					
From North Platte River—1946					
Day	May	June	July	Aug.	Sept.
1	0	52	84	136	66
2	0	23	98	138	82
3	0	45	82	132	82
4	0	39	99	136	84
5	0	32	88	136	81
6	0	33	87	134	88
7	0	42	93	132	93
8	0	48	90	134	88
9	0	60	93	134	92
10	0	66	68	134	93
11	23	44	93	140	87
12	48	78	92	138	82
13	51	60	94	122	74
14	48	66	102	82	74
15	48	81	105	114	75
16	50	90	104	126	70
17	48	117	108	126	21
18	52	126	111	128	0
19	56	86	111	135	31
20	58	87	124	130	68
21	57	94	124	130	60
22	60	102	123	129	52
23	63	102	128	128	62
24	64	102	129	126	66
25	64	102	134	102	66
26	63	81	123	110	66
27	57	108	126	114	66
28	58	102	104	96	62
29	58	99	142	93	52
30	57	92	132	84	52
31	62	—	135	81	—
Mean	37	8	107	121	68
Max.	64	126	142	138	93
Min.	0	23	68	81	0
A. F.	2270	4480	6600	7490	4040
Water diverted 24880 A. F.			Acreage Reported D-828 14225		

BIRDWOOD DIVERSION					
From Birdwood Creek—1946					
Day	May	June	July	Aug.	Sept.
1	0	4	34	51	30
2	0	3	30	52	29
3	0	3	30	32	29
4	0	4	34	29	28
5	0	4	25	2	28
6	0	3	24	0	29
7	0	4	22	3	31
8	0	3	21	24	34
9	0	3	23	24	24
10	0	4	23	25	10
11	0	11	21	17	10
12	0	13	22	26	14
13	0	14	22	25	13
14	0	23	22	32	13
15	0	28	27	38	14
16	0	29	29	39	15
17	0	30	30	35	19
18	0	23	30	37	24
19	0	3	29	38	18
20	0	3	30	40	18
21	33	11	21	37	17
22	24	14	25	31	16
23	15	18	30	30	8
24	0	32	15	30	3
25	0	33	4	33	5
26	0	32	2	31	11
27	4	29	4	31	14
28	4	34	38	31	14
29	7	25	29	30	16
30	8	23	42	30	15
31	4	—	50	30	—
Mean	3	15	25	29	18
Max.	33	33	50	52	34
Min.	0	3	2	0	3
A. F.	200	910	1560	1810	1090
Water diverted 5570 A. F.			Acreage Reported D-646 5716		

BLUE CREEK DIVERSION

From Blue Creek and Crescent Lake—1946

Day	Oct.	May	June	July	Aug.	Sept.
1	6	0	10	36	31	36
2	7	0	8	36	30	33
3	7	0	8	36	28	32
4	19	0	7	38	22	34
5	19	0	5	28	31	35
6	20	0	3	35	32	36
7	19	0	4	22	31	37
8	19	0	5	13	31	43
9	22	12	4	0	32	22
10	29	11	19	0	30	35
11	29	12	34	0	31	36
12	29	7	36	2	36	37
13	29	11	36	16	24	32
14	30	13	36	15	0	31
15	30	14	35	25	12	30
16	30	15	36	37	34	35
17	29	13	38	37	33	33
18	28	14	43	37	32	14
19	30	16	44	38	33	0
20	25	16	36	36	33	8
21	19	16	39	36	34	7
22	15	17	38	36	35	9
23	17	14	33	36	36	14
24	17	20	25	34	34	10
25	16	14	32	36	36	10
26	11	7	34	37	34	10
27	0	13	37	37	32	10
28	0	16	36	41	34	10
29	0	9	40	35	36	10
30	0	0	40	35	35	11
31	0	6	—	33	34	—
Mean	18	9	26	27	30	23
Max.	30	20	44	41	36	43
Min.	0	0	3	0	0	0
A. F.	1090	570	1590	1750	1880	1390

Water diverted 8270 A. F.
 Acreage Reported
 D-785 2549
 D-795 338
 A-1154 30

Total 2917

BOX BUTTE RESERVOIR—MIRAGE FLATS PROJECT
 Niobrara River, Storage in Acre-Feet—1946

Day	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	—	—	—	—	—	—	—	—	—	—
2	—	—	—	—	—	—	—	—	—	—
3	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—
5	—	—	—	—	—	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—
10	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—	—
13	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	—	—	—	—
15	—	5675	7265	9186	11060	12060	11950	11840	7475	9000
16	—	—	—	—	—	—	—	—	—	—
17	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	—	—	—	—
28	—	—	8305	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	11550	—	12000	—	—	9900
31	4800	6590	—	10450	—	12120	—	10000	6050	—

REPORT OF THE STATE ENGINEER

BROWNS CREEK DIVERSION					
From North Platte River—1946					
Day	May	June	July	Aug.	Sept.
1	0	16	52	28	45
2	0	28	50	26	44
3	0	29	49	26	44
4	0	39	41	36	42
5	0	38	43	39	40
6	0	44	61	51	37
7	0	45	37	55	30
8	0	17	34	51	20
9	0	18	29	54	22
10	0	30	8	54	27
11	0	28	2	56	28
12	0	35	14	55	61
13	0	33	22	47	30
14	0	33	32	48	37
15	0	8	33	40	33
16	0	6	27	38	29
17	0	3	36	41	39
18	0	3	31	46	56
19	0	9	35	47	45
20	0	23	36	61	60
21	0	41	46	64	24
22	0	55	42	64	28
23	6	52	44	64	30
24	22	40	34	62	26
25	24	33	22	68	26
26	21	32	8	61	24
27	21	25	14	56	20
28	10	31	17	52	19
29	0	33	20	45	18
30	0	48	18	45	18
31	0	—	19	48	—
Mean	3	29	31	49	31
Max.	24	55	61	68	56
Min.	0	3	2	26	18
A. F.	205	1730	1900	3030	1870
Water diverted—	ed 8735 A. F.		Acreage Reported D-857, D-1033 6120		

CASTLE ROCK DIVERSION					
From North Platte River—1946					
Day	Apr.	May	June	July	Aug. Sept.
1	0	42	25	88	86 79
2	0	19	24	82	86 74
3	0	47	24	80	88 70
4	0	66	22	91	93 72
5	0	46	20	98	91 72
6	0	44	35	92	92 73
7	0	40	59	92	94 76
8	0	42	48	99	89 78
9	0	46	41	99	88 74
10	0	40	50	109	83 76
11	0	38	54	126	82 75
12	0	34	71	116	82 56
13	0	24	78	76	80 43
14	0	31	82	82	80 39
15	0	30	82	97	80 33
16	0	34	80	91	80 50
17	0	48	87	90	80 70
18	0	52	95	87	80 33
19	0	46	88	76	79 17
20	0	40	85	77	83 40
21	0	48	83	84	86 38
22	0	56	84	84	86 33
23	0	53	84	79	77 30
24	0	36	83	79	82 35
25	0	39	74	99	81 38
26	6	37	72	89	80 42
27	13	33	84	91	80 46
28	13	38	85	88	82 46
29	32	37	82	89	80 46
30	27	42	88	86	80 44
31	—	36	—	86	74 —
Mean	3	41	66	91	84 54
Max.	32	66	95	126	94 79
Min.	0	19	20	76	77 17
A. F.	180	2520	3910	5560	5130 3170
Water diverted—	ed 20470 A. F.		Acreage Reported D-921 A-186R 5997 111		

Total 6108

CENTRAL DIVERSION					
From North Platte River—1946					
Day	Apr.	May	June	July	Aug. Sept.
1	0	26	0	25	25 22
2	0	25	0	20	27 23
3	0	26	0	27	28 24
4	0	20	0	24	26 27
5	0	19	0	25	25 26
6	0	23	0	24	24 26
7	0	21	0	26	26 26
8	0	22	0	26	26 26
9	0	21	0	24	25 28
10	0	0	10	25	26 27
11	0	0	20	26	26 27
12	0	0	22	27	25 27
13	0	0	21	30	25 26
14	0	17	22	28	27 25
15	0	18	24	25	28 23
16	0	0	23	25	28 24
17	14	14	25	23	27 24
18	24	22	25	24	27 0
19	24	20	26	22	28 14
20	24	20	26	20	28 29
21	25	19	25	23	27 30
22	24	19	24	23	27 28
23	22	19	23	22	27 25
24	22	20	23	23	27 24
25	20	0	25	23	26 24
26	11	0	24	22	25 24
27	8	0	26	22	26 26
28	6	0	24	22	23 27
29	0	0	26	22	24 18
30	14	0	24	20	24 0
31	—	0	—	22	21 —
Mean	8	13	17	24	26 23
Max.	25	26	26	30	28 30
Min.	0	0	0	20	21 0
A. F.	470	780	970	1470	1590 1390
Water diverted—	ed 6670 A. F.		Acreage Reported D-926 2302		

CHIMNEY ROCK DIVERSION					
From North Platte River—1946					
Day	May	June	July	Aug.	Sept.
1	70	24	52	58	49
2	50	25	47	59	48
3	56	25	55	60	50
4	38	27	64	61	44
5	33	29	53	63	51
6	34	32	56	58	44
7	35	32	50	60	35
8	35	31	49	61	36
9	37	33	45	59	35
10	37	39	39	56	39
11	39	50	49	58	40
12	26	58	36	59	41
13	22	59	30	58	36
14	21	58	26	57	39
15	24	55	24	58	39
16	19	56	24	56	39
17	22	57	27	58	37
18	24	58	34	57	24
19	23	55	36	57	10
20	21	56	54	57	10
21	18	53	62	56	9
22	21	53	68	56	9
23	25	55	73	57	10
24	25	56	73	53	9
25	18	52	63	54	17
26	21	52	71	56	26
27	21	52	58	49	28
28	22	50	55	45	20
29	24	48	58	45	12
30	24	51	60	47	12
31	25	—	61	49	—
Mean	29	46	50	56	30
Max.	70	59	73	63	51
Min.	18	24	24	45	9
A. F.	1800	2740	3080	3450	1780
Water diverted—	ed 12850 A. F.		Acreage Reported D-844, D-1031 5641		

CODY-DILLON DIVERSION
From North Platte River—1946

Day	May	June	July	Aug.	Sept.
1	0	1	7	26	17
2	0	1	10	28	17
3	0	1	10	28	15
4	0	1	8	32	14
5	0	1	6	30	13
6	0	1	19	27	7
7	0	1	23	28	9
8	0	1	20	27	21
9	0	1	19	26	6
10	0	23	19	25	3
11	0	23	23	26	1
12	0	26	27	26	1
13	0	28	28	24	1
14	0	29	31	20	1
15	0	28	33	14	1
16	0	28	32	19	1
17	0	27	32	20	0
18	0	17	32	21	0
19	0	8	33	24	0
20	0	8	31	25	0
21	0	7	31	25	0
22	9	5	34	25	2
23	20	4	30	26	1
24	11	7	30	27	1
25	2	11	31	26	0
26	2	9	32	26	0
27	3	9	30	27	1
28	1	10	30	25	3
29	2	11	28	23	2
30	1	10	25	20	2
31	1	—	25	18	—
Mean	2	11	25	25	5
Max.	20	29	34	32	21
Min.	0	1	6	14	0
A. F.	103	668	1520	1520	278

Water diverted 4089 A. F.
Acreage Reported
D-649 5053

COLUMBUS POWER DIVERSION NEAR GENOA

Diverted from Loup River—Sec. 6-16-4 W.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2140	1880	2080	1720	1260	2170	2070	1320	2290	1220	633	1270
2	1830	1810	1440	1930	1200	2190	1940	1590	2070	1180	556	1220
3	1820	1940	146	1920	1190	2140	2130	2060	1870	1150	556	1210
4	1760	2010	82	1980	1280	2150	1980	2230	1700	1210	493	1240
5	1750	1940	638	1900	1420	2250	1920	1910	1620	1230	549	1280
6	1780	1850	1690	1910	1400	2270	1810	1700	1490	1270	664	1280
7	1710	1880	1530	1880	1490	2190	1740	1600	1410	1570	824	1460
8	1690	2050	2040	1820	1460	2080	1840	1610	1330	2170	752	1820
9	1750	2100	142	1880	1370	2280	1960	1650	1290	2480	672	2230
10	1730	2020	451	1900	1470	2180	2100	1750	1260	1700	752	2400
11	1670	1880	430	1930	1510	2020	2230	2350	1140	1330	712	2100
12	1620	1880	316	1740	1430	1980	2260	2340	1110	1180	832	2100
13	1590	1910	400	1730	1400	2020	1950	1870	1140	1080	1280	2130
14	1620	1980	437	1750	1420	2080	1810	1640	998	987	936	2700
15	1730	1970	486	1570	1370	2140	1950	1580	1080	952	832	2670
16	1720	1860	680	1530	1330	2440	1910	1510	1010	1450	808	1830
17	1710	1800	848	1620	1010	2750	1800	1570	889	2160	824	1560
18	1740	1870	944	1840	1340	2620	1580	1500	675	1930	784	1480
19	1710	1940	872	1850	1550	2620	1600	1640	2110	1270	696	2120
20	1800	1860	816	1780	1780	2570	1470	1570	3000	1140	656	1990
21	1790	1230	896	1680	1780	2440	1500	1480	2770	1000	640	2380
22	1800	126	1010	1670	1650	2340	1430	1470	2070	904	619	2120
23	1760	52	1110	1740	2070	2430	1490	1280	1780	840	640	2220
24	1810	392	1270	1570	2190	2370	1550	1410	1530	808	784	2030
25	1790	654	1370	1670	2080	2310	1550	2410	1440	800	896	1680
26	1710	1480	1430	1520	2000	2520	1410	2280	1390	776	880	1580
27	1740	2120	1420	1540	1940	2710	1340	2010	1730	816	920	1510
28	1670	2280	1450	1540	1840	2520	1230	1730	2600	744	944	1540
29	1710	2230	1580	1560	—	2120	1270	1540	1640	974	960	1740
30	1710	2060	1790	1480	—	2000	1290	519	1310	808	1180	1960
31	1790	—	1750	1290	—	2160	—	1720	—	720	1270	—
Mean	1747	1702	1018	1724	1544	2292	1737	1704	1591	1221	792	1828
Max.	2140	2280	2080	1980	2190	2750	2260	2410	3000	2480	1280	2700
Min.	1590	52	82	1290	1010	1980	1230	519	675	720	493	1210
A. F.	107400	101300	62570	106000	85750	140900	103400	104800	94690	75070	48680	108800
Water diverted	1139000 A. F.											

REPORT OF THE STATE ENGINEER

COURT HOUSE ROCK DIVERSION

From Pumpkinseed Creek—1946						
Day	Apr.	May	June	July	Aug.	Sept.
1	0	18	15	18	14	9
2	0	18	15	19	13	1
3	0	19	14	18	13	0
4	0	19	14	18	12	0
5	0	19	14	19	13	0
6	0	18	14	20	13	0
7	0	18	14	19	13	0
8	0	18	15	19	12	0
9	0	18	15	20	12	0
10	0	17	15	18	12	0
11	0	17	17	18	12	10
12	0	17	20	17	12	18
13	0	17	20	16	13	17
14	0	17	20	16	13	17
15	0	17	20	15	12	17
16	0	17	21	16	12	17
17	0	17	21	14	12	18
18	0	17	20	14	12	19
19	0	18	19	14	12	20
20	0	18	19	13	12	18
21	0	18	19	13	12	17
22	11	17	19	13	13	17
23	19	17	12	13	13	17
24	19	18	0	14	12	17
25	18	18	0	14	12	17
26	18	17	0	14	12	17
27	18	16	0	7	12	17
28	18	16	7	0	11	17
29	18	16	17	4	9	17
30	18	16	17	15	9	17
31	—	15	—	14	9	—
Mean	5	17	14	15	12	12
Max.	19	19	21	20	14	20
Min.	0	15	0	0	9	0
A. F.	310	1070	860	920	740	700

Water diverted 4600 A. F.
Acreage Reported
D-840, D-1028 1485

COZAD DIVERSION

From Platte River—1946						
Day	Apr.	May	June	July	Aug.	Sept.
1	0	105	23	42	131	22
2	0	123	23	40	173	22
3	0	100	22	43	130	21
4	0	81	20	47	138	20
5	0	76	19	30	131	19
6	0	67	16	61	178	16
7	0	52	14	44	170	20
8	0	47	19	44	161	22
9	0	22	21	51	146	22
10	0	22	26	63	153	15
11	0	23	33	95	161	14
12	0	25	38	115	94	0
13	0	28	45	117	0	0
14	0	30	47	117	0	0
15	0	32	52	122	0	0
16	0	44	53	153	0	0
17	0	53	58	143	0	0
18	0	50	64	138	0	0
19	0	45	77	212	0	0
20	0	45	77	238	0	0
21	0	46	66	241	0	0
22	0	51	63	196	0	0
23	0	57	75	192	0	0
24	0	55	74	258	5	0
25	10	54	67	218	104	0
26	36	46	68	177	72	0
27	88	44	57	216	79	0
28	30	48	46	215	75	0
29	43	53	46	230	86	0
30	76	52	43	248	52	0
31	—	45	—	233	22	—
Mean	9	52	45	142	79	7
Max.	88	123	77	258	188	22
Min.	0	22	14	40	0	0
A. F.	560	3220	2690	8700	4880	420

Water diverted 20470 A. F.
Acreage Reported
D-626 25190

CULBERTSON DIVERSION
From Frenchman River—1946

Day	Oct.	Nov.	Apr.	May	June	July	Aug.	Sept.
1	0	54	0	80	48	57	77	74
2	27	54	0	40	47	57	77	75
3	64	51	0	13	49	50	76	75
4	54	53	0	35	49	42	79	73
5	54	54	0	69	50	51	64	70
6	54	59	0	76	50	52	72	69
7	54	65	0	76	50	52	71	68
8	55	38	0	76	54	16	74	68
9	55	0	0	76	60	40	77	65
10	55	0	0	72	64	49	71	65
11	53	0	0	63	68	47	64	66
12	53	0	0	63	71	47	66	67
13	54	0	0	63	73	47	85	68
14	66	0	0	62	80	47	36	66
15	54	0	0	60	79	42	35	66
16	55	0	0	61	79	47	80	66
17	53	0	0	59	76	49	82	63
18	54	0	0	62	50	47	78	64
19	54	0	0	60	50	48	78	66
20	54	0	0	60	57	48	79	66
21	55	0	0	60	48	49	78	67
22	56	0	0	60	45	48	86	65
23	55	0	0	61	56	53	91	65
24	52	0	23	56	56	60	92	64
25	55	0	67	47	56	64	87	65
26	55	0	74	49	56	66	93	67
27	55	0	74	48	56	69	90	67
28	55	0	75	48	55	69	85	68
29	55	0	78	47	56	72	82	68
30	55	0	84	49	56	74	80	68
31	55	---	---	47	---	77	76	---
Mean	52	14	16	58	58	53	79	67
Max.	64	65	84	80	80	77	93	75
Min.	0	0	0	13	45	16	64	63
A. F.	3220	850	940	3570	3460	3240	4880	4020

Water diverted 24180 A.F.
Acreage Reported
D-24, 25,
29, 30 9283

DAWSON COUNTY DIVERSION
From Platte River—1946

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	41	0	89	140	191	435	221
2	63	0	87	136	190	480	223
3	69	0	108	133	202	509	221
4	51	0	138	151	198	513	219
5	50	0	133	168	193	494	219
6	48	0	142	171	157	490	212
7	50	0	118	151	228	490	215
8	50	0	134	154	234	498	205
9	50	0	142	188	234	467	152
10	52	0	111	191	267	459	116
11	53	0	94	195	239	451	133
12	56	0	97	215	253	391	130
13	57	0	28	223	313	393	134
14	53	0	28	232	383	496	110
15	62	0	46	253	385	490	93
16	56	0	98	245	341	423	85
17	26	0	142	243	327	241	103
18	0	0	166	261	241	257	126
19	0	0	157	200	239	219	145
20	0	0	157	200	230	263	145
21	0	0	151	165	217	309	130
22	0	0	144	163	196	417	118
23	0	0	183	195	212	441	108
24	0	0	163	196	249	373	126
25	0	23	128	148	357	337	118
26	0	39	162	166	365	357	116
27	0	43	151	156	373	415	105
28	0	65	157	186	395	393	107
29	0	77	148	196	367	373	107
30	0	115	154	195	365	323	107
31	0	---	166	---	349	228	---
Mean	29	12	126	187	273	401	145
Max.	69	115	183	261	395	513	223
Min.	0	0	28	133	157	219	85
A. F.	1770	720	7780	11140	16840	24640	8630

Water diverted 71520 A.F.
Acreage Reported
D-621 500
D-622 66545
D-624 3040
A-2039 5113
A-2093 213
A-2110 18286
A-2145 894
A-2262 890
Total 95481

ELM CREEK DIVERSION
From Platte River—1946

Day	Apr.	May.	June	July	Aug.	Sept.
1	0	42	11	24	86	24
2	0	32	10	31	84	20
3	0	29	9	34	56	26
4	0	22	9	27	34	23
5	0	10	9	24	58	23
6	0	12	11	25	69	22
7	0	21	14	25	61	53
8	0	18	12	20	89	14
9	0	20	11	24	71	8
10	0	22	11	21	48	0
11	0	27	21	18	68	0
12	0	22	18	28	65	0
13	0	23	18	32	92	0
14	0	30	16	31	80	0
15	0	30	15	30	69	0
16	0	32	16	42	57	0
17	11	32	18	46	53	0
18	17	31	29	38	46	0
19	15	30	39	34	46	0
20	12	28	35	30	36	0
21	15	30	28	34	50	0
22	12	30	18	38	65	0
23	13	35	14	45	45	0
24	12	25	15	39	40	0
25	12	16	20	47	27	0
26	14	12	18	58	18	0
27	15	7	14	75	19	0
28	13	12	16	57	16	0
29	20	12	14	42	22	0
30	40	13	18	36	14	0
31	—	12	—	34	16	—
Mean	7	23	17	38	52	7
Max.	40	42	35	75	92	53
Min.	0	7	9	18	14	0
A. F.	440	1420	1010	2160	3170	420
Water divert- ed	8620	A. F.		Acreeage Reported		15413

ENTERPRISE DIVERSION
From North Platte River—1946

Day	May	June	July	Aug.	Sept.	
1	33	32	67	41	30	
2	37	32	69	41	29	
3	36	48	71	42	28	
4	35	55	69	43	30	
5	36	56	70	43	30	
6	48	48	68	41	28	
7	49	39	70	36	26	
8	55	49	65	36	26	
9	52	56	59	36	24	
10	51	57	55	30	22	
11	60	58	58	28	22	
12	58	67	66	39	23	
13	47	66	67	40	25	
14	47	66	65	41	24	
15	52	66	58	40	26	
16	58	66	32	32	29	
17	57	67	53	30	29	
18	56	58	50	29	29	
19	52	47	43	29	20	
20	52	46	41	29	15	
21	50	43	33	28	12	
22	52	42	32	27	12	
23	50	42	34	26	12	
24	50	42	26	29	12	
25	31	49	31	30	14	
26	34	49	38	30	16	
27	43	67	41	31	16	
28	44	70	42	31	16	
29	40	68	40	39	16	
30	34	67	38	38	13	
31	34	—	40	38	—	
Mean	46	53	51	35	22	
Max.	60	70	70	43	30	
Min.	31	32	26	26	12	
A. F.	2840	3210	3160	2130	1320	
Water divert- ed	12660	A. F.		Acreeage Reported		6728

ENTERPRISE FEEDER

From Stewart and Morrill Drains—1946

Day	May	June	July	Aug.	Sept.
1	1	1	3	3	5
2	1	1	3	3	5
3	1	1	3	3	6
4	1	1	3	3	6
5	1	1	3	3	8
6	1	1	3	3	8
7	1	1	3	3	8
8	1	1	3	4	8
9	1	1	4	4	8
10	1	1	4	4	7
11	1	1	4	4	6
12	1	1	4	4	6
13	1	1	4	4	6
14	1	2	4	4	5
15	1	2	4	4	5
16	1	2	4	4	5
17	1	2	4	4	5
18	1	3	4	5	4
19	1	3	3	5	4
20	1	4	3	5	4
21	1	4	3	5	4
22	1	4	3	5	4
23	1	4	3	5	4
24	1	4	3	5	3
25	1	4	3	5	3
26	1	4	3	5	3
27	1	3	3	5	3
28	1	3	3	5	3
29	1	3	3	5	3
30	1	3	3	5	3
31	—	—	3	5	—
Mean	1	2	3	5	5
Max.	1	4	4	5	8
Min.	1	1	3	3	3
A. F.	61	133	210	260	301
Water diverted	965	A. F.			

ENTERPRISE FEEDER

From Wet Spotted Tail Creek—1946

Day	May	June	July	Aug.	Sept.
1	6	9	8	10	12
2	6	9	8	10	12
3	6	9	8	11	12
4	6	9	7	12	13
5	6	9	7	14	15
6	6	9	7	14	15
7	6	9	7	13	15
8	6	9	7	12	14
9	6	9	7	12	12
10	6	9	7	12	12
11	7	9	8	12	12
12	7	9	8	12	12
13	7	9	8	12	12
14	7	9	8	12	12
15	7	9	8	12	12
16	8	10	8	12	12
17	8	10	8	12	12
18	8	10	8	12	12
19	8	10	8	12	12
20	8	10	9	12	12
21	8	10	9	12	12
22	8	10	9	12	12
23	8	10	9	12	13
24	8	10	9	12	14
25	8	10	9	12	15
26	9	10	9	12	17
27	9	9	9	12	14
28	9	9	9	12	14
29	9	9	9	12	14
30	9	9	9	12	14
31	9	—	9	12	—
Mean	7	9	9	12	13
Max.	9	10	9	14	17
Min.	6	9	7	10	12
A. F.	450	560	540	740	780
Water diverted	3070	A. F.			

ENTERPRISE FEEDER
From Tub Springs—1946

Day	May	June	July	Aug.	Sept.
1	0	0	39	36	26
2	20	0	15	37	29
3	0	0	5	37	29
4	35	0	3	37	30
5	33	0	1	34	28
6	33	0	6	35	31
7	28	0	8	35	26
8	28	22	8	34	21
9	9	35	15	35	14
10	5	36	21	35	28
11	11	36	26	35	27
12	0	36	26	34	19
13	2	17	33	35	15
14	12	19	32	35	15
15	14	10	31	35	15
16	5	4	31	36	0
17	10	1	31	36	0
18	10	0	24	36	15
19	4	0	22	37	1
20	5	0	21	36	0
21	16	4	26	35	0
22	21	9	30	35	0
23	21	10	29	34	0
24	0	19	34	35	0
25	0	21	37	36	0
26	0	27	37	35	0
27	0	42	37	35	0
28	0	34	37	33	0
29	0	33	37	32	0
30	0	37	36	28	0
31	0	---	37	28	---
Mean	10	15	25	35	13
Max.	33	42	39	37	31
Min.	0	0	1	28	0
A. F.	640	900	1540	2130	730

Water diverted 5940 A. F.

FRENCH DIVERSION
From North Platte River—1946

Day	May	June	July	Aug.	Sept.
1	0	16	22	21	19
2	0	13	21	19	19
3	0	11	22	19	16
4	0	12	21	17	0
5	0	15	20	16	0
6	0	19	19	15	0
7	0	16	18	12	0
8	0	21	19	10	0
9	0	22	22	10	0
10	0	23	22	14	0
11	0	25	21	15	0
12	0	25	21	12	0
13	0	25	22	17	0
14	0	25	22	16	0
15	0	25	21	15	0
16	0	24	21	16	0
17	0	24	20	15	0
18	0	23	21	14	0
19	0	22	20	13	0
20	0	20	20	20	0
21	0	19	20	20	0
22	0	16	22	13	0
23	0	18	21	14	0
24	0	18	20	10	0
25	20	18	19	9	0
26	16	18	19	8	0
27	15	18	19	8	8
28	18	18	21	20	12
29	18	20	22	19	13
30	18	22	22	17	7
31	17	---	21	17	---
Mean	17	16	21	15	13
Max.	20	25	22	21	19
Min.	0	11	18	8	0
A. F.	240	1170	1280	920	186

Water diverted 3796 A. F.

Acreage Reported
 A-1149 *770
 A-1433 *213
 A-1581 *42
 1504
 †147

Total 1676
 *In Nebraska.
 †In Wyoming.

FORT LARAMIE DIVERSION
From North Platte River—1946

Day	Apr	May	June	July	Aug.	Sept.
1	0	840	263	1036	1430	1380
2	0	597	452	1058	1420	1360
3	0	586	614	1048	1420	1330
4	0	608	478	1026	1430	1335
5	0	774	449	1045	1440	1288
6	0	852	488	1029	1460	1267
7	0	688	570	992	1460	1238
8	0	669	645	993	1450	1186
9	0	667	743	1024	1450	1129
10	0	378	910	1131	1460	1099
11	0	43	980	1152	1450	1089
12	0	163	1050	1227	1460	1008
13	0	345	1072	1334	1450	958
14	0	586	1090	1398	1440	918
15	0	407	1140	1440	1440	909
16	0	395	1190	1440	1450	910
17	0	401	1178	1440	1450	884
18	0	398	1188	1450	1440	830
19	0	398	1104	1450	1440	808
20	0	430	993	1440	1440	808
21	0	489	956	1430	1440	779
22	0	522	938	1420	1440	741
23	0	641	926	1440	1430	607
24	0	563	909	1440	1420	435
25	0	465	878	1410	1420	335
26	0	460	876	1410	1410	355
27	0	475	877	1420	1420	254
28	0	511	938	1420	1430	0
29	0	521	946	1420	1440	0
30	548	498	966	1420	1420	0
31	---	449	---	1420	1400	---
Mean	18	510	860	1283	1437	875
Max.	548	852	1190	1450	1460	1380
Min.	0	43	263	992	1410	0
A.F.	1090	31280	51200	78950	88360	50060

Water diverted for irrigation
301040 A. F.

Acreage Reported
 A-768 *53500
 †50000

Total 103500
 *In Nebraska.
 †In Wyoming.

GERING DIVERSION
From North Platte River—1946

Day	May	June	July	Aug.	Sept.
1	0	4	103	192	99
2	118	3	104	196	100
3	128	3	103	195	100
4	122	3	100	196	100
5	110	3	101	197	99
6	122	4	100	196	101
7	118	3	100	195	103
8	105	71	100	196	104
9	103	100	97	195	99
10	104	98	97	197	100
11	101	100	99	199	103
12	97	100	138	199	101
13	99	99	148	196	100
14	104	136	150	199	100
15	107	148	152	195	99
16	103	148	151	195	97
17	99	148	151	155	90
18	97	148	151	143	36
19	101	147	151	143	4
20	98	147	150	146	5
21	95	146	150	143	4
22	95	109	150	143	3
23	98	101	151	146	3
24	100	103	151	145	3
25	21	105	151	145	3
26	7	105	150	145	3
27	7	103	163	146	3
28	7	103	175	128	3
29	7	103	175	122	3
30	6	103	175	121	2
31	6	.....	175	107	.....
Mean	80	90	136	168	50
Max.	128	148	175	199	104
Min.	0	3	97	107	2
A. F.	4930	5340	8350	10350	3510
Water diverted—	ed 32480 A. F.		Acreage Reported A-365 14357		

GOTHENBURG DIVERSION
From Platte River—Sec. 19-12-26 W.—1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	97	172	122	150	90	100	137	307	168	249	345	188
2	209	184	112	150	90	142	136	309	168	293	333	189
3	108	177	126	150	130	143	137	299	163	275	329	204
4	69	171	132	150	200	136	132	260	149	277	343	196
5	74	188	70	150	80	125	130	279	137	272	339	150
6	101	186	46	150	80	121	132	285	128	287	335	186
7	122	182	57	150	120	130	130	281	154	266	315	150
8	71	171	82	150	140	122	128	289	258	241	325	189
9	68	172	130	150	160	154	137	279	313	274	333	149
10	63	166	130	150	140	136	160	268	299	280	333	132
11	66	143	130	150	120	142	168	279	285	299	329	110
12	83	171	130	150	130	129	149	262	285	305	339	202
13	100	129	130	150	130	139	142	268	295	305	329	132
14	130	105	130	150	140	139	135	236	287	301	305	97
15	116	140	130	160	144	136	129	112	291	325	277	92
16	101	155	130	160	163	129	133	108	293	307	287	84
17	103	154	130	160	156	128	139	214	313	309	305	79
18	98	150	130	180	148	133	121	247	319	303	272	90
19	97	112	130	150	149	139	129	249	283	313	293	115
20	116	28	130	120	169	143	125	251	275	305	297	101
21	102	68	130	120	169	150	128	256	299	293	295	92
22	100	119	130	110	171	143	135	289	307	287	299	85
23	108	105	130	100	163	150	166	256	303	317	254	84
24	123	164	130	100	156	152	156	232	238	311	207	83
25	122	152	130	90	163	163	148	247	303	303	270	82
26	119	6	130	80	132	168	188	234	303	297	223	83
27	125	0	130	70	122	163	209	213	295	319	236	80
28	125	0	130	70	137	163	303	231	254	309	232	80
29	118	52	130	70	.....	168	301	211	253	309	227	84
30	112	149	130	80	.....	164	309	211	256	307	200	83
31	126	.....	130	80	.....	156	.....	198	.....	335	220	.....
Mean	106	129	121	129	139	142	162	247	256	296	291	122
Max.	209	188	132	180	200	168	309	309	319	335	345	204
Min.	63	0	46	70	80	100	121	108	128	241	290	79
A. F.	6490	7680	7430	7980	7720	8740	9640	15190	15220	18210	17900	7280
Acre-feet of Water diverted:—												
For irrigation 42610												
For power 86820												
Total 129430												

BUREAU OF IRRIGATION

GOTHENBURG POWER RETURN
To Platte River—Sec. 9-11-25 W.—1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	49	133	138	91	69	100	133	181	119	125	78	116
2	87	162	63	83	109	129	109	166	129	127	73	116
3	54	166	74	140	132	136	120	143	121	133	57	98
4	38	162	90	152	76	129	117	132	101	133	78	101
5	18	161	78	129	68	125	108	142	97	135	76	102
6	30	163	34	141	38	39	120	145	84	139	71	85
7	73	162	31	136	57	142	113	143	55	137	62	81
8	28	161	95	127	104	100	117	133	124	133	62	40
9	24	147	53	89	133	146	121	140	146	132	76	13
10	23	162	66	109	114	138	140	133	145	117	113	1
11	21	140	109	149	109	142	149	139	144	121	102	27
12	32	157	135	141	121	121	137	145	140	139	104	70
13	12	145	160	130	112	129	129	138	139	121	107	70
14	47	59	156	130	111	113	118	138	142	115	108	59
15	54	133	154	143	120	126	98	56	143	126	130	32
16	22	119	85	153	144	115	101	20	144	120	88	25
17	14	85	89	137	149	111	117	100	123	103	112	39
18	17	85	98	148	150	111	96	118	123	86	136	44
19	14	85	126	157	148	115	100	140	140	86	140	43
20	23	85	141	90	136	119	108	158	103	85	147	70
21	23	85	122	90	144	105	109	159	129	85	138	59
22	30	85	101	90	144	141	108	159	123	60	109	26
23	40	85	80	90	144	137	108	142	130	77	124	32
24	38	166	94	90	143	132	109	134	105	79	118	33
25	42	166	89	90	144	133	108	129	110	57	113	23
26	43	57	89	81	140	144	74	144	120	26	92	40
27	50	15	100	69	100	141	124	134	129	54	114	18
28	42	15	129	60	100	146	181	142	114	34	117	34
29	43	13	130	60	-----	144	183	145	121	49	117	38
30	43	30	126	60	-----	144	181	149	121	39	116	41
31	66	-----	95	45	-----	136	-----	128	-----	57	116	-----
Mean	37	115	101	110	116	125	121	135	122	98	103	53
Max.	87	166	160	157	150	146	183	181	146	139	147	116
Min.	12	13	31	45	38	39	74	20	55	26	57	1
A. F.	2260	6820	6210	6740	6460	7710	7210	8280	7270	6010	6340	3130

Water returned 74440 A. F.

GOTHENBURG IRRIGATION
DIVERSION

From Platte River—1946

Day	Oct.	May	June	July	Aug.	Sept.
1	42	104	35	108	257	58
2	111	123	23	150	251	50
3	47	138	27	125	265	94
4	25	112	35	127	255	82
5	51	119	28	120	253	35
6	66	122	34	130	255	90
7	40	120	92	112	245	59
8	38	140	119	91	255	143
9	39	121	149	126	247	131
10	35	119	136	158	206	126
11	40	123	123	163	214	78
12	46	99	127	148	222	123
13	83	113	139	169	208	53
14	78	81	127	172	183	31
15	55	49	130	183	131	55
16	74	83	131	172	188	54
17	84	101	175	193	179	35
18	76	115	181	206	118	40
19	78	91	125	216	135	66
20	88	74	159	209	131	22
21	74	78	154	197	139	26
22	65	111	169	219	176	54
23	62	96	157	231	114	47
24	80	82	120	222	74	45
25	74	102	179	239	143	54
26	70	72	168	266	120	37
27	68	63	150	259	108	57
28	77	71	126	270	100	41
29	69	48	117	254	95	41
30	63	44	120	263	70	36
31	0	54	-----	270	90	-----
Mean	61	96	119	186	175	62
Max.	111	140	181	270	265	143
Min.	0	44	23	91	70	22
A. F.	3760	5890	7050	11440	10760	3710

Water diverted—
ed 42610 A. F.

Acreeage Reported
D-645a 820
D-645b 17000
A-3716 4585

Total 22405

GRAF DIVERSION
From Blue Creek and Crescent Lake
1946

Day	May	June	July	Aug.	Sept.
1	0	8	15	15	30
2	0	16	15	16	28
3	0	14	15	18	26
4	0	12	15	18	22
5	0	12	19	10	20
6	0	12	22	18	17
7	0	12	22	25	20
8	0	13	23	25	17
9	0	19	15	1	2
10	0	18	12	2	2
11	0	15	15	2	7
12	0	14	20	0	18
13	0	12	23	0	18
14	10	11	23	18	18
15	16	9	24	25	16
16	14	6	23	22	17
17	14	13	18	20	19
18	14	12	17	21	13
19	13	16	16	21	8
20	12	16	16	20	14
21	10	11	16	19	18
22	9	10	14	21	16
23	6	10	17	22	15
24	11	18	17	21	16
25	6	18	17	19	16
26	4	19	16	17	16
27	1	12	15	30	16
28	1	10	13	30	17
29	3	12	16	28	17
30	5	16	16	27	15
31	4	-----	16	29	-----
Mean	5	13	17	18	16
Max.	16	19	23	30	30
Min.	0	6	13	0	2
A. F.	305	780	1070	1110	990

Water diverted—
ed 4255 A. F.

Acreeage Reported
D-788 1989
D-781R 15
D-763R 85

Total 2089

REPORT OF THE STATE ENGINEER

HOOPER DIVERSION
From Blue Creek—1946

Day	May	June	July	Aug.	Sept.
1	9	8	11	12	10
2	8	10	11	13	10
3	7	9	11	13	10
4	3	9	11	11	10
5	0	10	11	13	10
6	1	17	17	15	11
7	2	17	17	12	12
8	0	17	13	12	5
9	0	16	8	11	5
10	10	13	10	11	9
11	0	9	15	11	8
12	5	15	14	12	4
13	4	18	8	11	0
14	2	18	7	10	0
15	12	18	7	11	0
16	9	18	14	13	3
17	9	17	17	11	8
18	4	18	14	11	12
19	4	19	13	10	11
20	4	13	16	10	6
21	7	15	16	11	6
22	8	15	14	11	6
23	13	16	12	13	3
24	14	18	12	11	4
25	9	14	13	10	4
26	6	11	13	7	8
27	6	13	13	8	8
28	8	12	13	8	8
29	9	13	13	9	7
30	9	13	13	13	7
31	5	---	12	13	---
Mean	6	14	12	11	7
Max.	14	19	17	15	13
Min.	0	8	7	7	0
A. F.	370	850	770	690	410

Water diverted 3090 A. F.
Acreage Reported
D-781 858
D-788R 19

Total 877

INTERSTATE DIVERSION
From North Platte River—1946

Day	Apr.	May	June	July	Aug.	Sept.
1	170	1180	862	1870	2000	1740
2	584	1230	851	1870	2000	1730
3	789	1180	490	1820	2000	1740
4	836	991	50	1820	2000	1740
5	843	1040	0	1820	2000	1750
6	843	1170	103	1740	2000	1760
7	846	1200	622	1756	2010	1680
8	860	1110	890	1740	2010	1630
9	862	1100	1160	1740	2020	1590
10	862	1090	1210	1820	2020	1560
11	865	1000	1360	1870	2020	1470
12	865	997	1490	1890	2020	1370
13	862	1010	1580	1940	2020	1370
14	857	1100	1720	2000	2020	1350
15	860	1110	1790	2030	2010	1240
16	907	1110	1840	2030	2010	1170
17	910	1120	1850	2050	2000	1150
18	907	1110	1770	2050	2000	1040
19	907	1110	1860	2040	2000	951
20	930	1110	1580	2020	2010	951
21	994	1110	1560	2010	2010	948
22	1000	1110	1550	2000	2000	942
23	1000	1110	1560	2000	2000	951
24	1010	1010	1560	2000	2000	591
25	1010	893	1550	2000	2020	815
26	1010	881	1640	2000	2020	574
27	1020	881	1770	1990	2020	107
28	1030	876	1840	1990	2020	0
29	1050	868	1840	1990	2000	0
30	985	865	1810	1990	1880	0
31	---	862	---	2000	1810	---
Mean	882	1049	1318	1932	1998	1142
Max.	1050	1230	1850	2050	2020	1760
Min.	170	862	0	1740	1810	0
A. F.	52510	64530	78430	118770	122880	67970

Water diverted 505090 A. F.
Acreage Reported
A-768 *95726
†16074

Total 111800
*In Nebraska.
†In Wyoming.

KEITH-LINCOLN COUNTY DIVERSION

From North Platte River—1946							
Day	Apr.	May	June	July	Aug.	Sept.	
1	0	47	36	80	84	58	
2	0	27	35	84	83	64	
3	0	46	38	79	85	71	
4	0	31	38	75	84	56	
5	0	43	37	76	83	63	
6	0	51	38	65	83	70	
7	0	38	38	51	82	67	
8	0	38	47	66	80	81	
9	0	43	65	94	50	57	
10	0	35	59	68	0	34	
11	0	40	51	77	0	53	
12	0	34	59	82	0	73	
13	0	23	68	85	27	76	
14	0	22	74	80	80	69	
15	0	54	78	82	81	59	
16	0	61	78	85	82	46	
17	0	63	79	86	83	42	
18	0	61	79	88	79	47	
19	0	60	79	87	81	29	
20	0	55	37	84	85	34	
21	0	58	72	86	88	32	
22	0	58	66	85	82	34	
23	11	59	69	82	83	26	
24	13	55	84	81	78	27	
25	21	36	88	82	76	31	
26	22	37	68	82	72	10	
27	38	51	64	81	63	8	
28	47	50	83	78	72	12	
29	54	50	81	84	65	14	
30	59	51	72	84	72	23	
31	---	51	---	81	55	---	
Mean	9	46	62	80	68	45	
Max.	59	63	88	94	88	81	
Min.	0	22	35	51	0	8	
A. F.	540	2840	3690	4920	4200	2710	
Water diverted				Acreage Reported			
13900 A. F.				D-1722			6173

KIMBALL DIVERSION, NORTH
From Lodgepole Creek and Oliver Reservoir—1946

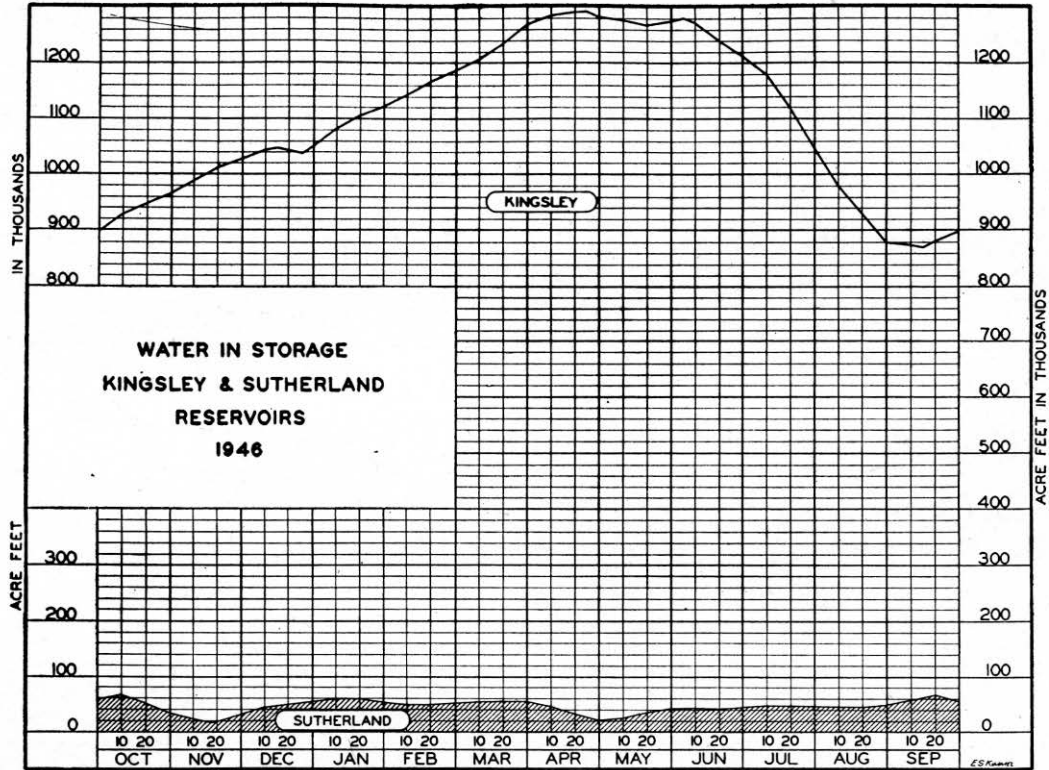
Day	May	June	July	Aug.	Sept.	
1	0	0	8	8	0	
2	0	0	7	8	0	
3	0	0	7	8	0	
4	0	0	5	8	0	
5	0	0	4	8	0	
6	0	0	0	7	5	
7	0	0	0	9	7	
8	0	0	0	9	7	
9	0	0	0	9	4	
10	0	0	0	9	8	
11	0	0	0	9	7	
12	0	0	0	9	6	
13	0	0	7	4	7	
14	0	0	4	4	0	
15	0	9	4	4	5	
16	0	8	4	4	6	
17	0	8	7	4	6	
18	0	9	7	4	0	
19	0	4	0	4	0	
20	0	9	0	4	0	
21	0	9	0	4	0	
22	0	9	0	4	0	
23	0	9	0	4	0	
24	0	9	5	4	0	
25	0	9	5	3	0	
26	0	9	7	0	0	
27	0	9	7	0	0	
28	0	4	8	0	0	
29	0	4	8	0	0	
30	0	4	8	0	0	
31	0	---	8	0	---	
Mean	0	4	4	5	2	
Max.	0	9	8	9	7	
Min.	0	0	0	0	0	
A. F.	0	240	238	300	135	
Water diverted				Acreage Reported		
913 A. F.				A-897		1130

KIMBALL DIVERSION, SOUTH
From Lodgepole Creek and Oliver Reservoir—1946

Day	May	June	July	Aug.	Sept.	
1	0	0	24	28	0	
2	0	0	24	28	0	
3	0	0	24	29	0	
4	0	0	28	26	0	
5	0	0	29	26	0	
6	0	0	0	25	28	
7	0	0	0	26	19	
8	0	0	0	26	19	
9	0	0	0	28	19	
10	0	0	0	25	18	
11	0	0	0	25	17	
12	0	0	0	25	12	
13	0	0	22	22	14	
14	0	22	26	10	19	
15	0	25	19	10	16	
16	0	25	19	8	4	
17	0	27	20	8	13	
18	0	26	24	8	12	
19	0	25	14	8	10	
20	0	25	15	8	17	
21	0	25	24	10	0	
22	0	29	27	10	0	
23	0	29	24	25	0	
24	0	29	19	25	0	
25	0	31	21	8	0	
26	0	31	29	8	0	
27	0	30	29	0	0	
28	0	30	28	0	0	
29	0	30	28	0	0	
30	0	29	29	0	0	
31	0	---	29	0	---	
Mean	0	16	18	16	8	
Max.	0	31	29	28	28	
Min.	0	0	0	0	0	
A. F.	0	930	1140	960	470	
Water diverted				Acreage Reported		
3500 A. F.				A-897		3320

KINGSLEY STORAGE RESERVOIR
Daily Contents in Acre-feet—1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	83790	933600	995100	994400	1069400	1135400	1213400	1256200	1229800	1161900	991700	824500
2	839500	936400	996100	996500	1071200	1136100	1215600	1261000	1229800	1155000	983300	822500
3	841400	940200	996100	999300	1072500	1138200	1220300	1258600	1232200	1152700	977100	818700
4	843000	943800	996100	1000100	1074900	1139800	1221400	1256200	1232200	1150400	970800	818700
5	844600	947400	995500	1004000	1080400	1141700	1223300	1253800	1232200	1145800	964500	816800
6	846900	950600	995900	1006900	1082400	1144600	1225500	1253800	1234600	1145800	958200	812900
7	850500	953000	996500	1009600	1084800	1148100	1228600	1251400	1234600	1141200	952000	811000
8	854400	957200	997200	1011700	1087000	1148100	1230500	1249000	1232200	1136800	945900	812900
9	856600	960700	997400	1015800	1089200	1150400	1234600	1249000	1229800	1134300	937700	814900
10	859900	963200	997000	1018400	1092000	1151300	1238200	1249000	1229800	1129900	931600	814900
11	863000	965600	994000	1020500	1093800	1152900	1240600	1244200	1227400	1125200	927400	812900
12	866200	968100	992000	1023100	1097100	1154500	1243000	1241800	1227400	1118500	921300	812900
13	869100	971800	992000	1025400	1100000	1156400	1245200	1239400	1222600	1114000	915200	811000
14	872900	975600	990600	1027300	1101600	1157500	1248000	1239400	1218000	1109500	911200	811000
15	876400	978600	998600	1029700	1103900	1161000	1249700	1237000	1215600	1105000	907200	809100
16	880200	981600	989600	1032300	1105700	1165600	1251600	1237000	1208500	1098200	903200	807200
17	884000	984100	989600	1034400	1108400	1168800	1253100	1237000	1208500	1091500	899200	807200
18	886600	986200	987500	1036600	1109500	1172000	1254000	1234600	1206200	1084800	893200	809100
19	890200	988100	987500	1039600	1113000	1174100	1256200	1232200	1201500	1078200	887200	811000
20	893600	989600	986400	1042200	1116200	1176400	1257600	1232200	1196800	1069400	883200	811000
21	897200	990600	985400	1044500	1118300	1179800	1259100	1229800	1194400	1062800	877200	814900
22	900000	992300	985400	1047400	1120800	1182700	1261000	1229800	1189800	1056200	871300	816800
23	902600	990400	985400	1049600	1122800	1186000	1261700	1227400	1182700	1049600	865400	818700
24	907200	989200	985200	1052200	1124800	1188100	1263400	1225000	1185000	1043000	859500	820600
25	910200	989800	985400	1054200	1128300	1192100	1264100	1227400	1180900	1036600	853600	824500
26	912600	991100	986000	1057100	1130000	1195800	1263400	1227400	1175700	1030100	849700	828300
27	916600	992100	987100	1060200	1131000	1199400	1263400	1225000	1175700	1025800	843800	832100
28	919800	993200	987900	1060600	1132900	1202400	1261000	1225000	1171100	1017300	839900	834100
29	923000	993600	988600	1063200	.....	1206200	1261000	1227400	1168800	1010800	836000	837900
30	926200	994000	990200	1065000	.....	1207800	1258600	1229800	1166500	1004400	832100	839900
31	929500	.....	992500	1066100	.....	1210900	.....	1229800	.....	998000	828300	.....



LAST CHANCE DIVERSION
From Pumpkinseed Creek—1946

Day	May	June	July	Aug.	Sept.
1	0	0	2	5	7
2	0	0	2	5	7
3	0	0	3	6	3
4	0	0	3	7	5
5	0	0	4	7	8
6	0	0	4	6	6
7	0	0	2	6	6
8	0	0	4	6	6
9	0	0	6	5	6
10	0	1	5	0	6
11	0	2	4	0	5
12	0	4	5	0	2
13	0	4	5	0	3
14	0	4	4	2	7
15	0	4	3	8	7
16	4	3	3	7	7
17	8	6	3	7	8
18	8	4	3	7	8
19	6	2	3	8	9
20	0	4	2	8	9
21	0	4	0	8	0
22	0	4	0	8	0
23	0	2	2	8	1
24	0	4	3	8	2
25	0	6	4	8	3
26	0	6	4	9	3
27	0	5	3	9	3
28	0	4	5	3	3
29	0	3	5	1	3
30	0	3	5	7	3
31	0	-	5	7	-
Mean	1	3	3	6	5
Max.	8	6	6	9	9
Min.	4	0	0	0	0
A. F.	52	153	210	350	290
Water diverted 1056 A. F.	Acreage Reported			D-883 442	

LISCO DIVERSION
From North Platte River—1946

Day	May	June	July	Aug.	Sept.
1	0	9	17	21	22
2	0	6	21	23	20
3	0	4	28	23	19
4	11	4	21	22	21
5	10	11	19	22	22
6	0	16	6	20	22
7	0	18	13	22	23
8	0	18	20	21	21
9	0	17	19	19	16
10	0	15	16	16	19
11	0	16	17	18	17
12	2	19	18	22	14
13	2	22	19	18	11
14	1	25	20	23	11
15	4	23	22	25	11
16	7	21	20	27	12
17	5	20	19	27	11
18	4	19	22	25	10
19	4	19	28	24	9
20	3	21	34	24	7
21	2	21	38	25	4
22	4	24	29	25	4
23	3	28	28	22	2
24	3	9	27	21	0
25	0	25	28	25	9
26	10	16	34	24	14
27	15	22	24	22	11
28	17	20	24	24	9
29	18	14	24	29	3
30	14	14	23	25	0
31	11	---	19	22	---
Mean	5	17	22	23	12
Max.	18	28	38	29	23
Min.	0	4	6	16	0
A. F.	300	1020	1380	1400	740
Water diverted 4840 A. F.	Acreage Reported			D-856 1391 D-787R 1268 A-243R 635 A-991 216	
					Total 3510

LYONS CANAL
From North Platte River—1946

Day	May	June	July	Aug.	Sept.
1	0	8	3	4	5
2	0	8	6	4	5
3	0	8	5	4	5
4	0	6	5	4	5
5	0	5	4	4	5
6	0	4	4	1	5
7	0	3	4	0	4
8	0	3	4	0	5
9	0	4	4	0	5
10	0	5	0	0	5
11	0	4	0	0	0
12	0	5	3	0	0
13	0	3	0	0	0
14	0	4	0	0	0
15	0	3	1	0	1
16	0	1	4	0	0
17	0	0	3	0	0
18	0	5	3	0	1
19	0	3	3	0	1
20	0	0	5	0	1
21	0	10	3	0	1
22	0	11	3	0	2
23	0	5	3	0	3
24	0	3	0	0	4
25	0	2	0	1	5
26	0	2	0	0	5
27	4	2	3	6	5
28	6	1	8	8	5
29	6	2	9	7	5
30	6	0	8	8	5
31	8	-	7	5	-
Mean	1	4	3	2	3
Max.	8	11	9	8	5
Min.	0	0	0	0	0
A. F.	60	240	210	110	180
Water diverted 800 A. F.	Acreage Reported			D-803 968	

McINTOSH DIVERSION
From Lodgepole Creek—1946

Day	May	June	July	Aug.	Sept.
1	3	2	3	3	2
2	3	2	3	3	2
3	3	3	3	3	2
4	3	3	3	2	2
5	2	3	3	2	2
6	3	3	3	2	1
7	3	3	3	2	1
8	2	3	3	2	1
9	2	3	3	2	1
10	2	3	3	2	1
11	3	3	3	2	1
12	3	3	3	2	1
13	3	3	3	2	2
14	3	3	3	2	2
15	3	3	5	2	2
16	3	3	3	2	2
17	3	3	3	2	2
18	3	3	3	2	2
19	3	3	3	0	2
20	3	4	3	0	2
21	3	4	3	0	2
22	3	4	3	0	2
23	3	3	3	0	2
24	3	3	4	0	2
25	3	3	4	2	2
26	3	3	4	2	2
27	3	3	4	2	2
28	3	3	4	2	2
29	3	3	4	2	2
30	2	3	4	2	2
31	2	...	3	2	...
Mean	3	3	3	2	2
Max.	3	4	5	3	2
Min.	2	3	3	0	1
A. F.	170	180	204	105	105
Estimated diversion 764 A. F.					

MEREDITH-AMMER CANAL				
From Pumpkinseed Creek—1946				
Day	May	June	July	Aug. Sept.
1	2	1	0	7 0
2	2	1	0	7 0
3	3	1	0	7 0
4	6	1	0	7 0
5	6	1	0	7 0
6	6	0	0	8 0
7	5	1	0	8 0
8	5	1	0	7 0
9	7	2	0	7 0
10	7	1	7	7 0
11	7	1	6	7 0
12	3	2	5	8 0
13	2	4	6	1 0
14	2	6	9	8 0
15	3	6	10	5 0
16	2	5	10	5 0
17	2	6	10	4 0
18	3	6	10	5 0
19	2	6	9	4 0
20	2	8	8	4 0
21	2	6	8	5 0
22	1	8	8	5 0
23	2	8	7	6 0
24	2	7	9	5 0
25	1	7	9	5 0
26	1	7	8	5 0
27	1	5	9	5 0
28	1	2	10	6 0
29	1	1	9	3 0
30	1	0	8	3 0
31	1	—	8	4 —
Mean	3	4	6	6 0
Max.	7	8	10	8 0
Min.	1	0	0	1 0
A. F.	180	220	360	340 0
Water diverted	1100 A. F.		Acreage Reported D-876 435	

MIDLAND-OVERLAND DIVERSION				
From North Platte River—1946				
Day	May	June	July	Aug. Sept.
1	0	0	6	13 10
2	0	0	9	12 6
3	0	2	9	13 6
4	0	8	16	17 6
5	0	7	16	15 6
6	0	6	18	8 6
7	0	5	18	2 7
8	0	5	15	2 8
9	0	5	15	1 8
10	0	4	12	1 8
11	0	3	9	1 7
12	0	4	8	2 8
13	2	4	6	2 9
14	4	15	8	6 8
15	5	14	13	21 8
16	7	16	16	23 9
17	6	14	16	24 10
18	6	5	14	24 10
19	4	0	13	25 11
20	1	5	14	24 13
21	0	6	13	24 13
22	0	23	12	24 12
23	0	29	11	22 12
24	0	30	11	20 12
25	0	27	12	22 11
26	0	25	12	14 11
27	0	24	10	13 10
28	0	19	10	15 10
29	0	1	13	15 10
30	0	2	15	15 11
31	0	—	13	15 —
Mean	1	10	12	14 10
Max.	7	30	18	25 13
Min.	0	0	6	1 6
A. F.	70	620	760	860 550
Water diverted	2860 A. F.		Acreage Reported D-789 1001 D-800 115 D-791 O. D. 741	
Total				1857

MINATARE DIVERSION				
From North Platte River—1946				
Day	May	June	July	Aug. Sept.
1	0	17	72	72 54
2	0	24	77	70 63
3	0	21	73	59 64
4	0	30	63	63 64
5	0	31	64	69 33
6	0	30	56	72 33
7	0	32	77	78 22
8	0	35	82	76 27
9	0	34	80	78 24
10	0	42	78	78 35
11	0	57	68	82 33
12	0	58	74	84 36
13	0	58	82	84 34
14	0	62	81	84 27
15	0	62	75	84 20
16	0	62	72	82 27
17	20	65	72	85 34
18	23	51	72	79 44
19	23	55	65	70 39
20	21	46	66	68 17
21	18	47	72	70 17
22	20	48	72	68 20
23	31	55	74	76 31
24	24	74	75	66 35
25	22	64	82	73 32
26	18	56	86	75 44
27	15	67	82	74 30
28	16	72	84	75 33
29	18	75	82	70 26
30	19	74	79	46 22
31	20	—	77	48 —
Mean	10	50	75	73 34
Max.	31	75	86	85 64
Min.	0	17	56	46 17
A. F.	610	2980	4600	4480 2040
Water diverted	14710 A. F.		Acreage Reported D-919 7633	

MITCHELL DIVERSION				
From North Platte River—1946				
Day	Apr.	May	June	July Aug. Sept.
1	0	94	150	154 104 95
2	0	112	147	154 104 117
3	0	131	153	153 104 116
4	0	132	160	153 106 128
5	0	128	156	151 110 133
6	0	133	146	179 106 137
7	0	142	146	187 106 126
8	0	125	146	187 106 124
9	0	122	147	184 104 123
10	0	116	143	190 103 124
11	0	100	148	195 103 123
12	0	96	147	193 103 122
13	0	98	145	192 102 122
14	0	101	145	192 102 122
15	0	99	146	196 33 121
16	0	91	144	195 19 120
17	0	94	144	197 19 120
18	0	95	144	197 14 114
19	0	134	143	182 16 117
20	0	145	125	158 15 120
21	0	147	116	156 16 118
22	0	150	116	125 74 118
23	0	150	109	109 91 122
24	0	152	98	110 89 121
25	0	152	98	111 90 121
26	0	150	100	106 89 118
27	0	151	99	104 88 44
28	0	156	105	104 29 0
29	81	154	103	104 18 0
30	89	152	142	103 17 0
31	—	150	—	102 15 —
Mean	6	127	134	156 71 106
Max.	89	156	160	197 110 138
Min.	0	94	98	102 14 0
A. F.	340	7840	7960	9570 4350 6330
Water diverted	36390 A. F.		Acreage Reported D-1052 13594	

NINE MILE CANAL

From North Platte River—1946

Day	May	June	July	Aug.	Sept.
1	67	46	68	69	62
2	74	47	69	69	62
3	57	50	65	70	65
4	57	52	72	72	65
5	52	52	72	74	63
6	52	57	77	75	62
7	57	58	74	76	64
8	55	50	72	76	68
9	59	50	74	77	65
10	57	55	69	77	52
11	57	48	66	79	49
12	55	49	65	80	46
13	51	61	73	78	48
14	48	66	79	74	44
15	43	64	78	74	40
16	44	60	72	76	48
17	49	60	74	76	46
18	60	70	74	72	52
19	57	87	69	69	44
20	50	84	70	70	38
21	52	80	74	67	37
22	64	73	70	68	38
23	66	65	64	71	40
24	57	72	66	72	38
25	48	70	72	72	34
26	52	72	69	74	30
27	51	70	69	74	31
28	48	63	69	74	33
29	55	72	69	66	33
30	54	69	67	62	12
31	49	—	72	61	—
Mean	55	62	71	72	47
Max.	74	87	79	80	68
Min.	43	46	64	61	12
A. F.	3370	3710	4350	4450	2800
Water diverted 18680 A. F.			Acres reported D-925		5703

NORTH PLATTE DIVERSION

From North Platte River—1946

Day	Oct.	May	June	July	Aug.	Sept.
1	40	0	2	175	281	143
2	42	0	44	153	288	150
3	65	0	45	146	286	146
4	65	0	44	148	231	138
5	48	0	44	151	243	164
6	52	0	65	148	272	199
7	68	0	76	137	273	161
8	66	164	98	154	288	102
9	66	108	145	187	292	89
10	65	58	151	191	305	63
11	66	100	175	195	265	38
12	68	87	200	191	292	52
13	65	100	223	194	199	94
14	68	143	213	191	195	102
15	70	134	207	192	207	90
16	66	134	202	186	208	54
17	42	142	224	184	203	51
18	34	156	140	184	206	63
19	34	148	58	187	229	48
20	36	150	62	189	231	19
21	38	150	57	194	251	22
22	38	164	98	194	251	58
23	34	150	98	195	203	66
24	33	122	106	205	195	73
25	32	116	132	205	197	95
26	32	114	159	249	200	90
27	30	113	199	248	184	65
28	26	121	197	267	178	66
29	23	94	187	270	170	84
30	19	44	181	276	164	81
31	12	0	—	278	151	—
Mean	47	91	127	195	227	89
Max.	70	164	224	278	305	199
Min.	12	0	2	137	151	19
A. F.	2860	5580	7600	12030	13980	5280
Water diverted 47330 A. F.			Acres reported D-635		14050	

NORTHPORT IRRIGATION DISTRICT (TRI-STATE CANAL)

From North Platte River and Pathfinder Reservoir—1946

Measured at Tri-State Rating Station

Day	May	June	July	Aug.	Sept
1	0	187	28	0	0
2	0	187	90	0	0
3	0	185	94	0	0
4	0	185	93	0	0
5	0	185	88	0	0
6	0	0	72	0	0
7	0	0	69	0	0
8	0	0	71	2	0
9	0	0	71	15	0
10	126	0	75	33	0
11	63	104	73	29	0
12	115	106	72	20	0
13	0	103	71	0	0
14	0	123	82	0	0
15	0	103	113	0	0
16	81	120	108	0	0
17	150	119	113	0	0
18	148	97	107	0	0
19	129	77	101	0	0
20	18	122	101	0	0
21	0	127	13	0	0
22	20	129	6	0	0
23	0	128	0	0	0
24	89	109	0	0	0
25	149	41	2	0	0
26	172	100	0	0	0
27	160	89	0	0	0
28	153	54	0	0	0
29	153	72	0	0	0
30	151	62	0	0	0
31	183	—	0	0	—
Mean	66	97	55	3	0
Max.	183	187	113	33	0
Min.	0	0	0	0	0
A. F.	4090	5780	3390	200	0
Water diverted 13460 A. F.			Acres reported A-768		16109

REPORT OF THE STATE ENGINEER

OLIVER RESERVOIR—KIMBALL IRRIGATION DISTRICT
Lodgepole Creek, Storage in Acre-feet—1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1												
2												
3												
4												
5												
6												
7						4280						
8												
9												
10												
11			3540			4680						
12												
13												
14												
15						4410						
16	2650			4040								
17								5250				
18												
19							5070					
20												
21		3280										
22												
23												
24												
25												
26						4920						
27			3800									
28						4540						
29												
30	2900						5070					1470
31								5390				

ORCHARD-ALFALFA DIVERSION
From Platte River—1946

Day	May	June	July	Aug.	Sept.
1	23	1	28	75	31
2	23	1	23	79	31
3	23	9	22	74	34
4	32	16	28	74	39
5	34	22	28	72	37
6	38	24	30	73	44
7	34	20	30	72	55
8	33	20	29	65	32
9	39	20	20	61	30
10	38	20	20	69	28
11	41	21	28	66	27
12	36	20	44	61	28
13	30	21	42	23	28
14	30	24	55	1	24
15	29	21	59	0	22
16	30	19	49	0	22
17	34	20	46	0	24
18	34	20	38	0	22
19	34	7	31	5	23
20	36	12	44	11	26
21	36	28	53	1	26
22	35	26	50	1	18
23	28	26	42	2	6
24	45	27	57	38	0
25	48	22	66	39	0
26	49	20	69	41	0
27	46	12	67	44	0
28	36	7	67	48	0
29	36	18	66	47	0
30	35	27	65	50	0
31	8	—	72	41	—
Mean	34	18	44	40	22
Max.	49	28	72	79	55
Min.	8	1	20	0	0
A. F. 2090	1090		2710	2440	1300
Water diverted ed 9630 A. F.			Acreage Reported D-627		5950

OSHKOSH DIVERSION
From North Platte River—1946

Day	May	June	July	Aug.	Sept.
1	0	0	4	0	13
2	0	0	4	0	17
3	0	0	5	0	20
4	0	0	4	0	19
5	0	0	4	0	14
6	0	0	5	2	14
7	0	0	5	2	14
8	0	0	4	0	16
9	0	0	5	0	16
10	0	0	5	0	16
11	0	0	6	0	20
12	0	0	5	0	11
13	0	0	4	0	2
14	0	0	4	0	2
15	0	0	6	0	2
16	0	3	9	0	2
17	0	1	7	0	2
18	0	2	5	0	3
19	0	1	6	0	2
20	0	2	5	0	2
21	0	4	4	0	2
22	0	4	4	0	1
23	0	4	7	0	0
24	0	5	10	0	0
25	0	5	2	6	1
26	0	5	2	8	1
27	0	4	1	15	1
28	0	4	4	17	1
29	0	5	1	20	0
30	0	4	0	16	0
31	0	—	0	12	—
Mean	0	2	4	3	7
Max.	0	5	10	20	20
Min.	0	0	0	0	0
A. F. 0	105		272	186	424
Water diverted ed 987 A. F.			Acreage Reported D-797		2192
			A-243R		162

Total 2354

PAISLEY DIVERSION

From Blue Creek and Crescent Lake—1946

Day	Oct.	Nov.	May	June	July	Aug.	Sept.
1	9	9	4	9	13	0	12
2	9	9	9	9	13	0	12
3	9	9	10	9	13	0	12
4	9	9	10	11	13	6	11
5	8	10	11	11	11	16	11
6	8	10	11	11	5	5	12
7	9	4	10	7	4	0	13
8	9	2	9	8	0	0	13
9	9	0	8	11	0	0	13
10	9	0	9	12	0	0	13
11	6	0	10	12	0	0	13
12	5	0	10	12	0	0	15
13	7	0	10	12	0	0	16
14	7	0	10	12	0	0	17
15	7	0	10	13	0	0	17
16	8	0	11	12	0	0	17
17	8	0	12	0	0	0	17
18	7	0	12	0	0	0	17
19	7	0	13	0	0	0	14
20	8	0	13	10	0	0	11
21	8	0	13	13	0	0	11
22	6	0	15	14	0	0	11
23	5	0	14	12	0	0	11
24	5	0	7	7	0	0	11
25	3	0	2	10	0	0	11
26	2	0	8	11	0	2	11
27	2	0	12	14	0	10	12
28	2	0	12	15	0	13	12
29	1	0	13	15	0	13	12
30	1	0	11	15	0	13	12
31	1	—	10	—	0	13	—
Mean	6	2	10	10	2	3	13
Max.	9	10	15	15	13	16	17
Min.	1	0	2	0	0	0	11
A. F.	380	120	630	610	140	180	770

Water diverted 2830 A. F.

Acreage Reported	
D-800	815
A-515	95
A-1738	400
Total	1310

PAXTON-HERSHEY DIVERSION

From North Platte River—1946

Day	Oct.	Apr.	May	June	July	Aug.	Sept.
1	43	0	46	41	76	91	65
2	41	0	46	26	76	87	57
3	44	0	39	32	78	104	72
4	45	0	32	44	78	96	48
5	22	0	31	46	76	97	7
6	0	0	39	40	79	91	7
7	0	0	44	27	86	92	17
8	0	0	27	37	80	98	59
9	0	0	69	50	83	98	82
10	0	0	74	76	87	33	80
11	0	0	74	97	84	0	12
12	0	0	72	101	86	0	12
13	0	0	72	102	89	12	12
14	0	0	49	110	91	70	3
15	0	0	48	112	92	74	4
16	0	0	60	102	91	92	7
17	0	0	57	89	91	95	3
18	0	0	49	57	93	98	3
19	0	0	48	56	93	91	3
20	0	0	53	52	91	83	0
21	0	0	53	45	89	86	0
22	0	0	69	27	88	89	0
23	0	0	80	40	87	91	0
24	0	0	72	61	83	70	0
25	0	0	60	74	84	70	0
26	0	0	53	82	87	72	0
27	0	0	49	80	87	71	0
28	0	0	50	84	86	67	0
29	0	57	56	86	84	69	0
30	0	72	60	79	80	66	0
31	0	—	53	—	87	61	—
Mean	6	4	54	66	85	75	18
Max.	45	72	80	112	93	104	82
Min.	0	0	27	26	76	0	0
A. F.	390	260	3340	3880	5240	4590	1100

Water diverted 18800 A. F.

Acreage Reported	
D-653	7458

REPORT OF THE STATE ENGINEER

RAMSHORN DIVERSION					
From North Platte River—1946					
Day	May	June	July	Aug.	Sept.
1	0	11	8	11	7
2	0	14	16	14	6
3	0	12	20	16	5
4	0	12	18	16	5
5	0	22	21	14	6
6	0	15	18	16	5
7	0	11	19	14	6
8	0	6	18	11	10
9	0	3	14	10	12
10	0	8	10	10	15
11	0	8	9	14	16
12	0	15	18	25	13
13	0	10	15	12	11
14	0	10	12	20	7
15	0	11	14	14	7
16	9	15	10	10	7
17	15	14	13	12	6
18	20	14	12	10	10
19	9	11	12	10	12
20	8	8	12	9	9
21	8	7	10	9	6
22	8	7	9	10	6
23	7	7	9	11	7
24	16	6	10	12	12
25	17	7	10	9	15
26	20	7	10	9	10
27	20	7	11	10	11
28	31	7	12	16	10
29	30	6	12	14	10
30	15	6	12	8	12
31	12	—	10	9	—
Mean	8	10	13	12	9
Max.	31	22	21	25	16
Min.	0	3	8	8	5
A. F.	490	590	800	760	540
Water divert-	Acreage Reported		1651		
ed 3180 A. F.	D-945				

SHERIDAN-WILSON DIVERSION					
From North Platte River—1946					
Day	May	June	July	Aug.	Sept.
1	0	5	8	9	0
2	0	5	4	6	0
3	0	5	3	5	0
4	0	5	3	6	0
5	0	4	4	7	0
6	0	6	4	8	0
7	0	7	3	7	0
8	0	8	3	7	0
9	0	15	3	7	0
10	0	7	3	7	0
11	0	8	4	6	0
12	0	17	4	5	0
13	0	18	4	5	0
14	0	19	5	7	0
15	0	20	4	7	0
16	0	21	6	7	0
17	0	21	6	6	0
18	0	10	5	7	0
19	0	6	5	8	0
20	0	2	4	8	0
21	0	0	5	8	0
22	2	0	6	10	0
23	3	0	6	10	0
24	3	0	6	7	0
25	2	6	8	8	0
26	2	8	8	6	0
27	5	3	6	7	0
28	3	4	5	6	0
29	3	4	8	2	6
30	2	3	7	1	0
31	4	—	11	1	—
Mean	1	8	5	6	0
Max.	4	21	11	10	0
Min.	0	0	3	1	0
A. F.	60	470	320	400	0
Water divert-	Acreage Reported		676		
ed 1250 A. F.	D-710				

SHORT LINE DIVERSION					
From North Platte River—1946					
Day	May	June	July	Aug.	Sept.
1	0	0	23	36	5
2	0	0	21	36	3
3	0	0	34	36	10
4	0	0	21	36	20
5	0	0	18	24	18
6	0	16	18	22	20
7	0	0	0	20	22
8	0	0	11	8	9
9	0	1	14	19	0
10	0	31	32	18	9
11	0	28	29	18	3
12	0	0	28	9	2
13	0	0	31	21	2
14	23	0	26	22	2
15	2	35	22	16	4
16	1	56	20	14	4
17	0	53	22	16	20
18	0	42	0	12	0
19	0	36	0	10	0
20	8	19	0	12	0
21	7	44	22	15	0
22	5	33	42	8	0
23	11	50	2	9	0
24	0	44	2	11	0
25	0	40	16	13	0
26	0	26	18	9	0
27	0	7	20	10	0
28	0	21	22	9	7
29	20	25	31	9	7
30	0	23	36	0	8
31	0	—	38	0	—
Mean	2	21	20	16	6
Max.	23	56	42	36	22
Min.	0	0	0	0	0
A. F.	150	1280	1230	970	350
Water divert-	Acreage Reported		3070		
ed 3980 A. F.	D-946				

SIX MILE DIVERSION					
From Platte River—1946					
Day	May	June	July	Aug.	Sept.
1	10	0	0	20	1
2	10	0	10	21	11
3	9	0	10	21	11
4	9	0	10	21	11
5	9	0	10	21	6
6	9	0	10	21	5
7	9	0	11	21	5
8	8	0	11	17	1
9	8	0	11	16	0
10	8	0	11	15	0
11	8	6	11	16	0
12	8	6	11	15	0
13	8	6	13	16	0
14	7	6	14	12	0
15	7	6	15	12	0
16	7	9	15	0	0
17	7	9	8	0	0
18	7	6	7	0	0
19	7	10	8	0	0
20	7	13	18	13	0
21	7	10	17	20	0
22	7	8	13	19	0
23	7	0	13	19	0
24	10	0	18	19	0
25	10	0	19	10	0
26	9	0	19	3	0
27	9	0	19	3	0
28	9	1	18	1	0
29	10	0	19	2	0
30	0	0	19	1	0
31	0	—	19	1	—
Mean	8	3	13	12	1
Max.	10	13	19	21	11
Min.	0	0	0	0	0
A. F.	495	190	810	745	100
Water divert-	Acreage Reported		1810		
ed 2340 A. F.	D-690				

BUREAU OF IRRIGATION

605

SPOHN CANAL				
From North Platte River—1946				
Day	May	June	July	Aug. Sept.
1	0	0	5	4 0
2	0	0	5	5 0
3	0	0	5	3 0
4	0	0	6	3 0
5	0	0	1	2 0
6	0	0	1	4 0
7	0	0	1	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	3	0	0 0
14	0	1	0	0 0
15	0	1	0	0 0
16	0	5	0	1 0
17	0	8	0	1 0
18	0	8	1	0 0
19	0	0	4	0 0
20	0	0	4	0 0
21	0	0	4	0 0
22	0	0	4	0 0
23	0	0	4	0 0
24	0	0	3	0 0
25	0	0	3	1 0
26	0	0	3	1 0
27	0	0	3	1 0
28	0	0	2	1 0
29	0	0	3	1 0
30	0	0	5	1 0
31	0	---	3	0 0
Mean	0	1	2	1 0
Max.	0	8	6	5 0
Min.	0	0	0	0 0
A. F.	0	52	139	56 0
Water diverted 247 A. F.		Acreage Reported		
		D-801 867		
		D-803R 172		

SUBURBAN DIVERSION				
From North Platte River—1946				
Day	May	June	July	Aug. Sept.
1	0	48	50	95 36
2	0	35	65	97 36
3	0	47	71	112 43
4	0	30	73	109 48
5	0	81	67	75 52
6	0	81	69	61 61
7	0	67	77	85 54
8	0	59	61	77 77
9	0	133	69	69 129
10	0	116	56	81 18
11	0	101	97	83 10
12	0	107	95	107 7
13	0	120	97	71 7
14	0	107	105	39 7
15	0	95	101	85 14
16	0	112	73	95 15
17	0	116	83	87 34
18	0	148	101	81 31
19	0	137	89	109 48
20	0	116	91	87 27
21	0	87	89	91 27
22	79	61	87	101 13
23	83	39	93	118 13
24	39	27	93	129 17
25	75	48	91	97 33
26	27	79	95	107 59
27	20	69	97	107 56
28	17	69	95	57 47
29	38	63	85	54 47
30	67	63	83	40 42
31	65	---	71	42 0
Mean	18	82	83	86 37
Max.	89	148	105	129 129
Min.	0	27	50	39 7
A. F.	1110	4880	5100	5250 2200
Water diverted 18540 A. F.		Acreage Reported		
		D-662 6352		

Total 1039

SUTHERLAND DIVERSION												
From North Platte River—1946												
Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1550	0	1550	1240	306	657	75	1260	675	1580	1500	1500
2	1560	0	1480	1240	305	652	75	1420	729	1590	1500	1510
3	1570	0	1440	1170	306	655	65	1470	731	1570	1500	1510
4	1530	0	1460	1170	307	664	60	1490	734	1570	1500	1520
5	1310	0	1470	846	306	670	35	1550	731	1580	1500	1520
6	954	0	1460	808	302	648	35	1570	729	1570	1500	1510
7	663	0	1450	706	303	643	35	1530	738	1570	1500	1530
8	501	0	1430	523	323	645	35	1560	738	1570	1500	1480
9	423	0	1460	513	327	630	35	1560	746	1570	1500	1500
10	384	0	1460	504	530	634	35	1580	738	1560	1500	1500
11	167	0	1460	474	605	643	35	1560	752	1580	1500	1520
12	0	0	1460	483	619	632	35	1580	750	1580	1510	1530
13	0	0	1460	477	636	627	35	1580	750	1570	1510	1530
14	0	0	1410	472	636	632	35	1580	759	1570	1510	1530
15	0	125	1350	473	636	643	30	1580	763	1570	1510	1530
16	0	400	1230	474	637	652	100	1580	763	1550	1520	1470
17	0	448	1220	468	639	598	370	1550	767	1590	1520	1250
18	0	607	1220	373	639	618	420	1530	866	1580	1520	1040
19	0	836	1220	327	639	589	403	1540	1110	1580	1530	838
20	0	1000	1220	311	639	509	390	1500	1290	1580	1550	654
21	0	1250	1220	301	639	492	410	1380	1460	1570	1550	559
22	0	1420	1240	284	643	440	417	1330	1600	1560	1540	454
23	0	1510	1230	284	641	318	406	1310	1610	1560	1540	351
24	0	1530	1230	288	645	216	446	1280	1610	1550	1530	238
25	0	1540	1220	293	593	221	593	1170	1600	1540	1520	141
26	0	1510	1210	302	572	176	710	1120	1210	1520	1510	50
27	0	1540	1210	303	639	135	822	1130	462	1520	1510	25
28	0	1540	1200	305	648	95	866	1150	1300	1510	1500	0
29	0	1540	1190	307	---	85	916	1120	1560	1510	1490	0
30	0	1550	1200	309	---	75	1100	937	1590	1510	1490	0
31	0	---	1220	307	---	75	---	854	---	1300	1500	---
Mean	342	612	1332	527	524	483	301	1398	995	1559	1512	993
Max.	1570	1550	1550	1240	648	670	1100	1580	1610	1590	1550	1530
Min.	0	0	1190	284	302	75	30	854	462	1500	1490	0
A. F.	21060	36390	81880	32420	29080	20600	17900	85990	59230	95860	92950	59090
Water diverted 641540 A. F.												

SUTHERLAND RESERVOIR SYSTEM
Storage in Sutherland, Regulator, and Forebay Reservoirs, Combined
Total Live Storage in Acre-feet—1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58492	35088	33035	54200	51188	52076	55521	20816	42665	44392	47487	49438
2	60269	35689	35067	55531	50360	52624	54328	21531	42875	44633	47078	49589
3	61507	32303	37373	56460	49933	53117	52809	21820	42640	44932	46915	50249
4	63649	31603	37059	56688	49153	53102	51332	22458	43283	46050	46014	50652
5	65020	30268	37639	57776	48359	52779	50382	23476	43558	46289	47022	51139
6	66088	28930	39278	58894	46813	53424	49769	24258	43746	46683	47049	51314
7	66298	27673	40483	59410	46464	53162	49744	24840	43802	47386	47035	52573
8	65869	26383	41882	59581	46149	52902	48508	25405	43265	48178	47045	54544
9	65988	24772	43172	59925	46392	52517	46863	25774	43602	48557	46872	57034
10	65492	24306	43504	59350	47124	53133	45743	26376	43393	48817	46688	58175
11	46625	23442	44251	58774	46761	52913	44123	27272	42962	48550	47309	58549
12	63753	21765	44943	59147	46464	52922	42958	28205	43064	48386	47156	59866
13	63926	20874	45127	59780	46770	52962	41381	28542	42894	48985	47198	61791
14	62615	19544	45851	59949	47035	52953	40320	30256	42803	48168	47205	63607
15	60989	18639	45699	59542	47305	53109	39855	30997	45002	48195	47086	65274
16	58956	18198	46244	59480	47993	54380	37154	32268	42139	48277	47112	66089
17	57289	17856	46353	59609	48666	55373	35883	33248	40536	48249	47272	66934
18	55226	18315	46549	59982	48160	55714	34572	33976	40419	48086	47400	67561
19	53480	18754	46996	59551	48255	56592	33187	35095	41552	47923	47282	67865
20	52507	19317	47187	59462	48179	56866	32057	35768	43123	48841	46832	67652
21	51573	19429	46596	59223	49034	57339	31945	35922	44027	48658	46903	66904
22	49762	21197	48031	58518	49651	58231	31101	36013	45546	48441	46750	67396
23	47320	22074	48085	57664	50187	58399	29589	36253	44704	48086	46611	66904
24	46396	22222	48788	57301	51107	58571	28107	37194	45609	47814	46091	65623
25	44820	23691	49542	56572	51457	58166	26677	38547	45467	47814	46393	64383
26	43165	25410	49989	55244	51714	58137	24964	40194	45170	47814	46479	62867
27	41227	26330	50387	55209	51774	57768	23953	40520	43450	47514	46505	61231
28	40859	28169	50814	54685	51948	57141	22936	40802	42573	48032	47441	58844
29	39542	29827	51763	54437	-----	56941	21672	41025	42387	48059	47345	57508
30	38200	31542	52122	53562	-----	56852	20924	42185	44304	47677	48439	57057
31	36560	-----	53496	52435	-----	56623	-----	42467	44292	47269	-----	-----

Reported by Platte Valley Public Power and Irrigation District.

SUTHERLAND POWER RETURN

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	664	590	515	458	539	224	172	1028	454	1097	1085	784
2	417	557	368	465	538	87	258	763	229	1033	1039	930
3	405	524	783	485	224	0	307	898	390	1097	1120	815
4	329	250	618	426	315	325	414	949	413	599	1083	907
5	309	378	714	324	515	517	211	719	354	874	994	977
6	237	535	429	143	504	241	56	873	442	944	1028	874
7	195	496	493	192	340	382	17	909	420	545	1078	576
8	322	511	516	249	198	417	372	948	516	958	1020	180
9	292	466	450	207	239	308	555	957	452	899	1097	249
10	360	321	942	235	0	21	526	944	516	911	1083	553
11	360	161	846	215	354	471	511	873	494	1055	774	944
12	319	489	902	192	439	367	457	404	314	1082	1067	192
13	284	493	900	0	272	234	489	843	379	1121	1033	135
14	178	497	813	241	233	210	301	964	425	1100	1118	320
15	575	486	833	350	256	201	493	843	471	1066	1103	206
16	503	289	645	293	145	190	562	772	504	1093	1047	484
17	459	288	831	217	37	0	509	792	617	1002	1065	505
18	560	108	671	235	577	36	787	807	462	1185	1006	461
19	516	416	794	254	193	12	892	604	52	1139	1068	239
20	511	409	694	27	147	23	504	788	113	1067	1202	157
21	182	720	835	198	37	44	28	911	574	833	1139	264
22	643	370	781	143	112	29	819	772	1051	1047	1130	0
23	633	650	657	286	42	56	794	939	655	1197	1146	537
24	570	850	673	214	0	0	809	862	966	1214	1080	543
25	623	539	604	286	105	120	858	320	1043	1068	1049	558
26	634	503	749	411	207	67	1037	75	1137	1166	999	611
27	563	706	710	159	227	37	1060	642	1130	1079	921	600
28	221	466	789	236	304	175	960	739	947	1099	870	654
29	469	448	712	342	-----	26	1121	712	844	1024	874	202
30	494	463	478	439	-----	40	1057	265	669	1199	780	408
31	546	-----	593	573	-----	0	-----	443	-----	1195	851	-----
Mean	430	466	687	274	253	156	561	753	567	1031	1028	495
Max.	664	850	942	573	577	517	1121	1028	1137	1214	1202	977
Min.	178	108	368	0	0	0	17	75	52	545	774	0
A.F.	26540	27730	42320	16860	14080	9640	33590	46330	33700	63430	63270	29480

Water returned 407060 A. F.

THIRTY MILE DIVERSION
From Platte River—1946

Day	Oct.	Nov.	Apr.	May	June	July	Aug	Sept.		
1	116	24	0	162	84	136	334	150		
2	99	0	0	172	95	154	329	158		
3	103	0	0	162	86	153	331	158		
4	104	0	0	150	81	156	331	156		
5	97	0	0	159	78	159	330	150		
6	91	0	0	157	72	161	326	145		
7	81	0	0	157	81	151	327	147		
8	79	0	0	160	86	133	323	127		
9	80	0	0	157	82	130	316	96		
10	82	0	0	157	85	132	177	91		
11	84	0	0	141	120	130	152	94		
12	85	0	0	117	129	134	163	98		
13	88	0	0	118	124	149	168	76		
14	87	0	0	119	121	148	70	59		
15	83	0	0	119	118	158	12	57		
16	71	0	0	115	122	155	7	53		
17	70	0	0	116	133	149	3	49		
18	69	0	0	119	150	139	2	56		
19	71	0	0	119	140	141	2	73		
20	77	0	0	115	136	139	2	65		
21	77	0	0	116	137	149	2	59		
22	79	0	11	120	150	167	75	59		
23	79	0	73	122	150	217	150	57		
24	81	0	86	129	137	245	150	56		
25	80	0	95	120	154	267	165	53		
26	80	0	118	105	148	280	159	51		
27	80	0	151	127	156	300	168	49		
28	82	0	164	128	148	298	160	51		
29	78	0	155	114	150	311	157	51		
30	77	0	155	96	147	319	151	51		
31	76	---	---	77	---	330	154	---		
Mean	84	1	33	130	120	187	163	86		
Max.	116	24	164	172	156	330	334	158		
Min.	69	0	0	77	78	130	2	49		
A. F.	5130	47	2000	8020	7140	11480	10320	5150		
Water diverted	49290	A. F.							Acreage Reported	
								A-1853	19214	
								A-1976	3635	
								A-2077	320	
								Total	23169	

TRI-COUNTY DIVERSION
From Platte River—Sec. 8-13-29 W.—1946

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2020	1520	1350	1640	1520	1390	1180	2010	1600	1940	2030	1920
2	1820	1540	1400	1600	1560	1200	1290	2120	1400	1950	2030	1840
3	1740	1520	1690	1580	1480	1090	1310	2010	1460	1970	2080	1840
4	1680	1190	1490	1620	1640	1220	1370	2040	1370	1770	2080	1800
5	1650	1420	1680	1670	1680	1440	1320	1870	1350	1800	2040	1820
6	1580	1420	1470	1700	1540	1220	1080	1890	1270	1920	2040	1610
7	1410	1410	1580	1720	1700	1570	940	2060	1210	1800	2070	1420
8	1430	1480	1480	1680	1790	1450	1150	2050	1160	1910	2030	1280
9	1420	1420	990	1780	1450	1430	1600	1900	1110	1890	2020	1680
10	1460	1270	1350	1750	1500	1290	1750	1980	1430	1800	2000	1810
11	1360	1170	1430	1680	1630	1680	1680	2000	1580	1950	1950	2060
12	1340	1350	1490	1330	1850	1860	1580	1520	1380	2010	2000	1330
13	1210	1450	1460	1380	1730	1660	1530	1680	1330	2000	2030	1050
14	1200	1480	1470	1430	1490	1590	1400	1870	1640	1980	2040	990
15	1480	1380	1420	1490	1700	1540	1470	1700	1780	2020	1830	1150
16	1600	1250	1370	1470	1640	1780	1420	1460	1770	2090	1810	1260
17	1390	1210	1440	1560	1530	1850	1520	1470	1960	2100	1810	1370
18	1550	1120	1460	1610	1730	1700	1540	1480	2090	2120	1860	1320
19	1440	1270	1510	1620	1610	1560	1770	1260	2100	2130	1950	1180
20	1380	1320	1470	1390	1450	1500	1620	1420	2080	2090	2070	960
21	1140	1410	1500	1210	1300	1460	820	1470	2010	1980	2090	930
22	1410	1010	1490	1480	1320	1460	1430	1410	2050	2110	2110	790
23	1550	1340	1450	1640	1200	1400	1510	1510	1810	2130	2150	990
24	1460	1670	1500	1360	1180	1340	1460	1960	1930	2080	2150	1080
25	1490	1680	1380	1600	1200	1350	1480	1780	1890	2060	2110	1060
26	1580	1580	1550	1460	1300	1450	1630	1230	1940	2120	2100	1120
27	1530	1440	1580	1390	1400	1450	1600	1460	1990	2070	2110	1100
28	1180	1450	1570	1140	1390	1380	1530	1610	1950	2070	2120	970
29	1340	1440	1590	1520	-----	1430	1670	1830	1950	2040	2060	770
30	1400	1400	1620	1190	-----	1220	1880	1870	1850	2080	1930	960
31	1480	-----	1620	1280	-----	1160	-----	1780	-----	2060	1810	-----
Mean	1475	1387	1479	1515	1518	1455	1451	1732	1681	2001	2015	1315
Max.	2020	1680	1690	1780	1850	1860	1880	2120	2100	2130	2150	2060
Min.	1140	1010	990	1140	1180	1090	820	1230	1110	1770	1810	770
A.F.	90680	82530	90940	93180	84280	89500	86340	106510	100050	123060	123890	78270
Water diverted	1149230	A. F.										
	A-2354	and A-2355										

REPORT OF THE STATE ENGINEER

TRI-COUNTY CANAL, JEFFREY POWER RETURN

Day	To Platte River—Sec. 25-12-27 W.—1946												
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
1	0	45	0	0	0	0	0	372	45	385	712	161	
2	0	47	0	0	0	0	0	216	93	432	745	376	
3	0	62	0	0	0	0	0	92	91	452	737	374	
4	0	45	0	0	0	0	0	194	88	485	717	370	
5	0	45	0	0	0	0	0	278	90	470	668	346	
6	52	46	0	0	0	0	0	278	93	495	630	334	
7	44	46	0	0	0	0	0	278	176	488	520	306	
8	0	45	0	0	0	0	0	280	294	508	541	286	
9	0	45	0	0	0	0	0	278	330	518	570	212	
10	0	34	0	0	0	0	0	282	332	562	380	112	
11	24	0	0	0	0	0	0	280	385	606	288	119	
12	50	0	0	0	0	0	0	280	430	712	294	117	
13	78	0	0	0	0	0	0	280	470	782	155	87	
14	100	0	0	0	0	0	0	280	515	646	35	71	
15	72	0	0	0	0	0	0	280	518	641	0	75	
16	49	0	0	0	0	0	0	282	518	535	41	70	
17	48	0	0	0	0	0	0	280	579	302	136	66	
18	48	0	0	0	0	0	0	280	412	234	236	63	
19	48	0	0	0	0	0	0	280	183	207	352	63	
20	72	0	0	0	0	0	0	280	185	94	390	64	
21	50	0	0	0	0	0	0	302	185	25	390	63	
22	50	0	0	0	0	0	0	52	370	185	16	500	64
23	48	0	0	0	0	0	0	147	372	190	146	498	64
24	46	0	0	0	0	0	0	146	226	306	248	241	67
25	45	0	0	0	0	0	0	144	132	378	292	0	67
26	44	0	0	0	0	0	0	268	133	378	292	0	64
27	44	0	0	0	0	0	0	398	250	385	292	0	64
28	44	0	97	0	0	0	0	398	330	378	338	0	63
29	44	0	214	0	0	0	0	390	328	385	392	0	69
30	43	0	64	0	0	0	0	385	326	382	490	0	68
31	44	0	0	0	0	0	0	185	0	581	0	0	0
Mean	38	15	12	0	0	0	0	77	268	299	408	315	144
Max.	100	62	214	0	0	0	0	398	372	579	782	745	376
Min.	0	0	0	0	0	0	0	92	45	16	0	0	63
A. F.	2350	910	740	0	0	0	0	4620	16470	17810	25100	19390	8580

Water returned 95970 A. F.

TRI-COUNTY CANAL, JOHNSON POWER RETURN

Day	To Platte River—1946											
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	529	1171	1057	704	1258	1349	1256	614	964	317	1294	102
2	841	1373	923	1003	1202	1077	1359	685	658	659	926	160
3	839	797	1413	1000	603	697	1122	833	1068	591	426	325
4	1130	411	1449	1171	1118	1233	882	138	1057	381	309	356
5	1112	995	1408	1282	1117	1343	934	9	994	377	393	336
6	912	1002	1054	735	1074	1248	917	346	1172	570	428	518
7	471	1085	1073	1240	1028	1311	580	421	1152	257	167	742
8	1411	1140	1002	1681	1210	1240	1150	433	1119	533	242	481
9	1365	880	1149	1585	1250	1149	930	390	380	395	247	618
10	1445	810	1288	1471	716	588	958	710	1117	186	196	498
11	1241	672	1384	1464	1351	938	799	450	1064	443	249	682
12	1268	1032	1399	1513	1389	939	571	111	977	515	276	725
13	1180	1013	1372	692	1224	945	455	622	929	522	340	699
14	799	1014	1369	1402	1302	1142	204	760	926	25	336	694
15	1239	1035	1038	1451	1348	1296	561	832	812	196	330	221
16	1183	1080	946	1488	1348	1185	696	975	96	82	335	741
17	1169	1147	1151	1436	1130	482	730	885	675	78	335	811
18	1197	500	774	1430	1382	1122	742	959	442	37	394	743
19	1122	1133	803	1349	1468	1295	646	609	272	44	259	649
20	1116	1218	744	827	1414	1489	741	890	113	165	263	572
21	712	1311	671	1363	1454	1562	569	879	66	151	424	618
22	993	1326	549	1405	1394	1688	762	989	22	385	396	581
23	1122	1573	589	1448	1209	1768	503	1035	40	454	357	745
24	1095	1248	577	1431	715	1121	516	1252	6	353	342	696
25	1158	800	190	1457	1215	1549	414	1065	7	502	265	581
26	1034	1159	429	1412	1362	1708	318	359	8	601	389	714
27	1031	1058	697	702	1291	1472	284	914	91	697	331	869
28	563	1029	684	1264	1354	1059	45	1001	14	353	294	625
29	1049	775	746	1432	-----	1268	208	973	14	487	122	381
30	1205	1007	377	1477	-----	1330	342	1125	76	355	47	415
31	1180	-----	964	1301	-----	676	-----	1173	-----	647	364	-----
Mean	1055	1026	944	1278	1215	1202	673	724	544	366	357	563
Max.	1445	1573	1449	1488	1468	1768	1359	1252	1172	697	1294	869
Min.	471	411	190	692	603	482	45	9	6	25	47	102
A.F.	64890	61080	58055	78580	67470	73225	40050	44510	32380	22530	22125	33520

Water Returned 599105 A. F.

A-2354.

TRI-STATE DIVERSION					
From North Platte River—1946					
For Farmers Irrigation District and Preferred Rights					
Day	May	June	July	Aug.	Sept.
1	0	331	800	882	678
2	0	172	739	905	658
3	0	167	697	908	645
4	0	233	693	918	589
5	0	298	697	924	541
6	0	574	708	928	534
7	140	624	715	928	581
8	321	548	704	929	667
9	385	570	673	929	691
10	61	640	664	929	683
11	0	760	745	929	664
12	0	838	829	929	650
13	188	844	840	920	655
14	191	819	837	920	654
15	534	850	839	908	614
16	600	850	847	880	571
17	500	891	838	873	526
18	500	933	843	854	511
19	500	865	839	839	524
20	600	757	841	831	515
21	586	735	929	797	499
22	600	743	929	789	472
23	665	736	920	861	455
24	638	750	902	781	456
25	550	800	929	850	460
26	550	800	910	838	453
27	550	800	912	884	450
28	550	800	894	852	410
29	550	800	883	848	376
30	550	800	869	812	242
31	487	---	885	781	---
Mean	348	677	818	876	547
Max.	665	933	929	929	691
Min.	0	167	664	781	242
A. F.	21410	40320	50280	53860	32580
Water divert-			Acreage Reported		
ed 198450 A. F.			D-918	63036	
			A-660	3595	
			Total	66821	

UNION DIVERSION					
Diverted from Blue Creek—1946					
Day	May	June	July	Aug.	Sept.
1	8	8	6	16	2
2	5	8	4	16	4
3	2	8	4	16	7
4	3	7	5	15	7
5	6	6	6	13	8
6	6	0	7	14	10
7	3	0	8	15	15
8	0	0	8	13	6
9	0	4	8	15	0
10	0	13	9	16	0
11	0	13	10	15	0
12	0	13	10	14	0
13	0	12	7	10	0
14	0	12	5	9	0
15	0	13	6	12	0
16	0	13	8	14	0
17	0	15	10	14	0
18	9	16	12	14	0
19	9	16	13	14	0
20	12	15	17	14	0
21	12	11	17	13	0
22	12	8	18	14	0
23	15	7	19	15	0
24	8	4	19	14	0
25	1	6	19	14	0
26	2	7	18	13	0
27	0	6	18	4	0
28	9	7	17	1	0
29	10	8	17	0	0
30	8	7	18	0	0
31	9	---	16	2	---
Mean	5	9	12	12	2
Max.	15	16	19	16	15
Min.	0	0	4	0	0
A. F.	295	520	710	730	120
Water divert-			Acreage Reported		
ed 2375 A. F.			D-763	1233	

WINTERS CREEK DIVERSION

From North Platte River—1946

Day	Apr.	May	June	July	Aug.	Sept.
1	0	27	2	20	19	18
2	0	26	1	24	18	14
3	0	23	2	36	17	4
4	0	14	2	30	23	0
5	0	12	3	30	25	0
6	0	10	5	23	25	12
7	0	10	9	16	25	21
8	0	10	9	14	25	18
9	0	8	7	18	24	16
10	0	7	7	15	20	15
11	0	4	11	11	10	13
12	0	3	17	16	16	13
13	0	4	25	18	22	13
14	0	4	25	16	20	13
15	0	4	25	16	18	13
16	0	2	27	16	16	14
17	0	1	24	15	16	16
18	0	1	14	15	19	16
19	0	1	15	18	19	8
20	0	1	12	16	16	4
21	0	4	15	19	17	3
22	0	4	15	19	18	2
23	0	7	14	20	17	3
24	0	8	13	21	17	9
25	0	6	13	22	18	8
26	0	4	16	21	17	5
27	17	3	17	24	19	5
28	26	2	20	25	20	5
29	28	3	30	23	21	0
30	28	2	21	22	17	0
31	.....	1	.....	20	16	.....
Mean	3	7	14	20	19	9
Max.	28	27	30	36	25	21
Min.	0	1	1	11	10	0
A. F.	200	430	820	1230	1170	560
Water divert- ed 4410 A. F.				Acreage Reported D-952 2746		

WINTERS CREEK DIVERSION

From Winters Creek—1946

Day	Apr.	May	June	July	Aug.	Sept.
1	0	37	0	45	40	35
2	0	44	0	54	39	33
3	0	45	0	42	40	28
4	0	41	0	37	43	23
5	0	43	21	36	48	24
6	0	40	35	36	52	28
7	0	38	41	39	56	34
8	0	41	41	37	61	34
9	0	48	42	38	46	41
10	0	37	42	49	47	56
11	0	11	40	50	49	43
12	0	0	44	51	50	22
13	0	0	54	45	57	12
14	0	0	57	45	59	1
15	0	0	51	46	55	1
16	0	0	53	44	42	1
17	0	0	52	34	35	27
18	0	0	39	38	32	0
19	0	0	50	41	30	0
20	0	10	60	33	29	0
21	0	0	20	35	36	42
22	0	0	22	36	48	46
23	0	4	38	73	41	28
24	0	0	34	59	37	32
25	0	0	37	55	38	37
26	25	0	45	64	46	45
27	45	0	45	50	49	48
28	35	0	49	46	49	54
29	32	0	47	49	44	54
30	33	0	30	48	42	41
31	.....	0	.....	43	39	.....
Mean	6	16	37	45	45	26
Max.	45	48	60	73	61	56
Min.	0	0	0	33	29	0
A. F.	340	950	2220	2500	2740	1560
Water divert- ed 10610 A. F.				Acreage Reported A-1446 2968 O. D. D-952		

WINTERS CREEK LATERAL

From Winters Creek—1946

Day	May	June	July	Aug.	Sept.
1	9	0	4	4	5
2	6	0	4	11	7
3	6	0	4	8	14
4	0	0	0	11	14
5	0	22	8	12	18
6	0	18	10	10	10
7	0	15	10	8	5
8	0	15	10	10	8
9	0	17	8	7	10
10	0	12	5	13	4
11	0	13	10	9	4
12	0	12	16	10	6
13	0	14	15	9	6
14	0	8	13	4	0
15	0	5	13	7	5
16	0	3	18	6	5
17	0	12	14	4	0
18	0	14	6	6	0
19	0	3	7	7	0
20	0	3	5	7	0
21	0	3	5	9	0
22	0	3	15	6	14
23	13	8	6	11	7
24	0	4	8	8	10
25	0	8	10	4	10
26	0	11	14	0	26
27	0	11	10	5	9
28	0	10	8	9	9
29	0	15	20	9	10
30	0	4	13	5	10
31	0	.....	8	5	.....
Mean	1	9	10	8	7
Max.	13	22	20	13	18
Min.	0	0	0	0	0
A. F.	70	520	590	460	450
Water diverted 2090 A. F.	D-952.				

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Capron Canal—Greenwood Creek.....	375
Carpenter Canal—Turkey Creek.....	375
Cartwright Pump—Ash Creek.....	322	375
Casteel Pump—Clear Creek.....	375
Castle Rock Canal—North Platte River...	554	586
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Chadron Reservoir, Above Sec. 19-32-48.....	244	277

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Cob Creek—Loup City.....	278
Cody-Dillon Canal—North Platte River....	554	587
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Cold Water Canal—Cold Water Creek....	377
Cold Water Creek—Sec. 34-18-46.....	245	278
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Cook Canals—Niobrara River.....	325	378
Cooper Canals—White Clay Creek.....	325	378
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Cozad Canal—Platte River.....	555	588
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Crigler Canal—Lawrence Fork Creek.....	326	379
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	1945	1946	1945	1946
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Dawson County Canal—Platte River.....	556	589
Dawson County Drain No. 2—Darr.....	246	280	481 514
Dead Horse Creek:				
Chadron.....	249	280
Loup City.....	280
Deer Creek—Boelus.....	280
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Dickinson Canals—Lodgepole Creek.....	326	380
Dismal River—Dunning.....	209	514
Dodd-McDowell Canals—Little Cotton- wood.....	327	380
Dodd-McDowell Canals—Dodd Reservoir.....	327
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	Station Descrip- tion	Measure- ments		Daily Discharge	
		1945	1946	1945	1946
Elkhorn River:					
Neligh	210	.....	.....	482	516
Norfolk	210	.....	.....	.....	516
Waterloo	210	.....	.....	482	517
Elm Creek:					
Elm Creek	248	.....	483	515
Ord	282	.....	.....
Elm Creek Canal—Platte River.....	557	590
Elmer Canal—Indian Creek.....	329	.....	.....	.....
Empire Canal—North Platte River.....	382	557	.....
Engell-Sims Pump—Frenchman River.....	382	.....	.....
Enterprise Canal—Niobrara River.....	382	.....	.....
Enterprise Canal—North Platte River.....	557	590
Enterprise Canal—Stewart and Morrill Drains	590
Enterprise Canal—Tub Springs.....	558	591
Enterprise Canal—Wet Spotted Tail Creek	558	590
Enterprise Canal—Winters Creek.....	382
Excelsior Canal—Niobrara River.....	329	383

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Fitzgerald Pump—Red Willow Creek.....	383
Fletcher Pump—Beaver Creek.....	384
Follett-Krotter Canal—Frenchman River.....	383
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	1945	1946	1945	1946
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Culbertson	213	485	520
Enders	485	519
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Hamlet	212	484	519
Imperial	212	284	484	518
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Gallup Canal—Chadron Creek.....	329 384
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Gering Canal—North Platte River.....	559	592
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Gering Drain—Gering.....	213	249	486
Glass Pump—Mud Creek.....	385
Gordon Creek—Kennedy.....	284
Gordon Creek—Valentine.....	.....	249 284	.....	.....
Gordon Creek—Various Locations.....	.....	284	.....	.....
Gothenburg Canal—Platte River.....	.....	.....	559	592
Gothenburg Irrigation Canal—Platte River .....	.....	.....	560	593
Gothenburg Power Return to Platte River .....	.....	.....	560	593
Graf Canal—Blue Creek and Crescent Lake .....	.....	.....	560	593
Gravel Creek—Sec. 9-14-36.....	.....	249 285	.....	.....
Greenwood Creek—Sec. 26-19-50.....	.....	285	.....	.....
Grote Canal—Grote Reservoir.....	.....	385	.....	.....
Grote Spring—Sec. 3-32-56.....	249
Gruvers Pump—Frenchman River.....	385
Guernsey Reservoir (Storage 438, 453)....
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Hall Canal—White River.....	330 386
Hall Pump—Muddy Creek.....	386

	Station Descrip- tion	Measure- ments		Daily Discharge	
		1945	1946	1945	1946
Handel Pump—Frenchman River.....	386	.....	.....
Hannah Canal—North Platte River.....	330	.....	.....	.....
Harper Canal—Clear Creek.....	396	.....	.....
Harris-Neece Canal—Niobrara River.....	330	386	.....	.....
Harry Canal—Norman Reservoir.....	331	386	.....	.....
Hartzell Canal—Little Bordeaux Creek....	331	387	.....	.....
Haskel Creek—Ord.....	285	.....	.....
Hat Creek—Various Locations.....	285	.....	.....
Hays Creek—Arcadia.....	285
Helm Pump—Red Willow Creek.....	387
Henry Heermann Pump—Mud Creek.....	387
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HitsheW Canal—Niobrara River.....	331	387
Holcombe Canal—Pawnee Creek.....	388
Hollingsworth Canal—South Platte River	331	388
Holly Canal—Boggy Creek.....	332	.....	.....	.....
Hooper Canal—Blue Creek.....	561	594
Hoover Canal—Lodgepole Creek.....	332	388	.....	.....
Hopeful Canal—Lawrence Fork.....	389	.....	.....
Horse Creek—Lyman.....	214	.....	.....	486	520
Horse Creek Canal—Horse Creek.....	389	.....	.....
Houchin Pump—Republican River.....	389	.....	.....
Howard Canal—Lodgepole Creek.....	322	389	.....	.....
Hoyt Pump—Driftwood Creek.....	389	.....	.....
Hughes Canal—Niobrara River.....	332	389
Hurley - Lilly - Polly Canal—Lodgepole Creek.....	333	390	561

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Independent Canal—Lodgepole Creek.....	333	390
Indian Creek:					
Northport Wye.....	250	286	487	521
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Station Description	Measure- ments		Daily Discharge	
	1945	1946	1945	1946
J				
James Canal—James Reservoir.....		390		
Jenkins Canal—Buffalo Creek.....		390		
Jim Creek—Various Locations.....	250	286		
Jim Creek Canal—Jim Creek.....	333			
Johnson Canal—Lodgepole Creek.....	334	391		
Johnson Pump—Turkey Creek.....		391		
Johnson Canal—Niobrara River.....	333	391		
Jones Canal—Lodgepole Creek.....	334	391		
Jordan Canal—Monroe Creek.....	334			
Jordan Canals—Monroe Creek and Jordan Reservoir.....	335	392		
Jungles Pump—Mud Creek.....		392		
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Kara Lake Canal—Rock Creek.....		392		
Kearney Canal—Platte River, Buffalo and Elm Creeks.....			562	595
Kearney Power Return to Platte River.....			562	595
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Keldson Pump—Fox Creek.....		393		
Kelso Canal—Big Bordeaux Creek.....	335	393		
Kent-Burke Canal—Pawnee Creek.....		393		
Kerr Pump—Melrose Creek.....		394		
Keystone Canal—White Tail Creek.....		394		
Kilpatrick Canal—Kilpatrick Reservoir.....		394		
Kimball Canals—Lodgepole Creek and Oliver Reservoir.....		394	563	596
King Canals—Lawrence Fork.....		395		
Kingsley Dam Seepage—Various Locations.....	252	288		
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Krausnich Pump—Frenchman River.....		396		
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Station Description	Measure- ments		Daily Discharge	
	1945	1946	1945	1946
L				
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Laing Canal—Lawrence Fork.....	337	397
Lakotah Canal—Niobrara River.....	338	397
Lane Drain—Sec. 30-23-57.....	254	290
Lane Pump—Beaver Creek.....	.....	397	.....	.....
Lang Pump—Mud Creek.....	.....	397	.....	.....
Larabee Creek—Sec. 6-34-44.....	254	290	.....	.....
Larsen Pumps—Mud Creek.....	.....	398	.....	.....
Last Chance Canal—Pumpkinseed Creek..	.....	398	566	599
Lawrence Fork—Various Locations.....	254	291	.....	.....
Lee Canal—Boardman Creek.....	.....	398	.....	.....
Leui Pump—Wagner Creek.....	.....	398	.....	.....
Libby Canals—Lodgepole Creek.....	338	399	.....	.....
Lichte Canals—Niobrara River.....	339	400	.....	.....
Lillian Creek—Walworth.....	.....	291	.....	.....
Lincoln County Drain No. 1—North Platte	255	.....	487	521
Lincoln County Drain No. 2—Sec. 12-14-33	255	291	.....	.....
Lisco Canal—North Platte River.....	.....	.....	567	599
Lodgepole Creek:				
Bennett Reservoir—Sec. 28-15-55.....	.....	292	.....	.....
Bushnell .....	.....	.....	488	521
Chappell	258	295	.....	.....
Dix	257	292	.....	.....
Kimball	256	294	.....	.....
Krueger Lake—Sec. 29-14-48.....	257	293	.....	.....
Lodgepole	258	294	.....	.....
Oliver Reservoir—Sec. 31-15-56.....	256	292	487	.....
Potter	257	292	.....	.....
Ralton-Colorado-Nebraska Line.....	259	295	.....	.....
Sidney	257	293	.....	.....
Sunol	258	294	.....	.....
Various Locations.....	.....	293	.....	.....
Miscellaneous Locations.....	.....	295	.....	.....
Wyoming-Nebraska Line.....	256	292	.....	.....
Logan Canal—North Platte River.....	339	.....	.....	.....
Logan Canal—Pumpkinseed Creek.....	339	.....	.....	.....
Logan Creek—Uehling.....	215	.....	488	522
Lonergan Creek—Lemoyne.....	259	296	.....	.....
Lost Creek—Oshkosh.....	.....	296	.....	.....

	Station Descrip- tion	Measure- ments		Daily Discharge	
		1945	1946	1945	1946
Loup River:					
Columbus	216	.....	.....	489	523
Genoa	215	.....	.....	489	522
Loup River, Middle:					
Arcadia	217	.....	.....	490	524
Dunning	216	.....	.....	.....	523
St. Paul	217	.....	.....	491	525
Walworth	217	.....	.....	490	524
Loup River, North:					
Brewster	219	.....	.....	.....	525
Scotia	219	.....	.....	492	526
St. Paul	220	.....	.....	492	527
Taylor	219	.....	.....	491	526
Loup River, South:					
Cumro	221	.....	.....	.....	527
Ravenna	221	.....	.....	493	528
St. Michael	221	.....	.....	493	528
Lundy Power Canal—Middle Loup River .....	.....	.....	400	.....	.....
Luther Pump—Mud Creek.....	.....	.....	400	.....	.....
Lynch-Buker Pump—Medicine Creek.....	.....	.....	401	.....	.....
Lyngholm Canal—Lodgepole Creek.....	340	401
Lyons Canal—North Platte River.....	567	599

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McAuliffe Canals—Lodgepole Creek.....	340	401
McCarthy Canal—White Tail Creek.....	340	402
McCarthy Pump—Sappa Creek.....	.....	.....	402	.....	.....
McDonald Canal—Republican River.....	.....	.....	402	.....	.....
McDowell Canal—English Creek.....	.....	341	.....	.....	.....
McFadden Pump—Mud Creek.....	.....	.....	402	.....	.....
McFarland Canal—White Clay Creek.....	.....	341	402	.....	.....
McGinley-Stover Canals—Niobrara R.....	.....	341	402	.....	.....
McIntosh Canal—Lodgepole Creek.....	.....	342	403	567	599
McKeon Pump—Mud Creek.....	.....	.....	403	.....	.....
McLaughlin Canal—Lodgepole Creek.....	.....	342	403	.....	.....
McLaughlin Canals—Niobrara River.....	.....	342	404	.....	.....
McLernon Canal—Lodgepole Creek.....	.....	.....	404	.....	.....
McMillan Canal—Middle Loup River.....	.....	.....	404	.....	.....
McMurtrey Canal—Gordon Creek.....	.....	.....	404	.....	.....
McNeil Pumps—Mud Creek.....	.....	.....	404	.....	.....
Maranville Canal—Frenchman River.....	.....	.....	405	.....	.....

Station Descrip- tion	Measure- ments		Daily Discharge	
	1945	1946	1945	1946
Martens Pump—Big Bordeaux Creek.....	343	405	.....	.....
Martin Pump—Republican River.....	.....	405	.....	.....
Maywood Mills—Medicine Creek.....	.....	405	.....	.....
Medicine Creek—Cambridge.....	222	.....	494	529
Meeker Canal—Republican.....	.....	405	.....	.....
Melbeta Drain—Melbeta.....	259	296	494	529
Mendell Canal—Republican River.....	.....	405	.....	.....
Meredith—Ammer Canal—Pumpkinseed Creek .....	.....	.....	568	600
Meridian Canal—Niobrara River.....	343	406	.....	.....
Mettlen Canal—Niobrara River.....	343	406	.....	.....
Meyer Pump—Republican River.....	.....	405	.....	.....
Michel Pump—Mud Creek.....	.....	406	.....	.....
Middle Loup Public Power and Irrigation District:				
Canal No. 1—Middle Loup River....	406
Canal No. 2—Middle Loup River....	407
Canal No. 3—Middle Loup River....	407
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Minatare Canal—North Platte River.....	568	600
Minnehaduzza Creek—Valentine.....	259	296
Minshull-Kohls Pump—Mud Creek.....	.....	408	.....	.....
Mira Creek—North Loup.....	.....	297	.....	.....
Mirage Flats Canal—Niobrara.....	.....	408	.....	.....
Mitchell Canal—North Platte River.....	.....	.....	568	600
Mitchell Canal—Lodgepole Creek.....	.....	409	.....	.....
Monroe Canal—Monroe Creek, Big.....	343	409	.....	.....
Monroe Creek:				
Above Jordan Reservoir, Sec. 14-33-56 .....	.....	260	297	.....
Below Jordan Reservoir, Sec. 23-33-56 .....	.....	260	297	.....
Below Monroe Canal, Sec. 33-33-56..	.....	260	297	.....
Above and below Jordan Canal, Sec. 22-23-56 .....	.....	260	297	.....
Monroe Creek, Big—Various Locations....	.....	297	.....	.....
Monroe Creek, Little—Sec. 27-33-56.....	.....	298	.....	.....
Montague Canal—Niobrara River.....	344	409	.....	.....
Montague-Lichte Canal—Niobrara River	410
Moore Canal—Niobrara River.....	344	410
Morris Pump—Beaver Creek.....	410

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		1945	1946	1945	1946
Mud Creek—Sweetwater.....	222	530
Muhlach Pump—Mud Creek.....	410
Munson Creek—Elba.....	298
Mutual Canal—Pumpkinseed Creek.....	344	410

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Naab Pump—North Loup River.....	410
Naslund Canal—Lodgepole Creek.....	344	410
Nelson Pump—Medicine Creek.....	411
Nelson Pump—Mud Creek.....	.....	.....	411	.....	.....
Nemaha River—Falls City.....	223	.....	.....	495	530
Neuman Canals—Lodgepole Creek.....	.....	345	411	.....	.....
Newton Canal—North Loup River.....	.....	.....	411	.....	.....
New York Creek—Herman.....	223	.....	.....	.....	531
Niehus Canal—Lawrence Fork.....	.....	345	411	.....	.....
Nine Mile Canal—North Platte River.....	.....	.....	.....	569	601
Nine Mile Drain—McGrew.....	223	.....	.....	495	531
Niobrara River:					
Agate .....	.....	260	299	.....	.....
Butte .....	.....	261	.....	.....	.....
Boxbutte Reservoir, Above.....	224	.....	.....	.....	532
Boxbutte Reservoir, Below.....	224	.....	.....	496	532
Gordon	225	261	533
Harrison	260	298
Marsland	261	299
Mirage Flats Diversion:					
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Sparks	225	533
Spencer	225	261	496	534
Valentine	261	299
Whistle Creek below mouth of Sec. 7-28-53	261	299
Wyoming-Nebraska State Line.....	.....	260	298	.....	.....
Nissen Pump—Spring Creek.....	.....	.....	412	.....	.....
Norman Canals—Indian Creek.....	.....	346	412	.....	.....
Norman Supply Canal—Indian Creek.....	.....	346	412	.....	.....
Norman Canal—White River.....	.....	346	412	.....	.....
North Loup River Public Power and Irrigation District:					
Burwell-Sumpter Canal—North Loup River .....	.....	.....	412	.....	.....

Station Description	Measure- ments		Daily Discharge	
	1945	1946	1945	1946
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Taylor-Ord Canal—North Loup River	414
North Platte Canal—North Platte River....	569	601
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Northport Canal—No. Platte R. and Pathfinder Res.....	414	570	601

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Oberfelder Canal—Lodgepole Creek.....	346	414
O'Donnell Canal—Big Bordeaux Creek....	347	415
Ohme Pump—Middle Loup River.....	.....	.....	415	.....
Oliver Brothers Canal—Frenchman River .....	.....	.....	415	.....
Oliver Pump—Frenchman River.....	.....	.....	415	.....
Oliver Reservoir—Lodgepole Creek (Stor- age 571, 602).....	.....	.....	.....	.....
Olson Pump—Republican River.....	.....	.....	415	.....
Omaha Creek—Homer.....	226	.....	.....	534
Ord-North Loup Canal—North Loup River .....	.....	.....	413	.....
Orchard-Alfalfa Canal—Platte River.....	.....	.....	572	602
Oshkosh Canal—North Platte River.....	.....	.....	572	602
Otter Creek—Lemoine.....	.....	262	300	.....
Owasco Canal (Bay State Lateral)— Lodgepole Creek.....	347	415	572
Ox Yoke Canal—Ash Creek.....	347	416

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Paine Canal—Paine Reservoir.....	416
Paisley Canal—Blue Creek and Crescent Lake	573 603
Palmer Canal—Niobrara River.....	416
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Pawnee Creek—Brady.....	262	300
Paxton-Hershey Canal—North Platte River	573 603
Peetz Pump—Lodgepole Creek.....	416
Perry Pump—Beaver Creek.....	417
Persinger Canals—Lodgepole Creek.....	347	417
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		1945	1946	1945	1946
Phelan Canal—Rock Creek.....	417
Pine Creek—Colclessner Mill, Sec. 33-30-44	262	300
Pioneer Canals—Niobrara River.....	.....	348	417	.....	.....
Platte Rivers:					
Platte River, North:					
Alcova Reservoir (Storage 437, 452)	191	.....	.....	.....	.....
Alcova Reservoir, Outflow of (437, 452) .....	.....	.....	.....	.....	.....
Bridgeport	193	.....	.....	441	456
Guernsey Reservoir (Storage 438, 453)	191	.....	.....	.....	.....
Guernsey Reservoir, Inflow of (438, 453) .....	.....	.....	.....	.....	.....
Guernsey Reservoir, Outflow of (439, 454) .....	.....	.....	.....	.....	.....
Keystone	195	.....	.....	443	458
Kingsley Reservoir Storage (564, 597) .....	.....	.....	.....	.....	.....
Lewellen	195	.....	.....	442	457
Lisco	194	.....	.....	441	456
Minatare	193	.....	.....	440	455
Mitchell	192	.....	.....	440	455
North Platte	196	.....	.....	444	459
Oshkosh	194	.....	.....	442	459
Pathfinder Reservoir Storage (436, 451) .....	.....	.....	.....	.....	.....
Seminoe Reservoir Storage (436, 451) .....	.....	.....	.....	.....	.....
Sutherland	196	.....	.....	443	458
Whalen, Below.....	192	.....	.....	.....	.....
Wyoming-Nebraska Line	192	.....	.....	439	454
Platte River, South:					
Julesburg	197	.....	.....	444	.....
North Platte	198	.....	.....	445	460
Paxton	197	.....	.....	445	459
Platte River:					
Ashland	202	.....	.....	449	463
Brady	198	.....	.....	446	460
Cozad	199	.....	.....	446	461
Duncan	201	.....	.....	448	463
Grand Island	200	.....	.....	448	462

	Station Descrip- tion	Measure- ments		Daily Discharge	
		1945	1946	1945	1946
Odessa	200	.....	.....	447	462
Overton	200	.....	.....	447	461
Plum Creek—Smithfield.....	226	.....	.....	.....	535
Plunkett Canals—Reservoirs.....	348	418
Plunkett Reservoir Canal—Prairie Dog (Little Red) Creek.....	417
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Prairie Dog Creek:					
Kansas-Nebraska Line, Woodruff, Kans.	226	535
Prairie Dog Creek, Sec. 26-33-56	263
Schilt-Prairie Dog Canal, Sec. 35-33-56 .....	.....	262	300	.....	.....
Premier Canal—Lodgepole Creek.....	.....	349	418	.....	.....
Puelz Pump—Beaver Creek.....	.....	.....	418	.....	.....
Pumpkinseed Creek:					
Bridgeport	227	497	536
Gering - Kimball Highway, Sec. 4-19-55	263	301
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Ralton Canal—Lodgepole Creek.....	349	418
Ramey Pump—Indian Creek.....	419
Ramshorn Canal—North Platte River....	573	604
Randall Canal—Lawrence Fork.....	.....	350	419	.....	.....
Rasser Bros. Canal—Elm Creek.....	.....	.....	419	.....	.....
Red Creek, Little—Sec. 34-33-56.....	.....	263	301	.....	.....
Red Willow Creek:					
Bayard	227	.....	.....	497	536
North of McCook.....	228	.....	.....	498	537
Red Willow	228	.....	.....	498	537
Republican River:					
Bloomington	231	.....	.....	501	540
Cambridge	231	.....	.....	.....	539
Colorado-Nebraska Line	229	.....	.....	499	538
Culbertson	230	.....	.....	500	539
Hardy	232	.....	.....	501	540
Max	230	.....	.....	499	538

	Station Descrip- tion	Measure- ments		Daily Discharge	
		1945	1946	1945	1946
Republican, South Fork—Benkelman.....	230	.....	.....	499	538
Riverside Canal—Frenchman River .....	.....	.....	419	.....	.....
Riverside Pump—Republican River .....	.....	.....	419	.....	.....
Rock Creek:					
Parks	232	.....	.....	502	538
Rockville .....	.....	.....	301	.....	.....
Rogers Canal—Pumpkinseed Creek.....	350	.....	.....	.....	.....
Round House Rock Canal—Pumpkinseed Creek	350
Runge Canal—Lodgepole Creek.....	350	420
Runge Pump—Lodgepole Creek.....	419
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Sappa Creek:						
Beaver City	233	502	541
Stamford	233	542
Sarben Slough—Sarben.....	264	301
Schick Pump—Fox Creek.....	.....	.....	.....	421	.....	.....
Schilt-Cedar Creek Canal—Cedar Creek .....	.....	.....	351	421	.....	.....
Schilt-Monroe Canal—Monroe Creek.....	.....	.....	351	421	.....	.....
Schilt-Prairie Dog Canal—Prairie Dog Creek .....	.....	.....	351	421	.....	.....
Schnell Canal—Pumpkinseed Creek .....	.....	.....	351	.....	.....	.....
Schultz Pump—Mud Creek.....	.....	.....	.....	421	.....	.....
Scott Canal—Pumpkinseed Creek.....	.....	.....	351	.....	.....	.....
Scott Pump—Clear Creek.....	.....	.....	.....	422	.....	.....
Scottsbluff Drain No. 1—Sec. 25-22-55.....	.....	.....	264	302	503	.....
Scottsbluff Drain No. 2—Sec. 4-22-54.....	.....	.....	264	302	.....	.....
Scout Creek—North Platte.....	.....	.....	265	302	.....	.....
Scripter Canal—Clear Creek.....	.....	.....	.....	422	.....	.....
Seegrist Canal—Indian Creek.....	.....	.....	352	.....	.....	.....
Seminole Reservoir (Storage 436, 451).....	.....	.....	.....	.....	.....	.....
Severns Pump—Frenchman River.....	.....	.....	.....	422	.....	.....
Sheep Creek—Morrill.....	234	.....	.....	.....	503	542
Sheldon Canal—East Ash Creek.....	.....	.....	352	422	.....	.....
Shepherd Canal—Squaw Creek.....	352
Sheridan-Wilson Canal—North Platte River	574	604

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	1945	1946	1945	1946
Sheridan-Wilson Canal—Sarben Slough.....	574
Short Line Canal—North Platte River.....	574	604
Sielaff Pump—Beaver Creek.....	.....	422	.....	.....
Signal Bluff Canal—North Platte River.....	352	.....	.....	.....
Silvernail Drain—Sec. 6-19-49.....	265	303	504	543
Simons Canal—Little Cottonwood Creek..	352	422	.....	.....
Six Mile Canal—Platte River .....	.....	.....	574	604
Skochdopole Pump—Beaver Creek.....	.....	422	.....	.....
Skunk Creek—Keystone.....	265	303	.....	.....
Slattery Canal—Jim Creek and Caladonia Reservoir	352	423	.....	.....
Slattery Canal—Dead Horse Creek.....	353	423	.....	.....
Smith Canal—Boggy Creek.....	353	423	.....	.....
Smith - Wheeler Canal — Pumpkinseed Creek	353
Snake Creek—Sec. 8-24-48.....	265	303
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Soderquist Canal—Lodgepole Creek.....	353	423
Soldier Creek:				
Fort Robinson, Above Reservoir.....	266
James Dam—Sec. 3-31-53.....	266
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Sow Belly Creek—Various Locations.....	266	304
Sow Belly Canals—Sow Belly Creek.....	354	423
Spohn Canal—North Platte River.....	.....	.....	575	605
Spotted Tail Creek, Dry—Mitchell.....	267	304	504	543
Spotted Tail Creek, Wet—Scottsbluff.....	267	304	.....	.....
Spring Branch Canal—Lawrence Fork.....	354	424
Spring Creek:				
Cushing	305
Sec. 34-33-55.....	305
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Wyoming-Nebraska Line, Sec. 4-23-58	267	305
Spring Creek Canal No. 1—Spring Creek	354
Squaw Creek:				
McDowell Reservoir, Above—Sec. 12-31-52	267	305	.....	.....
McDowell Reservoir, Below—Sec. 1-31-52	268	305	.....	.....
Stephenson Pump—Republican River.....	.....	424	.....	.....
Stevenson Pump—Sappa Creek.....	424
Stinking Water Creek—Wauneta.....	234	504	543

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	1945	1946	1945	1946
Strever Creek—Overton.....	268	505	544
Stuart-Maple Canal—Little Cottonwood Creek	355	424
Stuart Brothers Canals—Little Cotton- wood Creek.....	355	424	.....	.....
Stuht Pump—Lodgepole Creek.....	.....	425	.....	.....
Stumph Canal—East Ash Creek.....	356	425	.....	.....
Suburban Canal—North Platte River.....	.....	.....	575	605
Sutherland Power Return.....	.....	.....	576	606
Sutherland Canal—North Platte River.....	.....	.....	575	605
Sutherland Reservoir System—North Platte River (Storage 576, 606)
Sylvan Dell Canal—Driftwood Creek.....	425

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Taylor-Ord Canal—North Loup River....	414
Thirty Mile Canal—Platte River.....	577	617
Thomas Canal—East Ash Creek.....	356	425	.....	.....
Thomas Canal—Big Bordeaux Creek.....	356	425	.....	.....
Thomas Stuart Canal—Little Cottonwood Creek	357	425	.....	.....
Thorstensen Pump—Lodgepole Creek.....	.....	426	.....	.....
Tobin Canal—Lodgepole Creek.....	357	426	.....	.....
Todd Canal—East Ash Creek.....	357	426	.....	.....
Toohey Drain—Sec. 20-23-56.....	268	.....	.....	.....
Towne Pump—Medicine Creek.....	.....	426	.....	.....
Tracy Canal—Lodgepole Creek.....	358	427	.....	.....
Tracy Pump—Mud Creek.....	.....	426	.....	.....
Trails End Canal—Pumpkinseed Creek....	358	.....	.....	.....
Tri-County Canal—Platte River.....	.....	.....	577	607
Tri-County Canal, Jeffrey Power Return to Platte River .....	.....	.....	578	608
Tri-County Canal—Johnson Power Re- turn to Platte River.....	.....	.....	578	608
Tri-County Drain—Sec. 14-11-26.....	.....	306	.....	.....
Tridle Pump—Medicine Creek.....	.....	427	.....	.....
Tri-State Canal—North Platte River (see Farmers Irr. Dist.).....	.....	.....	579	609
Tri-State Canal—Dry Spotted Tail Creek..	358
Tri-State Canal—Alliance Drain.....	427
Trognitz Canal—Lodgepole Creek.....	427

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	1945	1946	1945	1946
Trunk Butte Creek—Sec. 25-33-50.....	268	306
Tub Springs—Above Enterprise Canal Sec. 33-23-55.....	269	306	505	544
Tub Springs—Below Enterprise Canal, Sec. 32-23-55.....	269	306	.....	.....
Tub Springs—Sec. 8-22-55.....	269	306	.....	.....
Turkey Creek—Dannebrog.....	.....	307	.....	.....
Turner Reservoir Canals—Turner Reser- voirs	358
Turtle Creek—Elyria.....	307

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Union Canal—Blue Creek.....	580	609
Urbach Canal—Lodgepole Creek.....	358	428

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Valdez Canals—Cedar Creek.....	359	428
Valley Reservoir Diversion—Bell Creek....	428
Versaw Pump—Center Creek.....	428

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Wagner Creek—Comstock.....	307
Wagner Pump—Mud Creek.....	428
Wallace Creek—Scotia.....	307
Walker Canal—Lodgepole Creek.....	.....	428	.....	.....
Warbonnet Canals—Warbonnet Creek.....	359	429	.....	.....
Warbonnet Creek:				
Warbonnet Canal, Sec. 21-33-56.....	269	307	.....	.....
Warbonnet Canal, Sec. 20-33-56.....	269	307	.....	.....
Warden Pump—Republican River.....	.....	429	.....	.....
Warneke Canal—Niobrara River.....	359	429	.....	.....
Watson Pump—Turkey Creek.....	.....	429	.....	.....
Wearin Canal—Lodgepole Creek.....	360	430
Weber Pump—Beaver Creek.....	430
Wells Pump—North Loup River.....	430

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	1945	1946	1945	1946
Wengert Pump—Turkey Creek.....		430		
West Pump—Mud Creek.....		430		
Western Canal—South Platte River.....			580	610
White Clay Creek—Crawford.....	269	307		
White Clay, Above Whitney Diversion— Sec. 26-32-52.....		270 307		
White Clay Creek—Sec. 6-34-44.....	270	308		
White Horse Creek—Gannett.....	270	308		
White River Canals—White River.....	360	430		
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Wickersham Canals—Boggy Creek.....	360	431		
Wiegand Canals—Lodgepole Creek.....	361	431		
Wiggle Creek—Loup City.....		309		
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Wilds Canals—Lodgepole Creek.....	362	432		
Williams Pump—Beaver Creek.....		432		
Willoughby Pump—Mud Creek.....		432		
Wilson Pump—Mud Creek.....		433		
Winters Creek—Scottsbluff.....			505	544
Winters Creek Canal—North Platte River	235		581	611
Winters Creek Canal—Winters Creek.....			581	611
Winters Creek Lateral—Winters Creek...			587	611
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Wolf Canal—Lodgepole Creek.....	363	433		
Wood Pump—Beaver Creek.....		433		
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Yokel Pump—Turkey Creek.....		434		
Young Pump—Bushy Creek.....		434		

Station Descrip- tion	Measure- ments		Daily Discharge	
	1945	1946	1945	1946
Z				
Zerbst Canals—Little Red Creek.....	363	434	.....	.....
Zimmerman Canal—Sow Belly Creek.....	364	434	.....	.....
Zinnel Pump—Beaver Creek.....	.....	434	.....	.....