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Natural Resources Commission

SEVENTH BIENNIAL REPORT

OF THE

STATE ENGINEER

SECRETARY

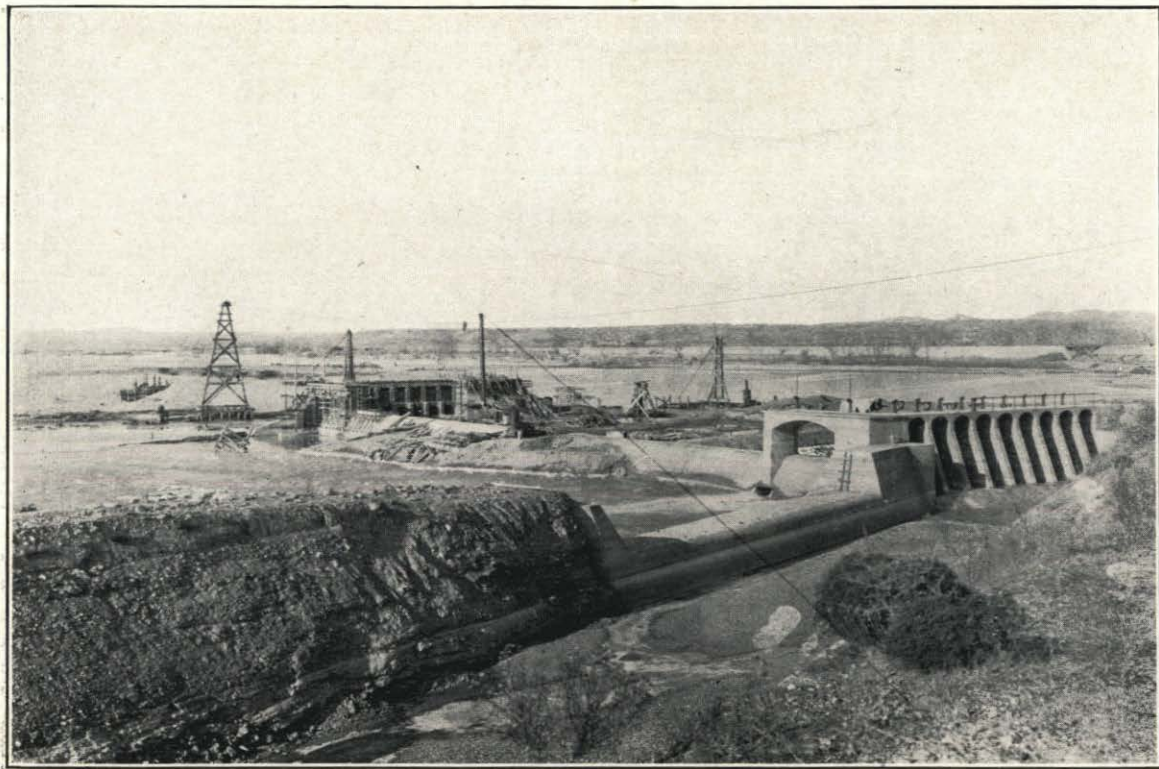
OF THE

STATE BOARD OF IRRIGATION

TO THE

GOVERNOR OF NEBRASKA

—
1907-1908



DIVERSION DAM INTERSTATE CANAL, DEC. 1908.

SEVENTH BIENNIAL REPORT

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TO THE

GOVERNOR OF NEBRASKA

—

1907-1908

LINCOLN, NEBR., November 30, 1908

To His Excellency, George L. Sheldon, Governor of Nebraska:

SIR—In compliance with the provisions of law, I have the honor to transmit herewith the sixth biennial report of the transactions of the State Board of Irrigation, being for the years 1907 and 1908.

Yours very respectfully,
ADNA DOBSON,
State Engineer, Secretary.

**LIST OF OFFICERS IN CHARGE OF PUBLIC WATERS IN
NEBRASKA**

STATE BOARD OF IRRIGATION

GEORGE LAWSON SHELDON, Governor.

WM. T. THOMPSON, Attorney General.

H. M. EATON, Commissioner of Public Lands and Buildings.

ADMINISTRATIVE OFFICERS.

GEORGE LAWSON SHELDON, Governor.

ADNA DOBSON, State Engineer, Secretary.

GEC. W. BATES, Assistant Secretary.

H. O. SMITH, Under Secretary for Division 1.

PAGE T. FRANCIS, Under Secretary for Division 2.

FANNIE E. GILMORE, Clerk and Stenographer.

UNDER ASSISTANTS.

G. DURAND, Water District No. 1, Water Division No. 1-A.

ROBT. H. WILLIS, Water District No. 2, Water Division No. 1-A

II. H. PROUTY, Water District No. 1 Water Division No. 1-E

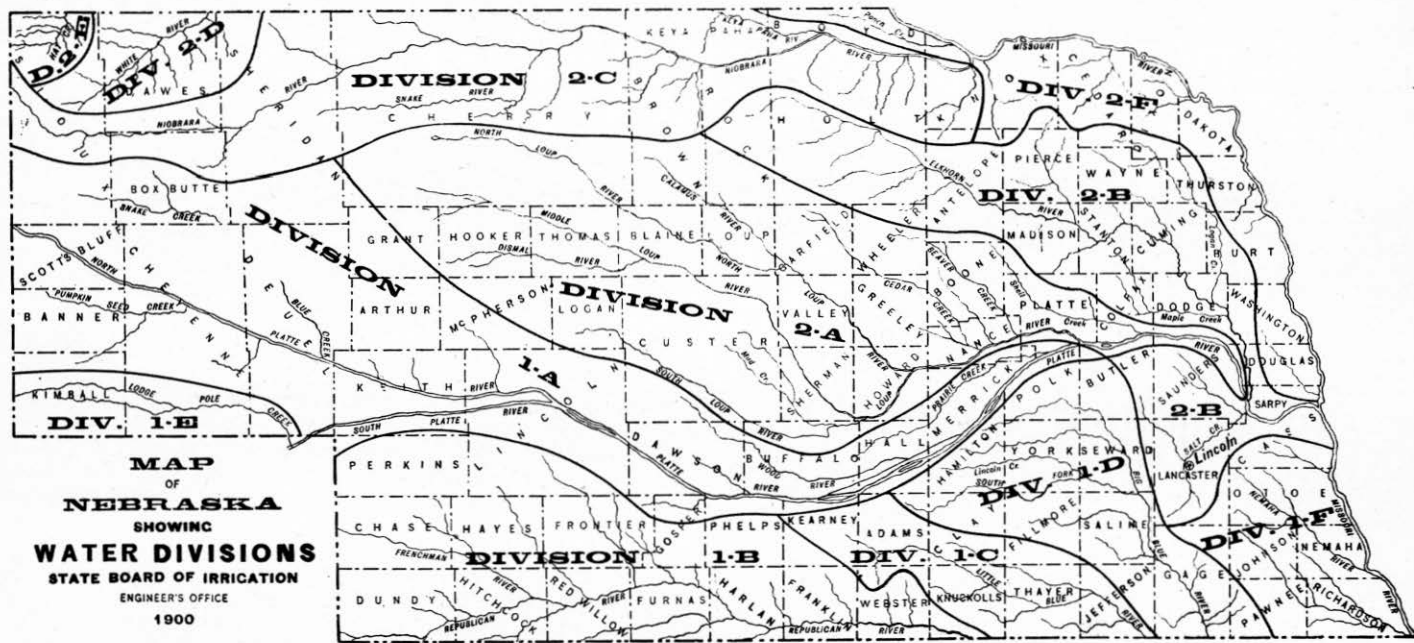
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DIV. 2-D
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 DIVISION 2-D
 AWES

DIVISION 2-C

DIV. 2-F

DIVISION

DIVISION 2-A

DIV. 2-B

DIV. 1-E

1-A

2-B

DIV. 1-D

DIVISION 1-B

DIV. 1-C

DIV. 2-E

WATER DIVISIONS AND WATER DISTRICTS.

Sections 1 and 2, article II, of the Nebraska Irrigation Law, divides the state into two Water Divisions, denominated Water Division No. 1 and Water Division No. 2, respectively.

Water Division No. 1 includes "all of the irrigable 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 said Platte rivers."

Water Division No. 2 includes "all irrigable lands that may be watered from the Loup, White, Niobrara and Elkhorn rivers and their tributaries, and all other irrigable lands of the state not included in any other water division."

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, 2-F, as shown by the accompanying map.

Under the provisions of section 33, article II, Nebraska Irrigation Law, water districts have been created as follows:

Water District No. 1, Water Division No. 1-A, includes the watersheds of Blue Creek, Clear Creek, and that part of the North Platte river lying in the counties of Keith and Deuel.

Water District No. 2, Water Division No. 1-A, includes the watersheds of the Pumpkinseed, Lawrence and Greenwood Creeks, and all that part of the North Platte river lying within Cheyenne and Scotts Bluff counties.

Water District No. 3, Water Division No. 1-A, includes that part of the watershed of the Platte river and its tributaries lying in Lincoln, Dawson, Gosper, Phelps and Buffalo counties.

Water District No. 1, Water Division No. 1-B, includes the counties of Chase, Dundy, Hitchcock and Red Willow.

Water District No. 1, Water Division No. 1-E, includes the watersheds of the South Platte river and Lodge Pole creek in Nebraska.

REVIEW OF THE WORK OF STATE BOARD OF IRRIGATION.

On November 30th, 1906, when the 6th biennial report of the Secretary was made, there were eighteen claims pending covering water rights which were deemed to have been acquired prior to the passage of the 1895 irrigation law, and twenty applications for a permit to appropriate water and six petitions for extensions of time in which to complete irrigation works. During the last biennium there have been filed seventy-six applications for a permit to appropriate water, one petition for a permit to change location of headgate, twenty petitions for extension of time in which to complete irrigation works, twenty-three proofs of appropriation of water under applications for a permit, thirty-two maps showing irrigation works and one plan of proposed dam, and three applications for a permit have been returned corrected. There have also been filed two contests and one petition to set aside the former decision of the Board and make a new finding allowing the claim. There have been no appeals from the action of the Secretary to the State Board of Irrigation.

During the same period, three claims have been allowed and one dismissed. Sixty-two applications for a permit to appropriate water have been approved, and ten dismissed. One hundred and two certificates of appropriation have been issued, and thirty-nine certificates are made out ready to be issued upon payment of fees. Seventy-four permits have been cancelled for the reason that the law has not been complied with, the work completed and the water applied within the time allotted. One application for permit to relocate headgate has been allowed, seventeen petitions for extension of time in which to complete irrigation works and apply the water to the beneficial use have been allowed and three dismissed.

Hearings were held before the State Board of Irrigation at its office in Lincoln on July 9th, 1907, November 19th, 1907, and December 19th, 1907. The hearing in the matter of the contest of H. C. McNew v. Elisa Bruss was held at Chappell, Nebraska, on August 11th, 1908, and the hearing in the matter of the claims of the Lamar Roller Mills, Docket No. 1013, the Champion Roller Mills, Docket No. 179, and the Wauneta Mills, Docket No. 178, was held at Imperial, Chase County, Nebraska, on October 29th, 1908. There has been no appeal from the action of the State Board of Irrigation to the Courts.

There now remain on file in this office, fourteen claims, twenty-eight applications for a permit to appropriate water, and six petitions for extension of time in which to complete works. The following table gives

a detailed description of each claim or application allowed or dismissed. Another table gives a complete list of all rights acquired or pending, arranged in the order of their priority on the different streams. This table shows the names of the appropriator, postoffice address, name of ditch, the use to which the water is applied, the amount of water applied for or granted, the location of the headgate, the date of priority, and the number of the docket or application.

The work of stream gagings has been carried on in cooperation with the Water Resources Branch of the United States Geological Survey. Regular gaging stations have been maintained at the following places: On the Platte River at Columbus, on the Loup River at Columbus, on the North Platte River at North Platte and Mitchell, on the Republican River at Bostwick, on the Niobrara River at Spencer and on the Little Blue River at Fairbury. This work has been done under a contract by which the Water Resources Branch of the U. S. Geological Survey pays one-half of the expense of maintaining the stations, and the state of Nebraska the other half. The greater part of the half of this work to be paid by the state has been done by regular employees of the department without incurring any extra expense. Gagings have been made at frequent intervals at each station and gage height observers have been employed to read the daily gage heights. From this data we are able to prepare a daily discharge table showing the amount of flow at each of these points. Tables have been prepared and filed herewith showing the maximum, minimum and mean in cubic feet per second and the total discharge in acre feet for the period at each of these stations. In addition to the regular stations a large number of stream measurements have been made at various points. A table has been prepared showing these measurements, and also a summary of all stream measurements made in Nebraska at points other than regular gaging stations from 1894 to 1908.

We have continued the work of procuring proofs of appropriation under permits granted since the passage of the irrigation law of 1895, and a large number of certificates have been issued, and many applications have been cancelled. We have found it very difficult to secure accurate data in these proofs of appropriation, especially in the case of the smaller canals where no engineer has been employed to make an accurate survey, and where we have no accurate record of the location of the stream and canal in this office. In many cases it has been necessary for some one from this office to make a personal investigation and survey before anything like a correct description of the lands could be obtained.

During the past season we have made a topographic survey of White River from Whitney to the South Dakota line, including its tributaries. We have a large number of appropriations from these streams, and we were unable to get accurate maps covering them. We find that such a survey is about the only method by which we are able to obtain reliable data upon which to base the allowance of applications and the issuance of certificates of appropriation.

There have been very few complaints in regard to the distribution of

water in accordance with the priorities. This is probably largely due to the fact that the rights of different appropriators have been determined, and each one knows just what he is entitled to. In a few cases, however, on the smaller streams, it has been necessary to close many of the head-gates in order to secure water for the lower appropriators and for domestic purposes along the streams. This work has been in the hands of the Under Secretaries of the different water divisions and their reports will show more in detail what they have done in this respect.

An effort has been made during the past year to secure more reliable data in regard to the water power of the various streams of the state. The law provides that every appropriator of water for any beneficial purpose shall make a filing in the office of the State Board of Irrigation. Many of the appropriators of water for power purposes, however, have not made such a filing. They have either based their rights on the use of water prior to the passage of the Irrigation Law, or in many instances they have considered that as they did not actually divert the water from the stream, it was unnecessary to make such a filing. We have endeavored to induce these appropriators to file their applications in this office for their own protection, and also that we might be able to have a more complete record.

The Water Resources Branch of the United States Geological Survey has endeavored to get a general idea of the amount of power available in the State, and also a description of the larger plants now in use. This report has not yet been published, and owing to the short time allowed for its preparation, it cannot go into the matter very much in detail. There is a vast amount of water power in the state which remains undeveloped and with the present methods of transmitting electric power for long distances with a small percentage of loss, this water power will undoubtedly be largely developed in the near future and is destined to become one of the greatest natural resources of the State.

Quite a large amount of work has been done by this office in preparing plans, specifications and estimates of cost of county bridges. A large proportion of the Counties in the eastern part of the state where steel bridges are built, have taken advantage of the law requiring the Secretary of the State Board of Irrigation to prepare these plans and have applied to this office for them. In many other cases, I think this law has worked to advantage by having plans on file so that all bidders were required to bid upon the same set of plans and specifications. A considerable amount has been received in fees for making these plans, and a large proportion of the work has been done by regular employees of the office without any additional expenditure.

The following statement shows the amount of money in the various funds on November 30th, 1906, and the amount drawn from each of these funds, and also the balance remaining unexpended which reverted to the general fund. It also shows the amount appropriated for the biennium beginning the first Wednesday in April, 1906, with the amount drawn from each of these funds to November 30th, 1908, and the balance remaining in each fund to this date. It shows also the amount of fees received by this

department during the period from November 30th, 1906, to November 30th, 1908, all of which has been paid to the State Treasurer.

FUND	Balance Nov. 30, 1906	Drawn from Bal. of Nov. 30, 1906	Balance un- used	Appropri- ation of 1907	Expended April 1, 1907 to Nov. 30, 1908	Balance Nov. 30, 1908
Secretary.....	\$1000 00	\$1000 00	.....	\$4000 00	\$3000 00	\$ 1000 00
Assist. Secretary	400 00	400 00	.....	2400 00	2000 00	400 00
Under Secretaries	1250 15	956 38	\$293 77	3200 00	1284 55	1915 45
Stenographer....	280 00	280 00	.....	1680 00	1400 00	280 00
Expenses.....	862 83	441 77	421 06	4300 00	3144 33	1155 67
Extra assistance on bridge plans	2350 00	145 75	2204 25			
Fees.....	Collect'd 811 65	Paid Treas'r \$811 65	On Hand			

APPLICATIONS APPROVED
November 30th, 1906 to November 30th, 1908

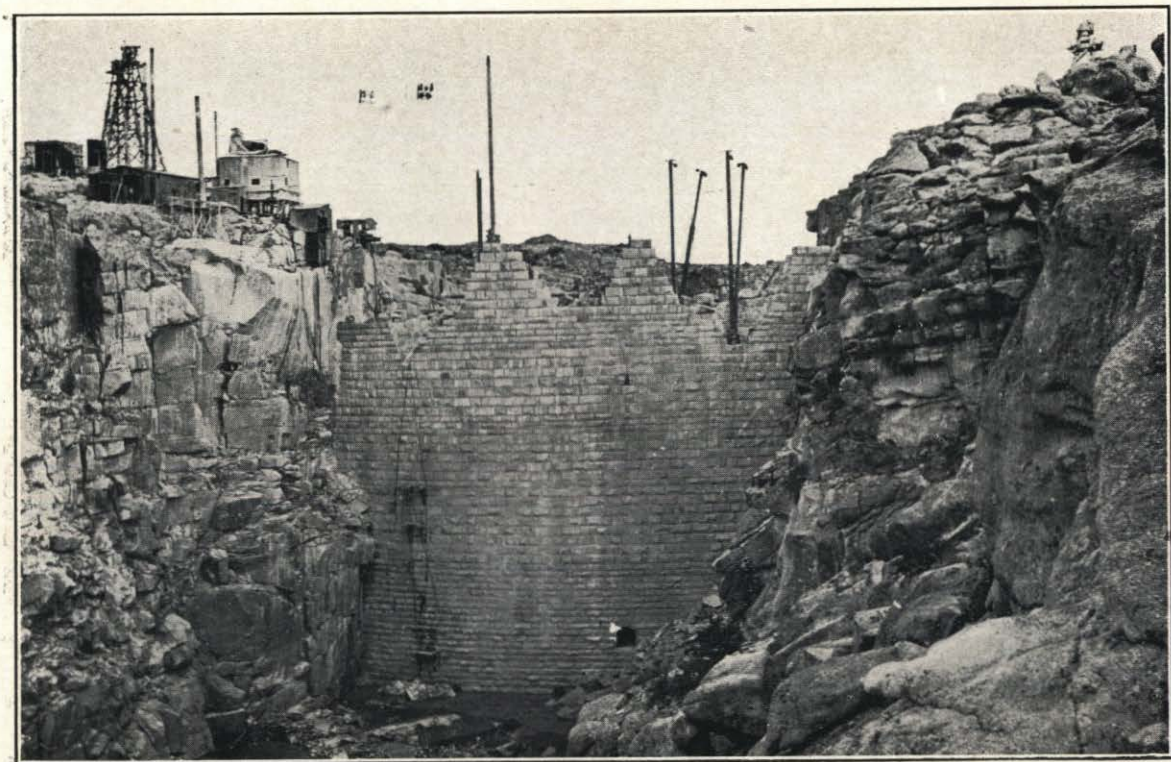
Div. No.	STREAM	APPLICANT	USE	Second feet Granted	LOCATION OF HEADGATE			DATE OF PRIORITY			Application No.
					S.	T.	R.	M.	D.	Y.	
2-D.	Ash Creek	W. C. Howard.....	Irrigation	.57	13	32	51	Aug.	27	1906	835
2-F.	Brazile Creek.....	O. H. Mass.....	Power	30.00	21	29	5	Sept.	24	1908	914
2-E.	Boggy Creek, little.....	Albert F. Hill.....	Irrigation	.86	11	32	55	Jan.	20	1908	886
2-D.	Bordeaux Creek	W. Martens.....	"	1.14	21	34	48	Jan.	14	1907	848
					36	30	54				
2-C.	Dry Canyon	Emery Gillmor.....	"	14.29	6	29	53	July	5	1907	863
2-D.	"	August Schwabe.....	"	3.46	31	34	48	July	23	1908	908
1-B.	"	James E. Girt.....	Fish	1	35	3	27	June	8	1908	905
2-E.	Dry Draw.....	John Hibbeln.....	Irrigation	2	24	35	56	Oct.	4	1907	872
1-A.	Dugout Creek, Lower.	Coote C. Mulloy.....	"	1	27	20	48	July	18	1907	865
1-A.	Greenwood Creek.....	H. T. Dean.....	"	8.85	10	18	50	Dec.	5	1906	844
1-A.	"	Sarah A. Meglemre.....	"	1.50	10	18	50	Mar.	11	1907	853
2-E.	Hat Creek.....	Z. F. Antrim.....	"	.57	3	32	55	Aug.	20	1906	834
1-A.	Kiowa Creek.....	John H. Kellums.....	"	.57	1	22	58	Nov.	29	1907	880
1-E.	Lodge Pole Creek.....	H. A. Clark	"	2	36	15	57	Nov.	15	1906	842
1-E.	"	Elisa Bruss.....	"	8.29	36	13	45	Dec.	12	1906	845
					36	13	45				
1-E.	"	H. C. McNew.....	"	19.86	12	12	45	Jan.	4	1907	847
1-E.	"	H. C. McNew.....	"	3.57	12	12	45	Aug.	18	1906	850
1-E.	"	Clarence Forsling.....	"	2.86	36	15	57	April	9	1907	857

APPLICATIONS APPROVED—Continued.
November 30th, 1906 to November 30th, 1908

Div. No.	STREAM	APPLICANT	USE	Second feet Granted	LOCATION OF HEADGATE			DATE OF PRIORITY			Application No.
					S.	T.	R.	M.	D.	Y.	
1-E.	Lodge Pole Creek.....	I. S. Walker.....	Irrigation	1.71	31	15	56	Sept.	16	1907	869
1-E.	" " ".....	Mrs. John Wilkinson.....	"	.57	12	14	59	Sept.	21	1907	870
1-E.	" " ".....	Turner Wilds.....	"	1.71	11	13	46	June	2	1908	904
1-E.	" " ".....	I. S. Walker.....	"	20,000aft.	36	15	57	April	15	1908	867
2-D.	Madden Creek.....	Phillip Trier.....	"	1.21	6	34	48	Aug.	1	1906	830
1-B.	Medicine Creek.....	Maywood Milling Co.....	Power	11.88	16	8	29	May	4	1907	858
2-B.	Middle Creek.....	Robert Malone.....	"	25	30	10	6 E	Dec.	26	1907	883
2-E.	Monroe Creek.....	Cornelius Jordan.....	Irrigation	2.29	13	33	56	Nov.	12	1906	841
2-C.	Niobrara River.....	Dunlap Irr. Co.....	"	19.46	35	29	49	April	20	1908	899
2-C.	" " ".....	Wencil Bane B. L. Fenner.....	"	3.29	27	29	48	April	21	1908	900
1-A.	North Platte River.....	D. W. White.....	"	1	18	20	51	July	20	1907	866
1-A.	" " (trib.).....	John Frazier.....	Ice	4	35	14	30	Sept.	6	1907	868
1-A.	Owl Creek.....	J. H. Kellums.....	Irrigation	2.86	12	22	58	Nov.	29	1907	879
1-A.	" ".....	J. H. Kellums.....	"	.57				Nov.	29	1907	881
1-A.	Pumpkinseed Creek.....	Daisy E. Beaty.....	"	.86	8	19	55	Sept.	1	1906	836
1-A.	" " ".....	R. Swanger.....	"	.46	29	19	50	Feb.	28	1907	851
1-A.	" " ".....	N. W. Elter E. C. Beetebenner.....	Power	25	23	19	50	Mar.	26	1907	855
1-A.	" " ".....	A. H. Pierson.....	Irrigation	10	31	20	56	Jan.	23	1908	888
1-B.	Republican River.....	T. A. Eller et al.....	"	9.14	9	2	34	July	13	1906	828
1-B.	" " ".....	H. K. Bixler.....	Power	8	24	3	29	Feb.	4	1908	889
2-D.	Rush Creek.....	H. T. Braddock.....	Irrigation	1.57	11	34	49	May	31	1906	825

APPLICATIONS APPROVED, *Continued*
 November 30th, 1906 to November 30th, 1908

Div. No.	STREAM	APPLICANT	USE	Second feet Granted	LOCATION OF HEADGATE			DATE OF PRIORITY			Application No.
					S.	T.	R.	M.	D.	Y.	
2-D.	Saw Log, East.....	Chas. Stephenson.....	Irrigation	1.14	25	31	52	Mar.	5	1907	852
2-D.	" " ".....	A. D. Baker.....	"	.29	5	30	51	Jan.	13	1908	884
2-D.	" " little.....	H. E. Stewart.....	"	.71	12	30	52	Jan.	23	1907	849
1-A.	Sheep Creek.....	Joseph Sturdivant.....	"	1.14	1	26	58	pr.	1	1907	856
1-A.	" " ".....	West Fork Ditch Co.....	"	5.14	1	26	58	Sept.	21	1907	871
1-A.	" " ".....	H. B. Cunningham.....	"	.37	11	25	58	Nov.	2	1907	875
1-A.	" " ".....	" " ".....	"	1.79	25	26	58	Nov.	2	1907	876
1-A.	" " ".....	" " ".....	"	1.29	25	26	58	Nov.	2	1907	877
1-A.	" " ".....	" " ".....	"	2.86	36	27	58	Jan.	20	1908	885
1-A.	" " ".....	" " ".....	"	2.50	2	25	58	Feb.	24	1908	890
1-A.	" " (trib.).....	Ethel A. Havey.....	"	.29	19	26	57	Oct.	25	1907	873
1-A.	South Platte.....	Wesley Tressler.....	"	4.29	16	13	39	May	7	1908	903
1-A.	Spoonhill Creek.....	Pitt Covert.....	"	3.57	36	27	58	May	18	1907	859
1-A.	Spring Creek.....	Anton Abel.....	Fish	10	32	10	21	Dec.	19	1906	846
1-B.	Stinking Water Creek.....	A. C. Troutman.....	Power	30	30	5	33	June	30	1908	907
2-F.	Tekamah Creek.....	Joseph Glasson.....	"	10	19	21	11E.	Sept.	17	1906	839
2-F.	" " ".....	" " ".....	Ice	1	19	21	11E.	Jan.	21	1908	887
2-D.	White Clay Creek.....	H. E. Stewart.....	Irrigation	.71	12	30	52	Jan.	23	1907	849
1-A.	White Tail Creek.....	W. A. Paxton.....	"	4.57	26	15	38	Nov.	30	1906	843
2-D.	White River.....	I. M. Roby.....	"	.33	3	31	52	Sept.	13	1906	838
2-D.	" " ".....	Ira J. Stephenson.....	Power	15	34	31	53	Mar.	15	1907	854
2-D.	" " (trib.).....	Sarah M. Jones.....	Irrigation	.29	9	31	51	May	20	1907	860
2-C.	Willow Creek.....	C. G. Hollibough.....	"	.46	10	29	50	pr.	20	1908	898



PATHFINDER DAM, SEPT. 1908.

APPLICATIONS DISMISSED.
November 30th, 1906 to November 30th, 1908

DIV. NO.	STREAM	NAME OF APPLICANT	LOCATION OF HEADGATE			APPLI- CATION NO.
			S.	T.	R.	
2-A....	Cedar River.....	Hord, T. B.....	1	17	7	787
1-A....	Greenwood Creek.....	Keenan, George.....	28	18	50	874
1-E....	Lodge Pole Creek.....	Walker, I. S.....	36	15	57	801
1-E....	“ “ “.....	Clark, H. A.....	31	15	56	840
1-B....	Medicine Creek.....	Maywood Milling Co.....	16	9	30	837
2-C....	Niobrara River.....	Neeland, F. A., Morrisey Tim.....	35	29	49	878
1-A....	North Platte River.....	Sands, F. M.....	4	23	58	827
1-A....	“ “ “.....	Shireman, W. H.....	24	13	40	864
1-A....	“ “ “.....	Stewart, H. G.....	3	23	58	867
2-C....	Plum Creek.....	Woods, Mark W., Woods, George J. ...	22	30	27	816

APPLICATIONS CANCELLED.
November 30, 1906 to November 30, 1908.

DIV. NO.	STREAM	NAME OF APPLICANT	LOCATION OF HEADGATE			APPLICA- TION NO.
			S.	T.	R.	
2-F	Bazile creek	Schneider, F.	34	29	5	509
2-D	Beaver creek	Serbonsek, A.	28	33	46	332
2-D	"	Dietel, Jno. M.	32	34	46	447
1-A	Blue creek	Delatour, S. P.	14	18	43	495
2-D	Bordeaux creek	Martens, Wm.	21	34	48	695
1-A	Canon creek	McCarthy, J. J.	29	15	37	15
1-A	Cedar creek	Reasor, P. J.	17	18	53	419
2-D	Chadron creek	Frick, Louis	31	32	48	396
1-A	Clear creek	Wilson, Alex.	31	15	34	384
1-A	"	Brogan, Hugh	30	15	34	417
1-A	"	Schlademan, L.	5	14	34	446
2-D	Cottonwood Creek Little	Spearman, C. K.	12	32	52	647
2-D	Deadman creek	Lindeman, Con.	7	30	52	592
2-D	Dirty creek	Wisdom, A. O.	7	33	52	435
1-A	Dugout creek	Dolph, C. E.	4	19	48	522
2-B	Elkhorn river	Atkinson Milling Co.	4	29	14	593
2-B	"	Sanders, J. E.	29	23	2 E	608
1-A	Fremont slough	Steinhauser, A. P.	1	13	32	260
1-A	"	Payne Investment Co.	18	13	30	715
1-A	"	"	18	13	30	716
2-E	Halls Draw	Geiser, Robert	33	35	54	583
1-A	Horse creek	Etchison and Roberts	34	23	58	408
2-D	Indian creek	Norman, Neils	9	32	50	554
2-D	Larabee creek	Davis, W. R.	16	34	44	361
1-E	Lodge Pole creek	Tracy, Ethan A.	12	14	59	755
1-E	"	Bruss, Elisa	36	13	45	845

APPLICATIONS CANCELLED.—Continued.

November 30, 1906 to November 30, 1908.

DIV. NO.	STREAM	NAME OF APPLICANT	LOCATION OF HEADGATE			APPLI- CATION NO.
			S.	T.	R.	
2-C	Long Pine creek	F. E. & M. V. Railroad	6	29	39	678
1-A	Lost creek	Fought, Alfred	11	17	44	710
2-C	Minnechaduza creek	Morrisey, A. M.	33	35	30	662A
2-C	Niobrara river	McConoughy, A. N.	26	29	47	157
2-C	"	Neeland, J. F.	31	29	48	529
1-A	North Deep Hole creek	McConnell, R. S.	10	18	49	328
1-A	North Platte river	Burritt, N.	2	12	28	118
1-A	"	Equitable Farm & Stock Imp. Co.	24	17	45	517
1-A	Platte river	Lucas & Ft. Kearney Irr. Co.	13	8	18	264
1-A	"	Lowell Farmers Irr. Co.	15	8	14	351
1-A	"	Millbourne, L.	2	8	20	375
1-A	"	Midway Mutual Irr. Co.	4	11	26	400
1-A	"	Lucas, J. R.	15	8	18	566
1-A	"	Midway Mutual Irr. Co.	3	11	26	586
1-A	Plum creek	Barrett, Helena E.	23	16	42	422
1-A	Pumpkin seed creek	Wilson, T. H.	17	19	53	46
1-A	"	Holloway, J. P.	28	19	50	492
1-A	Ravine	Newberry, H.	22	14	32	85
1-B	Republican river	Pickering, Jos.	9	2	34	266
1-B	"	Christianson, Neils C.	2	1	37	744
1-B	"	Bixler, Hiram K.	24	3	29	785
2-D	Sand creek	Carlson, Andrew A.	32	33	52	440
2-D	"	Carlson, Andrew A.	33	33	52	736
2-D	Sawlog creek, East	Detrich, J. L.	32	31	51	382
1-A	Sheep creek	Sturdivant, Joseph	12	26	58	182
2-A	South Loup river	Loup Valley Elec. Railway Co.	3	16	24	765

APPLICATIONS CANCELLED.—Continued.
November 30, 1906 to November 30, 1908.

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DIV. NO.	STREAM	NAME OF APPLICANT	LOCATION OF HEADGATE			APPLICA- TION NO.
			S.	T.	R.	
1-A	South Platte river	Mason, E. P.	2	13	36	130
1-A	" " "	Searle, E. M.	20	13	40	356
1-A	" " "	Paxton Irri. District	1	13	38	387
2-D	Springs	Mann, Charles	24	32	49	299
1-A	Spring creek	Saunders, L. F.	36	23	56	368
2-D	" " "	Simons, Raner	8	32	51	426
1-A	" " "	Rice, C. R.	4	19	48	462
2-D	" " "	Forbes, J. D.	20	32	52	664
2-D	Squaw creek	Duncan, Geo. W.	28	31	51	465
2-D	" " "	Barten, A.	20	31	51	552
1-D	Turkey creek	Lakin, Wm. H.	34	8	2	218
1-D	" " "	James, William	14	7	3	271
2-D	White Clay creek	Ball, R. M.	23	33	45	305
			14	33	45	306A
			13	33	45	306B
			12	33	45	306C
2-D	White Clay creek	Hutzell, Levi	14	33	45	306D
2-D	" " "	Thornton, W. A.	12	30	52	406
2-D	" " "	Brooks, James N., Bourne, Richard H.	1	34	45	756
2-D	White river	Force, Franklin	31	31	54	50
2-D	" " "	Roby, I. M.	3	31	52	579
1-A	White Tail creek	Leonard, M. J.	28	16	38	603
1-A	" " "		34	16	38	604
1-A	Wood river,	Babcock, H. E.	9	10	10	366
1-A	" " "	Sibbersen, I.	9	10	10	589

REPORT OF SECRETARY



DIVERSION DAM INTERSTATE CANAL, AUG. 1907



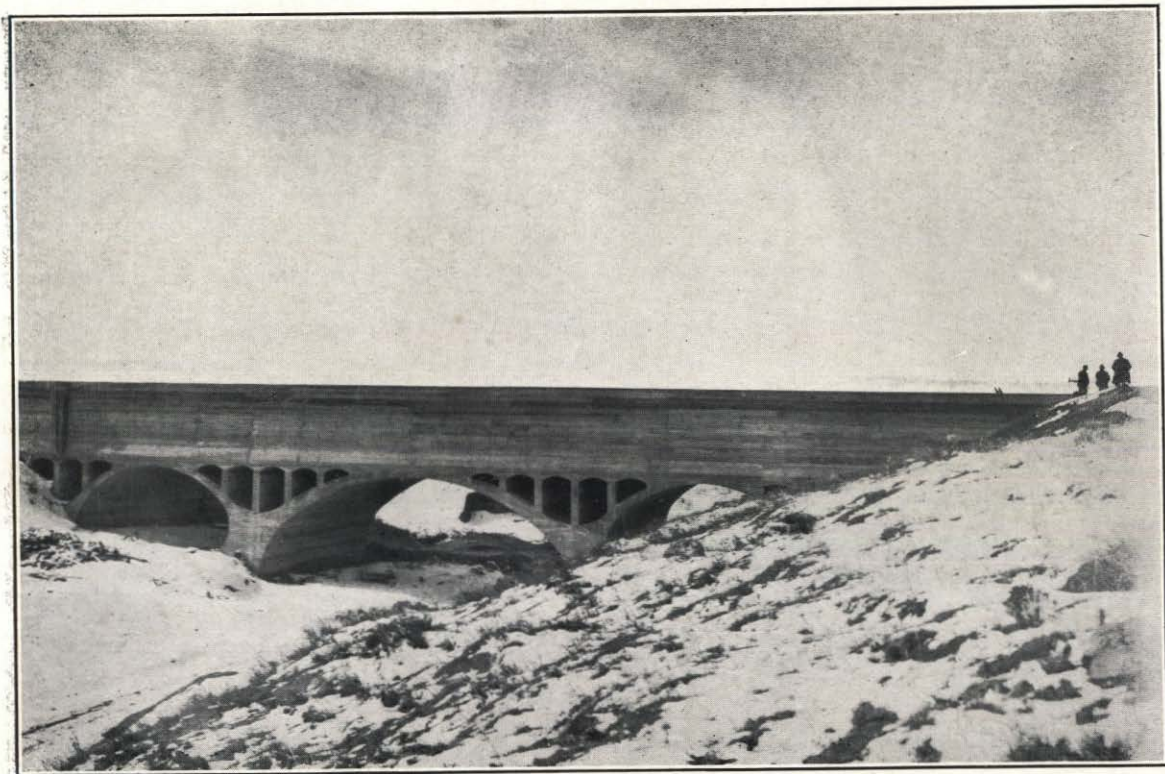
DIVERSION DAM INTERSTATE CANAL, DEC. 1908.

CLAIMS ALLOWED.
November 30, 1906 to November 30, 1908

DIV. NO.	STREAM	CLAIMANT	USE	Second feet Granted	LOCATION OF HEADGATE			DATE OF PRIORITY			Claim No.
					S.	T.	R.	M.	D.	Y.	
1-B.	Frenchman river.....	Fisher, Polley & Co.....	Power	35	11	5	36	July	31	1886	178
1-B.	" ".....	James, R. P.....	"	28.3	21	6	39	Dec.	31	1887	179
1-B.	" ".....	Daschofsky, Gustav K.....	"	30	18	6	40	Sep.	30	1887	1013

CLAIMS DISMISSED.
November 30, 1906 to November 30, 1908.

DIV. NO.	STREAM	CLAIMANT	LOCATION OF HEADGATE			CLAIM NO.
			S.	T.	R.	
1-C	Little Blue River	Philleo, E. A.	4	5	10	992



COTTONWOOD FLUME.

INTERSTATE CANAL.



COTTONWOOD FLUME.

INTERSTATE CANAL.

CLAIMS AND APPLICATIONS GRANTED AND PENDING.

The following table gives a complete list of all claims and applications for water which have been granted by the State Board of Irrigation, and which have never been cancelled; also all applications and claims now pending.

In these tables, the applications have been arranged in each water division by streams in alphabetical order, and the appropriations on each stream are arranged in order of their priority. Range numbers refer to ranges west of the 6th Principal Meridian, unless otherwise indicated.

Those having docket numbers are claims made covering rights acquired under the law prior to April 4, 1895, and those having application numbers are applications for permit to appropriate water made under the law of 1895.

These tables will be found valuable in ascertaining relative rights of appropriators from any stream.

CLAIMS AND APPLICATIONS

Stream	Name of Claimnant	Post-Office Address	Name of Ditch	
Ash Creek	McCormick, C.	Lewellen	McCormick	1
"	Vance, Roscoe	"	Vance Ditch	2
"	Gilliard, George	"	Gilliard Ditch	3
Birdwood ck.	Eq. Farm & S. Imp. Co.	N. Platte	Birdwood Canal	4
"	Eq. Farm & S. Imp. Co.	"	W. Side Birdwood Canal	5
"	Beauchamp, W. K.	Sutherland	Beauchamp Canal	6
B'dw'd ck. E.B.	McCabe, N.	N. Platte	McCabe Ditch	7
Blue creek	Union Irr. & W. P. Co.	Ramsay	Union Irr. & W. P. Canal	8
"	Ia. Irr. & Imp. Co.	"	Blue Creek Ditch	9
"	Eq. Farm & S. Imp. Co.	N. Platte	Blue Creek Canal	10
"	Ia. Irr. & Imp. Co.	Lewellen	Ia. Irr. & Imp. Co. D	11
"	Graf, Robert E.	"	Graf Canal	12
"	Winterer, Jacob H.	"	High Line Ditch	13
"	Bergenson, Nels, et a	Ramsay	West Side Ditch	14
"	Paisley, Ira	"	P. Berg. & R. Ditch	15
"	Ramsey & Paisley	"	Paisley Irr. Ditch	16
Brown's creek.	Haxby, Geo. H.	Bridgeport.	Hackberry Ditch	17
Buckhorn spgs	P. P. Maddox	Keystone		18
Buffalo creek.	Farmers Un. Ditch Co.	Kearney	Farmers' Union L	19
Buffalo ck. W.	Henry, Absalom	Cozad	Henry Canal	20
Camp creek	Stillwell, Wm.	Lisco	Camp Creek Ditch	21
Clear creek	Hooper D. C.	Ramsay	Clear Creek Ditch	22
"	Barber, F. H., Marsh. W. F.	Lewellen	Clear Creek Canal	23
"	Green, Nelson A.	"	Clear Creek Ditch	24
"	Green, Nelson A.	"	Green Ditch	25
"	Scott, G. T., Williams. E. C.	"	Scott & Williams I	26
"	Finch, H. M.	So. Chicago	Finch Ditch	27
Cold Water ck.	Ledgewood, W. E., et al	Oskosh	Cold Water Ditch	28
Coon creek	Winterer, Wm. H.	Keystone	Coon Creek Ditch	29
Dougout creek.				
S. W. Lower	Cooper, Eliza A.	Cmp. Clarke	Cooper Ditch	30
"	Mulloy, Coote C.	Irving	Mulloy Ditch	31
Fremont creek	Eq. Farm & S. Imp. Co.	N. Platte	Fremont Creek D.	32
Golden creek.	Thies, Michael J.	Ogalalla	Thies Ditch	33

BY STREAMS IN DIVISION I-A.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.	
				S	T	R	County	Month	D	Yr.			
1	Irrig.	2		16	16	42	Deuel.....					*1011	....
2	"		1.14	27	16	42	"	June	14	1890		765	....
3	"		1.43	3	16	42	"	Dec.	31	1890		812	....
4	"		100.	35	15	33	Lincoln.....	Oct.	21	1893		646	....
5	"		8.57	22	15	33	Lincoln.....	Jan.	16	1894		652	....
6	"		3.	15	15	33	"	Sept.	19	1894		677	....
7	"		5.	3	16	33	"	Mar.	1	1901			602
8	"		24.64	18	16	42	Deuel.....	May	16	1890		763	....
9	"		12.86	6	16	42	"	Sept.	7	1893		781	....
10	"		107.29	33	17	42	"	Dec.	27	1893		785	....
11	"		12.	7	16	42	"	Feb.	24	1894		786	....
12	"		61.43	19	16	42	"	April	2	1894		788	....
13	"		20.	21	17	42	"	Sept.	27	1894		795	....
14	"		21.	28	17	42	"	Nov.	20	1894		800	....
15	"		20.	33	17	42	"	Sept.	14	1898			471
16	"		4.	33	17	42	"	July	14	1899			515
17	"		0.43	19	20	48	Cheyenne...	July	17	1903			717
18	"			8	14	36	Keith.....	Oct.	3	1908			*918
19	"			34	9	19	Dawson....	Aug.	13	1901			632
20	"		0.07	23	11	23	"	July	2	1900			570
21	"		1.43	13	18	49	Cheyenne...	Mar.	16	1892			866
22	"		2.86	32	16	41	Keith.....	July	1	1888			748
23	"		14.57	29	16	41	"	May	30	1893			754
24	"		1.14	32	16	41	Keith.....	May	30	1893			756
25	"		1.14	29	16	41	"	June	1	1893			745
26	"		1.	28	16	41	"	May	18	1894			747
27	"		1.43	4	15	41	Keith.....	June	30	1895			964
28	"		4.29	26	18	46	Deuel.....	Sept.	29	1894			796
29	"		0.71	34	15	37	Keith.....	July	3	1895			69
30	"		0.86	4	19	48	Cheyenne...	Aug.	15	1892			872
31	"		1.	27	20	48	Cheyenne...	July	18	1907			865
32	"		9.29	15	13	30	Lincoln.....	Jan.	31	1894			686
33	"		3.43	25	15	39	Keith.....	Sept.	17	1895			160

*Pending

CLAIMS AND APPLICATIONS

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Greenwood ck.	Coulter, D. M. & H. M.	Lovel'd Col.	Coulter Ditch.....	1
"	Trinnier, J. E.....	Midway....	Trinnier Canal.....	2
"	Nelson & Trinnier.....	".....	Nelson Canal.....	3
"	Capron, A., Lamb, J....	".....	Capron & Lamb D....	4
"	Meglemre, Sarah A....	La Peer....	Meglemre Ditch....	5
"	Dean, H. T.....	Bridgeport	Dean Ditch.....	6
"	Meglemre, Sarah A....	Longm'tCol	Meglemre Ext.....	7
Horse creek ...	Roberts, Samuel S....	Morrill ...	State Line Ditch ..	8
Horse&Owl cks	Pizer, H. J.....	Mitchell....	Horse Cr. Ditch...	9
Huntington Sps	Cord, Fred.....	Hull	Cord Ditch.....	10
Kiowa creek...	Currie, Edwin A.....	Mitchell....	Currie Ditch	11
"	Kellums, J. H.....	Caldwell....	Kellums Ditch.....	12
"	Lowry, Ellis	Mitchell....	Lowry Canal.....	13
"	Kellums, J. H.....	Caldwell....	Kellums No. 2.....	14
Lake creek....	Lute, H. D.....	Paxton	Lake Cr Ditch.....	15
"	Payne, G. H.....	Omaha.....	Payne Canal.....	16
Lawrence fork.	Lindburg, F.....	Redington..	.....	17
"	Gilman, Byron, Crig- ler, E. S.....	"	Redington Ditch...	18
"	Crigler, E. S.....	"	E. S. Crigler Ditch	19
"	Harper, John W.....	Higgins....	Spring Branch D....	20
"	Redington, H. V.....	Redington..	H. V. Redington D	21
"	Doran, Edmond.....	Sidney....	Doran Canal.....	22
"	Harper, John W.....	Higgins....	Spring Branch Extension	23
"	Crigler, E. S.....	Redington..	Crigler Extension ..	24
"	Neihus, Henry.....	"	Neihus Ditch	25
"	Harper, J. W.....	Sidney....	Harper Ditch	26
"	" ".....	".....	Bicket Ditch	27
Lonergan ck..	Soehl, Herman A.	Omaha.....	Soehl Canal.....	28
"	Jacobs, Lee.....	Ogalalla....	E. Lonergan Ditch	29
"	Soehl, Herman A.	Omaha.....	Soehl Canal.....	30
"	Haney, August C.....	Ogalalla....	Haney Ditch.....	31
Mathews creek.	Mathews, Benj. G....	Keystone ..	Mathews Canal....	32
North Platte R.	N. Platte Irr. & L. Co.	N. Platte ..	North Platte Canal	33
"	Farmers Canal Co....	Omaha.....	Farmers' Canal....	34
"	Minatare Mut. C.&I. Co.	Minatare...	Minatare Ditch....	35
"	Winters' Creek Irr. Co.	Gering....	Winter Creek C....	36
"	Enterprise Ditch Co....	Sunflower..	Enterprise Ditch ..	37
"	Castle Rock Irr. Canal & Water Power Co.	Wilford....	Castle Rock Irr. C.	38

BY STREAMS IN DIVISION 1-A.—Continued.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S	T	R	County	Month	D	Yr.		
1	Irrig.		4.	15	18	50	Cheyenne	Feb.	3	1890	830	....
2	"		6.29	28	18	50	"	April	6	1891	849	....
3	"		3.	33	18	50	"	April	1	1892	845	....
4	"		2.	15	18	50	"	Jan.	1	1893	890	....
5	"		0.57	10	18	58	"	May	6	1896	....	294
6	"		8.86	10	18	50	"	Dec.	5	1906	....	844
7	"		1.50	10	18	50	"	March	11	1907	....	853
8	"		10.	33	23	58	Scotts Bluff	Sept.	10	1897	....	407
9	"		0.86	34	23	58	" "	Feb.	29	1904	....	742
10	"		1.43	9	20	58	" "	Dec.	23	1904	....	778
11	"		9.14	13	21	57	" "	March	23	1892	938	....
12	"		2.43	11	22	58	" "	Oct.	18	1901	....	641
13	"		1.71	31	22	57	" "	March	25	1904	....	746
14	"		0.57	1	22	58	" "	Nov.	29	1907	....	880
15	"		8.57	14	14	36	Keith	Nov.	24	1905	....	805
16	"	16		14	14	36	"	Sept.	1	1908	....	*912
17	"		0.50	28	18	52	Cheyenne	Dec.	31	1886	825	....
18	"		0.57	36	19	52	"	Oct.	9	1889	820	....
19	"		0.57	1	18	52	"	Sept.	11	1891	861	....
20	"		1.	11	18	52	"	Oct.	23	1891	862	....
21	"		0.50	11	18	52	"	May	1	1893	893	....
22	"		1.14	15	18	52	"	June	1	1894	850	....
23	"		0.57	1	18	52	"	Oct.	13	1898	....	476
24	"		1.43	1	18	52	"	Nov.	25	1898	....	486
25	"		1.	11	18	52	"	March	23	1900	....	550
26	"		1.43	11	18	52	"	May	27	1902	....	669
27	"		0.57	11	18	52	"	May	27	1902	....	670
28	"		2.	17	15	39	Keith	May	10	1889	697a	....
29	"		9.14	17	15	39	"	May	25	1889	699	....
30	"		0.86	17	15	39	"	April	27	1893	697b	....
31	"		1.14	17	15	39	"	July	1	1893	719	....
32	"		1.14	28	15	37	"	April	1	1895	750	....
33	"		300.	13	14	34	Lincoln	May	31	1884	635	....
34	"		1142.86	3	23	58	Scotts Bluff	Sept.	16	1887	918	....
35	"		249.43	32	22	54	" "	Jan.	14	1888	919	....
36	"		124.29	17	22	55	" "	Oct.	18	1888	952	....
37	"		173.71	27	23	57	" "	March	28	1889	920	....
38	"		82.57	4	21	54	" "	April	18	1889	921	....

*Pending

REPORT OF SECRETARY

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-office Address	Name of Ditch	
North Platte R.	Logan, Chas E.	Cmp. Clarke		1
"	Belmont, I. C. & W. P. Co.	Omaha	Belmont Canal	2
"	Central I. C. & W. P. Co.	Gering	Central I. C. & W. P. Co. Canal	3
"	Myers, T. A. et al.	Ogalalla	Myers & Phelps C.	4
"	Sheridan, J. Wake	"	Sheridan & Wilson Ditch	5
"	Chimney Rock Irr. Can. & Water Power Co.	Cmp. Clarke	Chimney Rock C.	6
"	Empire Canal Co.	"	Empire Canal	7
"	Kah, David	Minatare	Kah Ditch	8
"	Brown's Cr. I. C. Co.	Cmp. Clarke	Brown's Cr. Canal	9
"	Hale, Will A.	Gering	Homestead Ditch	10
"	Alliance I. C. & W. P. Co.	Cmp. Clarke	Alliance Canal	11
"	Clark, Henry T.	"	H. T. Clarke Canal	12
"	Nichols, Yorrick and C.	Morrill	Ramshorn Ditch	13
"	Short Line Irr. Co.	Bayard	Short Line Canal	14
"	Lisco, Reuben	Chappell	Lisco Ditch	15
"	Nine Mile C. & Res. Co.	Bayard	Nine Mile Canal	16
"	Cody & Dillon I. C. Co.	N. Platte	Cody & Dillon I. C. Co.	17
"	Sutherland & Paxton Land & Irr. Co.	Sutherland	S. & P. L. & I. C.	18
"	Paxton & Hershey Irr. Canal & Land Co.	Omaha	Paxton & Hershey C.	19
"	Bower, Wm. T.	Oshkosh	Bower Ditch	20
"	Far. & Mer. Land Co.	N. Platte	Farm. & Mer. C.	21
"	South Side I. & L. Co.	"	So. Side I. & L. Co. C.	22
"	Roberts, C. F.	Oshkosh	Midland Ditch	23
"	Keith, Morrell C.	N. Platte	Keith Canal	24
"	Maycock, Joseph	Morrill	Rooster Ditch	25
"	Smith, Augustus	N. Platte	Smith Canal	26
"	Fox, B. M.	Oshkosh	Overland I. C. Can.	27
"	Hannah Irr. Can. Co.	Lisco	Hannah I. Canal	28
"	Gumaer, H. G., et al.	Oshkosh	Oshkosh Canal	29
"	Smith, A. H., et al.	Cmp. Clarke	Beerline Ditch	30
"	Spohn, Wm.	Oshkosh	Spohn Ditch	31
"	Rush Creek Ir. Can. Co.	Lodge Pole	Rush Creek Irr. Can.	32
"	Lyons I. C. & W. P. Co.	Oshkosh	Lyons Irr. Canal	33
"	Orr, Geo. B., et al.	Lewellen	Orr & Vance Can.	34
"	Williams, E. C., et al.	"	Robb's & Williams C.	35
"	Gyger, J. C.	Oshkosh	Gyger Ditch	36
"	Dikeman, S. F.	N. Platte	Dikeman Canal	37
"	Simpson, Geo. M. et al	Oshkosh	Signal Bluff Ditch	38
"	Jacobs, Lee	Ogalalla	Hay Land Canal	39
"	Hubartt, E.	N. Platte	Hubbartt & Hall D.	40
"	Fernstrom, Alfred	"	"	
"	Nisson, Peter	Ogalalla	Fernstrom & Nissen	41

STREAMS IN DIVISION 1-A—Continued.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D	Yr.		
1	Irrig.		5.71	19	24	50	Cheyenne	Oct.	17	1889	821	
2	"		270.	18	20	51	"	Dec.	19	1889	828	
3	"		36.	27	22	55	Scotts Bluff	June	23	1890	926	
4	"		7.14	34	15	39	Keith	Sept.	11	1890	709	
5	"		10.	20	14	35	"	Oct.	9	1890	710	
6	"		60.	1	20	53	Cheyenne	Dec.	3	1890	844	
7	"		28.57	18	20	51	"	June	25	1891	858	
8	"		4.57	11	21	54	Scotts Bluff	Nov.	1	1891	944	
9	"		188.71	29	20	50	Cheyenne	Jan.	20	1892	857	
10	"		11.43	21	22	55	Scotts Bluff	June	29	1892	941	
11	"		100.	5	20	52	Cheyenne	Dec.	26	1892	874	
12	"		9.43	22	20	51	"	Feb.	2	1893	875	
13	"		45.71	13	23	58	Scotts Bluff	March	20	1893	945	
14	"		65.57	25	21	53	"	May	1	1893	946	
15	"		32.86	14	18	47	Cheyenne	July	1	1893	856	
16	"		200.	18	21	53	Scotts Bluff	Dec.	6	1893	925	
17	"		127.	9	14	31	Lincoln	Dec.	29	1893	649	
18	"		186.	18	14	36	Keith	Feb.	2	1894	722	
19	"		130.	18	14	33	Lincoln	Feb.	12	1894	653	
20	"		21.37	6	17	45	Deuel	March	27	1894	787	
21	"		183.	12	14	33	Lincoln	May	22	1894	662	
22	"		270.	14	14	34	"	June	6	1894	667	
23	"		12.	2	16	44	Deuel	June	9	1894	789	
24	"		71.	36	14	30	Lincoln	July	7	1894	657	
25	"		5.71	10	23	58	Scotts Bluff	July	29	1894	950	
26	"		20.	36	14	30	Lincoln	Aug.	9	1894	676	
27	"		20.	1	16	44	Deuel	Aug.	14	1894	791	
28	"		5.71	24	18	47	Cheyenne	Sept.	24	1894	886	
29	"		40.	33	17	44	Deuel	Oct.	5	1894	797	
30	"		30.	24	19	44	Cheyenne	Oct.	13	1894	887	
31	"		13.14	13	17	45	Deuel	Dec.	6	1894	801	
32	"		9.64	2	17	40	"	Dec.	11	1894	802	
33	"		42.14	30	17	44	"	Dec.	22	1894	803	
34	"		2.93	29	16	42	"	Dec.	24	1894	811	
35	"		26.57	35	16	42	"	Jan.	4	1895	804	
36	"		10.86	10	16	44	"	Jan.	5	1895	806	
37	"		30.	9	14	32	Lincoln	Jan.	14	1895	684	
38	"		30.13	16	16	43	Deuel	Jan.	16	1895	807	
39	"		5.71	29	15	39	Keith	Jan.	19	1895	732	
40	"		65.70	20	14	30	Lincoln	March	3	1895	691	
41	"		4.	25	15	39	Keith	March	23	1895	737	

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
North Platte R.	Alfalfa Irr. District...	Ogallala ...	Alfalfa Irr. Dis. Can	1
"	Bushnell, H. J. & E. N.	Oshkosh ...	Bushnell Bros. D.	2
"	Holcomb, Gen. J.	Ogallala ...	Holcomb Ditch...	3
"	Steamboat Ditch Co.	Gering....	Steamboat Ditch...	4
"	North River Irr. C. & Water Power Co.	Oshkosh ...	North River Irr. Co.	5
"	LaMore, Fred E.	LaPeer ...	LaMore Ditch....	6
"	Steamboat Ditch Co.	Gering....	Steamboat Ditch...	7
"	Tetreault, Amedee	LaPeer ...	Tetreault D. No. 2.	8
"	The Gering Ir. District	Gering....	Gering Can.....	9
"	Schermerhorn, A. D.	Omaha....	Schermerhorn Can	10
"	Frank, Wm.	Grand Island	Columbia Canal...	11
"	Sec. of Interior.	Wash., D.C.	Pathfinder.....	12
"	Pathfinder Elec. & Water Power Co.	Scott's Bl'ff		13
"	Stewart, G. F.	Mitchell.		14
"	Belmont I. C. & W. P. Co.	Bridgeport.	Belmont Canal...	15
"	Shumway, G. L.	Scott's Bl'ff	Roosevelt.....	16
"	White, D. W.	Bridgeport.	Empire Ext.....	17
Spring Creek trb to N. Platte	Frazier, John	N. Platte.	Frazier Lake	18
Borrow Pit, trb. N. Platte	Taylor, A. O.	Minatare...	Borrow Pit Ditch.	19
Otter creek....	Howell, M. A. B.	Detrit, Mich	Cascade Canal...	20
"	Hall, E.	Omaha....	High and Low Line	21
Owl creek.....	Kellums, John H.	Caldwell...	Sunflower Ditch...	22
"	"	"	"	23
"	"	"	" No. 2	24
"	"	"	Ext. No. 1	25
Pawnee creek..	Holcombe, M. N.	Brady Isl.	Holcombe's Ditch.	26
"	Murphy, E. D.	"	Murphy's Ditch...	27
"	Plumer, Wm. H.	Maxwell ...	Plumer Ditch.....	28
Platte river....	Gothenburg P. & I. Co.	Gothenburg	Gothenburg P. & I. Co.	29
"	Farmers' D. & C. Co.	Brady Isl.	Farm. D. & C. Co. D.	30
"	Farmers' Irr. Co.	Lexington.	Farmers Irr. Co's D.	31
"	Farm. & Mer. Irr. Co.	"	Farm. & Mer. Canal	32
"	Fowells, Russell H.	Maxwell ...	Maxwell Canal...	33
"	Appleford, Henry	"	Appleford Canal...	34
"	Sides, Leroy	Lowell ...	Leroy Sides' Ditch	35
"	Farmers' Union D. Co.	Kearney ...	Farm. Union Canal	36
"	Platte R. Irr. Co.	Lexington.	Platte R. I. Co. Can.	37
"	Gothenburg P. & I. Co.	Gothenburg	Gothenb'g P. & I. Co.	38
"	Farmers' Mut. Irr. Co.	Kearney ...	Farmers' Canal...	39

STREAMS IN DIVISION 1-A *Continued.*

Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
			S.	T.	R.	County	Month	D	Yr.		
1 Irrig.		100.	1	15	42	Keith	March	25	1895	738	....
2 " "		7.14	12	16	44	Deuel	March	27	1895	809	....
3 " "		15.49	16	15	40	Keith	June	4	1895		1
4 " "		15.	4	21	54	Scotts Bluff	Oct.	22	1895		186
5 " "		168.29	14	18	47	Cheyenne	Feb.	24	1896		243
6 " "		20.	34	19	48	"	July	18	1896		327
7 " "	40.		4	21	54	Scotts Bluff	July	22	1896		*350
8 " "	3.43		1	19	50	Cheyenne	Aug.	15	1896		353
9 " "	208.62		4	23	58	Scotts Bluff	March	15	1897		365
10 " "	29.71		16	20	51	Cheyenne	Oct.	25	1897		418
11 " "	600.		3	23	58	Scotts Bluff	April	14	1902		660
12 " "			19	29	83	State of Wyoming	Sept.	19	1904		768
13 Pow'r		200.	20	22	55	Scotts Bluff	Dec.	16	1904		777
14 Irrig.							Feb.	5	1906		*814
15 " "	115.71		18	20	51	Cheyenne	March	28	1907		*902
16 " "	550.		25	25	58	Scotts Bluff	May	31	1907		*862
17 " "		1.	18	20	51	Cheyenne	July	20	1907		866
18 Ice...		4.	35	14	30	Lincoln	Sept.	6	1907		868
19 Irrig.		.29	19	21	52	Scotts Bluff	April	23	1904		751
20 I. & P.		20.	5	15	40	Keith	Jan.	3	1906		812
21 " "		20.	9	15	40	"	Sept.	8	1908		*913
22 Irrig.		.79	12	22	58	Scotts Bluff	Sept.	17	1897		411
23 " "		1.14	12	22	58	"	Oct.	10	1904		770
24 " "		2.86	12	22	58	"	Nov.	29	1907		879
25 " "		0.57	12	22	58	"	Nov.	29	1907		881
26 " "		8.	13	13	28	Lincoln	Oct.	18	1890	636	....
27 " "		8.57	29	13	27	"	June	9	1894	669	....
28 " "		10.	19	13	27	"	June	15	1894	672	....
29 I. & P.		200.	29	12	26	"	July	5	1890	645a	....
30 Irrig.		280.	17	13	29	"	June	2	1894	666	....
31 " "		114.	25	10	23	Dawson	June	14	1894	621	....
32 " "		1142.86	18	10	23	"	June	26	1894	622	....
33 " "		27.14	29	13	28	Lincoln	July	5	1894	673	....
34 " "		10.	15	13	29	"	July	7	1894	674	....
35 " "		20.	13	8	14	Kearney	July	23	1894	629	....
36 " "		128.57	6	8	19	Dawson	Aug.	10	1894	623	....
37 " "		400.	13	9	22	"	Sept.	15	1894	624	....
38 " "		240.	29	12	26	Lincoln	Sept.	22	1894	645b	....
39 " "		180.	12	8	16	Buffalo	Sept.	24	1894	628	....

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Platte river....	McCullough, John.....	Maxwell ...	McCullough D.....	1
"	Six Mile Ditch Co.....	Gothenburg	Six Mile Ditch....	2
"	Gothenburg South Side Irr. Co.....	"	Gothenburg S. S. Irr. Co.....	3
"	Booker, H. C.....	"	Booker Canal....	4
"	Cozad Irr. Co.....	Cozad.....	Cozad Irr. Canal..	5
"	Orchard & Alfalfa Irr. Co.....	"	Orchard & Al. Irr. D.	6
"	Lincoln & Dawson County Irr. Dist. 1..	Gothenburg	Lincoln & Dawson Co. Irr. Dist. Can.	7
"	Appleford, Henry.....	Maxwell ...	Appleford Canal ..	8
"	Hefner, O. O.....	Lexington..	Lex. So. Side I. D.	9
"	Lex. So. Side Irr. Co..	"	Lex. So. Side Ditch	10
Pumpkin Seed.	Wright, John S.....	Ashford ...	J. S. Wright D. No. 1	11
"	Kelly, Wm. J.....	"	Kelly Ditch	12
"	Heard, Henry L.....	Freeport..	Heard's D's Nos. 1 & 2	13
"	Wright, John S.....	Ashford....	J. S. Wright D. No. 2	14
"	Logan, John E.....	Gering....	Logan Ditch.....	15
"	Court House Rock I. Co.....	Midway....	Court House I. Can	16
"	Smith, Eliza C, Wheeler, Chas. G.....	Sidney	Smith & Wheeler So. D.....	17
"	Mutual Ditch Co.....	Redington..	Mutual Ditch.....	18
"	Waitman, P. P.....	"	Waitman's Ditch..	19
"	Endered, Chas. O. et al	Freeport ...	Endered Ditch....	20
"	Cary L. B.....	LaPeer....	Meredith & Amner Ditch	21
"	Hampton, R. R. and Wm. D.....	Harrisburg.	Hampton Ditch....	22
"	Finn, J. L., Dean, H. T.	LaPeer....	Last Chance.....	23
"	Munn, Lee.....	Redington..	Round House Rock D.	24
"	Maxwell, Jos. J.....	"	J. J. Maxwell Irr. D.	25
"	Dunlap, J. P.....	Dwight....	Dunlap Ditch.....	26
"	Willard, Wm. M.....	Midway....	Wm. M. Willard D	27
"	Thompson, R. S., et al.	Redington..	Birdcage Ditch....	28
"	Smith, E., & Wheeler, Chas. G.....	Sidney.....	Smith & Wheeler North Ditch....	29
"	Wisner, S. R., et al....	Freeport....	Abbott & Wisner D.	30
"	Peters, John F.....	Harrisburg	Peters Ditch.....	31
"	Egleston, T. C.....	Caldwell, Ia	Airedale Can. No. 1	32
"	"	"	Airedale Can. No. 2	33
"	Scott, Ambrose E.....	Harrisburg	Reservoir Nos. 1, 2, 3	34
"	Smith, T. H.....	Redington..	Smith	35

STREAMS IN DIVISION 1-A—Continued.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	Appl. No.
				S.	T.	R.	County	Month	D	Yr.		
1	Irrig.	.....	30.	35	13	28	Lincoln	Oct.	20	1894	679	.....
2	"	.....	40.	11	11	26	"	Oct.	22	1894	680	.....
3	"	.....	357.14	30	12	26	"	Oct.	26	1894	681	.....
4	"	.....	100.	16	11	25	Dawson	Nov.	9	1894	625	.....
5	"	.....	614.29	15	11	25	"	Dec.	28	1894	626	.....
6	"	.....	300.	9	10	24	"	Jan.	23	1895	627	.....
7	"	.....	642.86	9	13	29	Lincoln	Feb.	22	1895	687	.....
8	"	.....	2.86	15	13	29	"	March	28	1895	690	.....
9	"	.....	12.57	8	9	22	Dawson	Oct.	14	1897	.....	416
10	"	.....	58.	8	9	22	"	Sept.	28	1900	.....	576
11	"	.....	2.	5	19	54	Banner	Dec.	31	1882	904	.....
12	"	.....	1.43	5	19	54	"	May	10	1886	915	.....
13	"	.....	1.29	14	19	54	"	June	1	1887	916	.....
14	"	.....	2.86	5	19	54	"	Dec.	31	1887	905	.....
15	"	.....	4.	7	19	55	"	July	16	1890	902	.....
16	"	.....	30.50	30	19	50	Cheyenne	Oct.	6	1890	840	.....
17	"	.....	1.57	26	19	51	"	Oct.	16	1890	842	.....
18	"	.....	8.57	33	19	52	"	Nov.	1	1890	843	.....
19	"	.....	2.86	25	19	53	Banner	March	12	1891	847	.....
20	"	.....	1.	21	19	53	"	May	27	1891	903	.....
21	"	.....	18.86	23	19	50	Cheyenne	Feb.	20	1893	876	.....
22	"	.....	1.29	25	20	57	Banner	April	5	1893	906	.....
23	"	.....	8.	27	19	50	Cheyenne	April	12	1894	883	.....
24	"	.....	3.	28	19	51	"	May	29	1894	884	.....
25	"	.....	.50	23	19	52	"	June	30	1894	885	.....
26	"	.....	.36	24	19	51	"	March	1	1895	889	.....
27	"	.....	1.43	25	19	51	"	March	27	1895	888	.....
28	"	.....	1.	19	19	51	"	June	1	1895	892	.....
29	"	.....	.71	26	19	51	Cheyenne	June	1	1896	842	.....
30	"	14.40	.....	23	19	53	Banner	.....	.....	.....	*917	.....
31	"	4.80	.....	34	20	56	"	.....	.....	.....	*913	.....
32	"	.....	3.	2	19	55	"	Jan.	24	1903	.....	698
33	"	.....	3.	1	19	55	"	Jan.	24	1903	.....	699
34	"	.....	9.43	7	19	55	"	June	24	1903	.....	711
35	"	.....	.57	25	19	53	Cheyenne	August	19	1903	.....	722

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Pumpkin Seed	Johnson, Theo.....	Freeport...		1
"	Beatty, D. E.....	Harrisburg	Beatty Ditch.....	2
"	Swanger, R.....	Bridgeport	Swanger.....	3
"	Elter & Betebenner....	"	Pumpkin Cr. Mills.	4
Sand creek...	Holcomb, G. J., et al...	Ogalalla...	Holcomb & Smith.	5
"	Patrick, Herman A....	"	Patrick Ditch.....	6
"	Nissen, P.....	"	Nissen Ditch.....	7
Sandy creek..	Payne, G. H.....	Omaha.....	Payne Canal.....	8
"	Maddox, P. P.....	Keystone...		9
Schuetz Spring	Schuetz, Louis.....	LaPeer....	Schuetz Spring C.	10
Sheep creek...	Nichols, Yorick.....	Pratt, Wyo	Little Moon.....	11
"	Sturdivant, Jos.....	Empire....	Sturdivant Canal.	12
"	Covert, Pitt.....	Wyoming	Nebraska Res.....	13
"	West Fork Ditch Co...	Empire....	West Fork Ditch..	14
"	Cunningham, H. B....	"	Lower Canal.....	15
"	"	"	Home Ranch Ditch	16
"	"	"	Horse Pasture Res.	17
"	"	"	Horse Camp Res..	18
"	"	"	No. Two.....	19
"	"	"	No. Four.....	20
Draw, Trib. to Sheep creek.	Hovey, Ethel A.....	Empire....	Favorable.....	21
Skunk creek...	Miller, Adam.....	Keystone..	Miller Ditch.....	22
"	Payne, G. H.....	Omaha.....	Payne Canal.....	23
Snake creek...	Oasis Ditch Co.....	Alliance...	Oasis Ditch.....	24
"	Elmore, Mike.....	"	Elmore Canal.....	25
South Platte R.	Eaton, John J.....	Brule.....	Eaton & McGrath D	26
"	Hollingsworth & Sons.	Ogalalla..	Hollingsworth D..	27
"	Stebbins, Lucien....	N. Platte..	Stebbins Canal...	28
"	Searle, E. M.....	Ogalalla..	Riverside.....	29
"	Miller, F. L.....	Big Springs	Miller & Warren..	30
"	Ryan, J. T.....	Brule.....	Home Irr. Ditch..	31
"	Shireman, W. H.....	Ogalalla..	So. Side Plano D.	32
"	Kimball, W., et al....	Big Springs	Big Springs Canal	33
"	Stafford, David.....	"	Paxton Southern D	34
"	Lute & Sheridan.....	Ogalalla..	Lute & Sheridan D	35
"	Meyer, Henry.....	Brule.....	Meyer Canal.....	36
"	Cornahan, H., Reed, O.	"	Cereal Irr. Ditch..	37
"	Allen, Wm. F.....	Omaha.....	Allen Ditch.....	38
"	Western Irrig. Dist....	Big Springs	Western Irr.....	39
"	Leech, E. E. et al....	"	Kimball's Und'rl'w	40

STREAMS IN DIVISION I-A *Continued.*

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D	Yr.		
1	Irrig.		2.29	2	19	55	Banner	April	20	1906		819
2	"		0.84	8	19	55	"	Sept.	1	1906		836
3	I. & P.		0.43	29	19	50	Cheyenne	Feb.	28	1907		851
4	Pow'r		25.	23	19	50	"	March	26	1907		855
5	Irrig.		7.	10	15	40	Keith	May	20	1889	698	
6	"		2.43	3	15	40	"	May	31	1891	725	
7	"		3.07	10	15	40	"	March	18	1901		606
8	"	13		9	14	36	"	Sept.	1	1908		*911
9	"	4		9	14	36	"	Oct.	3	1908		*917
10	"		.21	28	18	50	Cheyenne	May	10	1892	881	
11	"		1.	10	24	58	Sioux	March	23	1904		745
12	"		1.14	1	26	58	"	April	1	1907		856
13	"		3.57	36	27	58	"	May	18	1907		859
14	"		2.	24	35	56	"	Sept.	21	1907		871
15	"		0.37	11	25	58	"	Nov.	2	1907		875
16	"		1.79	25	26	58	"	Nov.	2	1907		876
17	"		1.29	25	26	58	"	Nov.	2	1907		877
18	"		2.86	36	27	58	"	Jan.	20	1908		885
19	"		2.50	2	25	58	"	Feb.	24	1908		890
20	"			1	25	58	"	Feb.	24	1908		*891
21	"		0.29	19	26	57	"	Oct.	25	1907		873
22	"		2.29	1	14	37	Keith	April	1	1895	740	
23	"	15.5		6	14	36	"	Sept.	1	1908		*910
24	"		54.86	6	24	51	Box Butte	June	6	1894	567	
25	"		5.71	30	25	51	"	June	22	1895		41
26	"		20.	25	13	41	Keith	April	3	1894	755	
27	"		30.	12	13	39	"	June	5	1894	723	
28	"		30.	34	14	32	Lincoln	Dec.	17	1894	683	
29	"		2.86	17	13	39	Keith	Dec.	22	1894	744	
30	"		53.86	7	12	42	Deuel	Jan.	5	1895	805	
31	"		3.14	30	13	40	Keith	March	2	1895	736	
32	"		1.43	17	13	39	"	April	27	1895	733	
33	"		8.93	35	13	42	Deuel	April	27	1895	810	
34	"		1.43	2	13	36	"	Oct.	17	1895		184
35	"		13.43	5	13	37	"	Feb.	17	1896		231
36	"		1.46	22	13	40	"	April	14	1896		283
37	"		4.86	16	13	39	"	July	10	1896		357
38	"		9.	24	13	40	Keith	Dec.	15	1896		370
39	"		18.00	14	12	43	Deuel	June	14	1897		393
40	"		3.57	4	12	42	"	Nov.	8	1898		482

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
South Platte R.	Abraham, V. S.....	Ogalalla.....		1
"	Brown, Wm.....	Big Springs	Brown's Canal....	2
Spotted Tail C.	Stewart, H. G.....	Crawford.....		3
"	Stewart, H. G.....	Mitchell.....	Stewart Res.....	4
Spring Branch	Brogan Bros.....	Paxton.....	Brogan Bros.' D....	5
Spring Br., trib to Lawr. Fk.	Harper, J. W.....	Sidney.....	Harper Ditch No. 2	6
Spring creek..	Holcomb, G. J.....	Ogalalla.....	Spring Creek Ditch	7
Spring Ck., trib to White Tail	Holloway, D. P.....	Keystone..	Spring Creek Ditch	8
Spring Ck., trib to Platte R..	Abel, Anton.....	Lexington..	Abel Ditch.....	9
Spring Ck. Lit.	Ware Costin Cattle Co.	Omaha.....	Little Spring Ditch	10
Springs, trib to Middle creek.	Bartling, Henry.....	Sidney.....	Bartling Ditch....	11
Springs, trib to Middle creek	Bartling, Henry.....	".....	Bartling Ditch No 2	12
Sprs. on Sec. 28-18-49...	Finn Brothers.....	LaPeer.....	Finn Bros.' Ditch..	13
Strm. (no name)	Newberry, H.....	N. Platte..	Newberry Ditch... 14	
Willow creek..	Everett, R. L.....	Harrisburg	Willow Sp'gs D. 1.	15
"	Everett, R. L.....	"	Willow Sp'gs D. 2.	16
White Horse ck	Lamplugh, Isaac.....	N. Platte..	Lamplugh's Lakes	17
White Tail Ck.	McCarthy, John M....	Keystone..	J. M. McCarthy... 18	
"	Holloway, D. P., et al.	Ogalalla...	Halloway & Phelps Ditch.....	19
"	Leonard Brothers.....	Keystone..	Little Dandy.....	20
"	Foster, Frank.....	"	Foster Keystone C.	21
"	Reed, Fred.....	"	Reed Ditch.....	22
"	Bower, John H.....	Ogalalla...		23
"	Ware Costin Cattle Co.	Keystone..	Keystone Canal... 24	
"	Paxton, W. A., Jr....	Omaha.....	Keystone Ditch... 25	
White Tail Ck., west fork....	Leonard, M. J.....	Ogalalla...	Leonard Ditch....	26
Wind Springs.	Maycock John.....	Gering.....	Wind Springs Can. 27	
Winters creek.	Bouton, Chas. A.....	".....	Bouton's Ditch....	28
Wood river...	Davis, J. H. & Sons...	Gibbon.....		29
"	Shelton Mill & G Co..	Shelton.....		30

STREAMS IN DIVISION 1-A—Continued.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D	Yr.		
1	Irrig.		7.14	1	13	38	Keith	March	2	1905	782	
2	"		4.86	28	13	41	"	Jan.	4	1906	810	
3	"		1.	10	23	56	Scotts Bluff	May	2	1898	449	
4	"		1.43	2	23	56	"	March	2	1904	743	
5	"		.57	35	15	37	Keith	Sept.	24	1897	410	
6	"		2.	1	18	52	Cheyenne	June	16	1902	674	
7	"		.57	12	15	40	Keith	June	18	1894	724	
8	"		1.57	19	15	37	"	June	21	1890	704	
9	F.& I.		10.	32	10	21	Dawson	Dec.	19	1906	846	
10	Irrig.		.57	29	15	37	Keith	April	1	1902	659	
11	"		.29	28	18	51	Cheyenne	July	31	1891	870	
12	"		.29	28	18	51	"	June	1	1894	891	
13	"		.50	28	18	49	"	July	1	1890	836	
14	"		1.14	22	14	32	Lincoln	Feb.	25	1895	688	
15	"		.57	16	19	56	Banner	Jan.	21	1902	650	
16	"		.86	16	19	56	"	Jan.	21	1902	651	
17	"		2.86	8	14	30	Lincoln	Dec.	31	1883	658	
18	"		1.	36	15	38	Keith	July	15	1890	749	
19	"		4.	36	15	38	"	June	1	1893	717	
20	"		2.	22	15	38	"	Oct.	12	1894	727	
21	"		20.	36	15	38	"	Oct.	30	1894	730	
22	"		.57	15	15	38	"	May	15	1895	751	
23	"		2.86	36	15	38	"	Oct.	29	1897	420	
24	"		51.71	26	15	38	"	April	26	1902	662b	
25	"		4.57	26	15	38	"	Nov.	30	1906	843	
26	"		1.43	28	16	38	"	May	4	1899	507	
27	"		1.43	12	24	55	Sioux	March	1	1892	954	
28	"		1.	3	22	54	Scotts Bluff	August	17	1889	923	
29	Pow'r		40.	13	9	14	Buffalo	Nov.	1	1873	993	
30	"		40.	1	9	13	"	Oct.	16	1873	994	

REPORT OF SECRETARY

CLAIMS AND APPLICATIONS

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Wood river...	Bears, S.....	Kearney .....	.....	1
"	Klein, J. J.....	"	White Bridge Park	2
"	Klein, J. J.....	"	"	3
Waste Water.	Myers, Jas. V.....	Alliance....	South Lower Ditch	4

BY STREAMS IN DIVISION 1-A.—*Concluded.*

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.	
				S	T	R	County	Month	D	Yr.			
1	Pow'r	.....	25.40	13	9	16	Buffalo	.....	May	1	1881	.....	995
2	Irrig.	.....	.03	8	9	15	"	.....	March	14	1900	.....	545a
3	Pow'r	.....	10.	8	9	15	"	.....	March	14	1900	.....	545b
4	Irrig.	.....		36	25	48	Box Butte	.....	Aug.	17	1908	.....	*909

*Pending

CLAIMS AND APPLICATIONS

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
BigCott'nwood	Hansberry, Jon. T.....	Bloomington.....	Bloomington Ditch	1
"	Hansberry, Jon. T.....	"	Bloomingt'nMill R	2
"	Zulauf, Chas. E.....	Ravenna.....	"	3
"	Zulauf, Chas. E.....	"	"	4
Buffalo creek	Allen, N. J., Sr., et al	Haigler.....	Allen & Larned D.	5
"	Porter, J. R. & Sons ..	"	Porter & Sons' D.	6
Center creek...	Gregory, A. B. & P. C.	Franklin...	Gregory Ditch	7
"	Rose, C. H.....	"	Rose Ditch.....	8
Coates creek ..	Burton, R. D.....	"	"	9
Cook creek....	Sharpnac, W. A.....	Alma.....	Sharpnac Ditch... 10	
Crooked creek.	Kaley, C. H.....	Red Cloud.	F'ish Pond..... 11	
Frenchman R.	Fisher, Polly & Co....	Wauneta	Wauneta Mills.... 12	
"	James, R. P.....	Champion..	Champion Mills... 13	
"	McGillen, W. J.....	Imperial..	Aberdeen Ditch... 14	
"	McGillen, W. J.....	"	Harlem Ditch 15	
Frenchman R. and Stinking Water creek.	Culbertson Irr. & Water Pr. Co.....	Culbertson.	Culbertson Irr. & Water Pr. Canal 16	
Frenchman R.	Chas. Co. Land & L. S. Co.....	Champion..	Champion Water Pr. and Irr. Ditch 17	
"	McGillen, W. J.....	Imperial...	Aberdeen Ditch... 18	
"	Farmers Canal Co....	Culbertson.	Farmers' Canal... 19	
"	Fuller, C. D.....	Imperial...	Fuller Ditch..... 20	
"	River Side Canal & Ir- rigation Co.....	Culbertson.	Riverside Canal... 21	
"	Dissmore, Geo. A.....	Des Moines	Frenchman Val. C. 22	
"	Gould, Wilson S.....	Omaha.....	Gould or Harlem D 23	
"	Grant, Allen.....	Imperial...	Grant or Aberd'nd 24	
"	Maranville, E., et al...	Lamar.....	Maranville Ditch.. 25	
"	Wise, J. S.....	Hudson....	Wise Ditch..... 26	
"	Gurnsey, D. & Co.....	Wauneta..	N. Side Gurnsey D. 27	
"	Gurnsey, D. & Co.....	"	S. Side Gurnsey D. 28	
"	Inman, N.....	Champion..	Inman Ditch 29	
"	Daschosfsky, G.....	Lamar.....	Lamar RollingMill 30	
"	North Side Irr. D. Co..	Champion..	North Side Irr. D. 31	
"	Shallenberger, P. H....	Imperial...	Shallenberger Can. 32	
"	Inman Ditch & Irr. Co.	"	Inman Ditch..... 33	
"	Hoke, J. A.....	Champion..	Creamery 34	
"	Follett & Krotter	Palisade...	Follett & Krotter D 35	

BY STREAMS IN DIVISION 1-B.

Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
			S	T	R	County	Month	D	Yr.		
1 Irrig.		.50	25	2	16	Franklin	Dec.	31	1881	185	....
2 Pow'r			25	2	16	"	Dec.	31	1881	185	....
3 " "		6.	25	2	16	"	Nov.	23	1898		483
4 Irrig.		1.06	25	2	16	"	Nov.	23	1898		483
5 " "		6.	18	1	40	Dundy	Oct.	16	1890	117	....
6 " "		2.86	1	1	41	"	Nov.	26	1890	171	....
7 " "		4.	1	1	15	Franklin	Aug.	11	1894	182	....
8 " "		.29	36	2	15	"	Jan.	10	1902		648
9 " "		.37	33	2	14	"	March	6	1899		501
10 " "		1.	4	1	18	Harlan	Feb.	21	1896		251
11 Fish		1.	1	1	11	Webster	May	7	1902		665
12 Pow'r		35.0	11	5	36	Chase	July	31	1886	*178	....
13 " "		28.3	21	6	39	"	Dec.	31	1887	*179	....
14 Irrig.		2.	3	5	38	"	July	1	1888	50	....
15 " "		2.	1	5	38	"	July	1	1888	56	....
16 " "		215.	31	5	33	Hayes	May	16	1890	24 25 29 30	....
17 " "		64.86	23	6	40	Chase	Dec.	23	1890	47	....
18 " "		.50	3	5	38	"	Feb.	2	1891	50	....
19 " "		10.	11	3	32	Hitchcock	Dec.	19	1893	10	....
20 " "		25.	4	5	36	Chase	June	12	1894	62	....
21 " "		12.	33	4	32	Hitchcock	July	28	1894	18	....
22 " "		10.	32	5	33	Hayes	Aug.	23	1894	38	....
23 " "		2.	1	5	38	Chase	Oct.	9	1894	67	....
24 " "		2.	3	5	38	"	Oct.	16	1894	68	....
25 " "		6.	12	6	41	"	Dec.	8	1894	70 71	....
26 " "		2.	15	5	35	Hayes	Dec.	28	1894	42	....
27 " "		5.	3	5	37	Chase	Jan.	14	1895	74	....
28 " "		24.	10	5	37	"	Jan.	14	1895	75	....
29 " "		1.50	17	6	40	"	Feb.	28	1895	79	....
30 Pow'r		30.	18	6	40	"	Sept.	30	1889	1013	....
31 Irrig.		.79	21	6	39	"	Feb.	25	1896		246
32 " "		1.77	25	6	39	"	Dec.	21	1897		423
33 " "		6.43	17	6	40	"	Feb.	10	1898		436
34 Pow'r		34.40	21	6	39	"	Dec.	12	1900		591
35 Irrig.		4.29	35	5	34	Hayes	April	30	1903		705

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Frenchman R.	Follett & Krotter.....	Palisade...	Krotter Power Pl..	1
"	Dissmore, Geo. A.....	Des Moines	Goker Ditch Ext'n.	2
"	Follett & Krotter.....	Palisade...	Follett & Krotter..	3
"	Follett & Krotter.....	"	Krotter Power Pl..	4
"	Jordan, T. T.....	Champion	North Side Irr. D.	5
Horse creek...	Nesbit, J. M., et al.....	Parks.....	Horse Creek Ditch	6
Springs trib. to Horse creek.	Pringle, Esther L.....	"	Pringle Ditch.....	7
Springs trib. to Horse creek.	Pringle, Geo. N.....	Benkelman	Pringle Ditch.....	8
Indian creek..	Thompson & V'n Sickle	"	Thompson & Van Sickle.....	9
"	Kimsey, J. W., C. C....	"	Kimsey Ditch.....	10
"	Wilson, Ed.....	Stratton...	Wilson Ditch.....	11
"	Chamberlain, J. C....	Max.....	Chamberlain Ditch	12
Medicine creek	Cambridge Milling Co.	Cambridge.....		13
"	Sanders, John L.....	Stockville..	Sanders Irr. Plant	14
"	Hagodorn, A. D.....	Curtis.....	Curtis Lake.....	15
"	Maywood Milling Co.	Maywood..	Maywood Mill'g Co	16
Muddy creek..	Phillips, F. C.....	Max.....	Phillips Ditch.....	17
Muddy Ck. trib	Girt, James E.....	Max.....		18
Peppermint Ck.	Betts, N. O.....	Blooming'n	Betts Ditch.....	19
Red Willow Ck.	Moore, Wm. H.....	Indianola..	Red Willow Mill..	20
"	Holland, L. J.....	"	L. J. Holland Ditch	21
"	Helm, John F.....	Red Willow		22
"	Clark, A. R.....	Indianola..	Red Willow Val. M	23
Red Willow Lk	Cooper, James.....	Wallace...		24
Republican R.	Carson, Andrew.....	McCook ...	Carson Ditch No 1.	25
"	Brown, W. A.....	Haigler...	Sand Point D. Co.	26
"	Trites, W. H., et al...	Culbertson	Trites-Davenprt C.	27
"	McCook I. & W. P. Co.	McCook ...	Meeker Canal.....	28
"	Trenton Farmers' Irrigation Association.	Trenton...	Trenton Farm' I. D	29
"	Carson, Andrew.....	McCook ...	Carson Ditch No. 2	30
"	Cambridge & Arapahoe Irr. & Imp. Co.....	Arapahoe..	C. & A. I & I. Co D	31
"	Republican Riv. I. Co.	Benkelman	Rep. R. I. Co. D..	32
"	Larned, W. H., et al...	Haigler...	White & Larned Co	33

STREAMS IN DIVISION 1-B—Continued.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D	Yr.		
1	Pow'r		19.	35	5	34	Hayes	May	12	1903		708
2	Irrig.		20.	8	4	33	Hitchcock	July	6	1903		714
3	"		2.57	35	5	34	Hayes	Aug.	11	1903		720
4	Pow'r		12.	35	5	34	"	April	5	1904		748
5	Irrig.		.10	21	6	39	Chase	July	3	1905		800
6	"		1.86	23	1	39	Dundy	Aug.	31	1885	{ 159 173	
7	"		.57	11	1	39	"	Jan.	12	1897		364
8	"		1.57	14	1	39	"	May	11	1906		824
9	"		.93	8	2	37	"	June	20	1895		237
10	"		.31	10	2	37	"	June	20	1895		261
11	"		1.43	23	2	36	"	June	22	1895		268
12	L.fish		.06	18	2	36	"	Oct.	4	1895		240
13	Pow'r		68.	29	4	25	Furnas	Dec.	31	1878	{ 92 93	
14	Irrig.		1.43	27	7	27	Frontier	Feb.	8	1895		83
15	W. S.			32	8	28	"				*364	
16	Pow'r		11.88	16	8	29	"	May	4	1907		858
17	Irrig.		.26	2	2	36	Dundy	June	19	1895		235
18	Fish.		1.	35	3	37	"	June	8	1908		905
19	Irrig.		.33	28	2	15	Franklin	Jan.	13	1898		430
20	Pow'r			16	3	28	Red Willow	Jan.	1	1886		181
21	Irrig.		35.	16	3	28	"	Jan.	23	1891		95
22	"		2.	17	3	28	"	Feb.	18	1895		111
23	"		14.29	31	4	28	"	Feb.	27	1905		781
24	"		2.	36	9	33	Lincoln	Dec.	20	1893		647
25	"		1.43	27	3	30	Red Willow	July	1	1888		103
26	"		11.	11	1	42	Dundy	Sept.	25	1890		115
27	"		7.	20	3	31	Hitchcock	Dec.	18	1890		3
28	"		143.	15	3	31	"	Dec.	22	1890	{ 4, 9 8, 7	
29	"		32.	10	2	34	"	Dec.	24	1890		5
30	"		18.	27	3	30	Red Willow	May	5	1891		102
31	"		170.	28	4	25	Furnas	Aug.	26	1891		89
32	"		30.	29	1	38	Dundy	May	2	1892		147
33	"		3.	22	1	40	"	April	29	1893		148 150

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-office Address	Name of Ditch	
Republican R.	Marr, Lorenzo.....	Culbertson.	Marr Ditch.....	1
"	Anderson, Anders.....	Benkelman.	Anders Anderson D	2
"	Groesbeck & Cannon.....	Max.....	Groesbeck Ditch.....	3
"	Thomas, A. J.....	Haigler.....	Thomas Ditch.....	4
"	Ballard, Henry L.....	Oxford.....	Ballard Ditch.....	5
"	Byfield, William.....	McCook.....	Byfield Ditch.....	6
"	Wilcox, F. S.....	".....	Wilcox Ditch.....	7
"	Delaware-Hickman D. Co.....	Benkelman	Delaware-Hickman Ditch.....	8
"	Allen, E. M., et al.....	Arapahoe..	Allen Irr. Ditch...	9
"	Spoooner, J. A.....	Parks.....	Private Ditch.....	10
"	Lee, Wm.....	McCook.....	Harmon IcePond D	11
"	Walsh, Patrick.....	".....	P. Walsh Canal....	12
"	Dundy Co. Irr. Co.....	Benkelman.	Dundy Co. Ditch... 13	
"	Neighbor, E. G.....	".....	Neighbor Ditch... 14	
"	Rep. River Irr. Co.....	".....	Rep. Riv. Irr. Can. 15	
"	Eller, T. A., et al.....	Trenton....	Campbell Canal... 16	
"	Bixler, H. K.....	McCook....	Bixler Canal..... 17	
"	Holmes & Izett.....	Denver, Col	Interstate Canal.. 18	
Rep. Riv. S. Fk	Karr, J. W.....	Benkelman.	Karr's Ditch..... 19	
"	Riverside Ditch Co.....	".....	Riverside Ditch... 20	
"	McDonald, J. A.....	".....	McDonald Ditch... 21	
Rock Creek...	Highland, E. F., et al...	Denver, Col	Phelan Ditch..... 22	
"	Owens, J. S., et al.....	Parks.....	Owens' Ditch..... 23	
"	Campbell, R. R.....	".....	Rock Creek D. Co. 24	
Sappa Creek..	Zulauf, Geo. W.....	Stamford..	Stamford Mills... 25	
Spring Creek..	Callihan, Oscar.....	Benkelman.	Benkelman Ditch.. 26	
Stinking W. C.	Chase Co. Land & Live Stock Co.....	Beatrice....	Chase Co. L. & L. S. Co. Ditch 2... 27	
Stinking W. C.	McLain, Frank.....	Imperial... 28	McLain Ditch..... 28	
"	Chase Co. L. & L. S. Co	Beatrice....	Chase Co. L. & L. S. Co., Ditch 7... 29	
"	"	".....	Chase Co. L. & L. S. Co., Ditch 6... 30	
"	"	".....	Chase Co. L. & L. S. Co., Ditch 5... 31	
"	"	".....	Chase Co. L. & L. S. Co., Ditch 3... 32	
"	"	".....	Chase Co. L. & L. S. Co., Ditch 4... 33	

STREAMS IN DIVISION L-B *Continued.*

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D.	Yr.		
1	Irrig.		4.29	16	3	31	Hitchcock	Jan.	22	1894	11	.....
2	"		2.	1	1	37	Dundy	Jan.	26	1894	151	.....
3	"		10.	10	1	37	"	March	27	1894	153	.....
4	"		2.	24	1	40	"	June	5	1894	154	.....
5	"		8.	8	3	21	Furnas	June	9	1894	91	.....
6	"		12.	23	3	29	Red Willow	June	11	1894	108	.....
7	"		4.50	32	3	29	"	Oct.	4	1894	109	.....
8	"		20.	17	1	37	Dundy	Jan.	7	1895	157	.....
9	"		14.	2	3	26	Red Willow	Jan.	26	1895	110	.....
10	"		1.	25	1	40	Dundy	Oct.	7	1897	.....	413
11	Ice		10.	32	3	29	Red Willow	Jan.	22	1900	.....	535
12	Irrig.		11.	35	3	30	"	Jan.	31	1900	.....	537
13	"		45.	24	1	39	Dundy	Nov.	22	1890	.....	118
14	"		2.86	24	1	39	"	March	18	1891	.....	133
15	"		20.	29	1	38	"	Aug.	22	1900	.....	577
16	"		9.14	9	2	34	Hitchcock	July	13	1906	.....	828
17	Pow'r		8.	24	3	29	Red Willow	Feb.	4	1908	.....	889
18	Irrig.	40,000 acre ft		18	1	41	Dundy	Sept.	26	1908	.....	*916
19	"		2.	20	1	37	Dundy	July	28	1894	.....	155
20	"		13.	29	1	37	"	Aug.	5	1894	.....	156
21	"		.79	36	1	38	"	Nov.	13	1901	.....	644
22	"		4.29	17	1	39	"	Dec.	31	1883	.....	138
23	"		.36	31	2	39	"	June	20	1895	.....	265
24	"		.33	13	2	40	"	Dec.	18	1899	.....	526
25	Pow'r	41		21	2	20	Harlan	.....	.....	.....	.....	*997
26	Irrig.		1.29	19	1	37	Dundy	Dec.	31	1896	.....	373
27	"		2.86	10	7	38	Chase	March	10	1894	.....	57
28	"		2.50	28	7	37	"	Sept.	24	1894	.....	65
29	"		4.57	36	7	37	"	Dec.	21	1894	.....	72 175
30	"		2.	13	7	38	"	Jan.	28	1895	.....	76
31	"		1.50	14	7	38	"	Jan.	29	1895	.....	77
32	"		1.71	14	7	38	"	Jan.	29	1895	.....	78
33	"		.91	14	7	38	"	June	27	1895	.....	56

*Pending

REPORT OF SECRETARY

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Stinking W. C.	Kilpatrick Bros.....	Beatrice...	Chase Co. L & L. S. Co., Ditch 1..	1
"	Troutman, A. C.....	Palisade...	E. L. Light & Pow- er Co.....	2
Turkey Creek..	Wilt & Polly.....	Naponee...	.....	3

STREAMS IN DIVISION 1-B—*Concluded.*

Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
			S.	T.	R.	County	Month	D	Yr.		
1 Irrig. ....		.70	4	7	38	Chase.....	June	27	1895	.....	57
2 Pow'r		30.	30	5	33	Hayes.....	June	30	1908		907
3 "			4	1	16	Franklin. ...	Dec.	31	1874	*183	....

*Pending

REPORT OF SECRETARY

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch
Little Blue....	Myers & Seidenburg...	Oak.....	Oak Mill-Race.... 1

STREAMS IN DIVISION 1-C

Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
			S.	T.	R.	County	Month	D	Yr.		
1 Pow'r	1.43	.....	16	3	5	Nuckolls.....	.....	.....	.....	*991	.....

*Pending

CLAIMS AND APPLICATIONS

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Bear creek....	Wolfe, J. V.....	Lincoln....	Wat. Wks. Instit'ce for Feeble-Minded	1
Beaver creek..	Wright, G. D.....	York.....	.....	2
Blue R. W. Fk.	Kersenbrock, J. H....	Columbus..	J. Kersenbrock Ir P	3
“	“	“	Kersenbrock Pr. Pl.	4
Turkey creek..	Lane, J. K.....	Pl'sant Hill	.....	5
“	“	“	Lane's Model Ditch	6

BY STREAMS IN DIVISION 1-D.

Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
			S	T	R	County	Month	D	Yr.		
1 D& Ir	1.	36	4	6E	Gage.....	May	20	1898	.....	455
2 Pow'r	40.	7	10	2W	York.....	Nov.	1	1878	963	.....
3 Irrig.	7.14	32	9	3E	Seward.....	Dec.	20	1895	.....	211
4 Pow'r	105.	32	9	3E	"	Dec.	20	1895	.....	214
5 " all	4	7	3E	Saline.....	.....	.....	.....	*990	.....
6 Irrig.	1.21	4	7	3E	"	July	16	1895	.....	81

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Lodge Pole....	Bickel, L. W.....	Kimball ...	Bay State Ditch...	1
"	Adams & Tobin.....	Sidney.....	Adams & Tobin D.	2
"	Gunderson, A.....	Potter.....	Gunderson D.....	3
"	Runge, G.....	Sidney.....	Runge Ditch No. 1.	4
"	Runge, G.....	"	Runge Ditch No. 2.	5
"	Anderson, John.....	"	Anderson Dit. No 1	6
"	Bennett Live Stock Co.	Kimball....	Circle Arrow Ditch	7
"	Pomeroy, E. V. S., et al	Sidney.....	Urbach Ditch.....	8
"	DeGraw, Geo.....	"	Hale Ditch No. 3..	9
"	DeGraw, Geo.....	"	Hale Ditch No. 4..	10
"	Hale, L. H.....	"	Hale Ditch No. 5..	11
"	Whitney, W. T.....	Seattle, W.	Whitney Ditch.....	12
"	Booth, Firth.....	Lodge Pole.	Booth's Canal....	13
"	McAuliffe, F.....	Chappell...	McAuliffe Ditch...	14
"	Kinney, J. J.....	Kimball ...	Kinney Ditch No 2.	15
"	Libby, H. H.....	Lodge Pole.	Libby Ditch.....	16
"	Dickinson, F.....	"	"	17
"	Howard, A. T.....	"	Howard Ditch.....	18
"	Krueger, Richard.....	Sidney.....	Krueger Dit. No. 3	19
"	Wolf, H. D.....	Chappell...	Wolf Ditch.....	20
"	Bennett, L. S. Co.....	Kimball ...	McIntosh Ditch ...	21
"	Krueger, Richard.....	Sidney.....	Krueger Dit. No 2.	22
"	Borgquist, C. E.....	"	Borquist Canal...	23
"	Borgquist, C. E.....	"	"	24
"	Whitney, W. T.....	Seattle, W.	Upper Whitney D.	25
"	McLaughlin, M.....	Sidney.....	McLaughlin Ditch.	26
"	DeGraw, Geo.....	"	Hale Ditch No. 1..	27
"	Mitchell, J.....	"	"	28
"	Tobin, M. H.....	"	Tobin Ditch.....	29
"	Bordwell, L. H.....	"	Bordwell Ditch....	30
"	Kinney, L. C.....	Pine Bluffs,	"	
"	"	Wyo.....	Premier Ditch.....	31
"	Kinney, S. A.....	"	Smeed Ditch.....	32
"	Bordwell, L. H.....	Sidney.....	Bordwell Ditch...	33
"	Eubank, John.....	Kimball ...	Polly Ditch.....	34
"	Cook, Chas.....	Pine Bluffs,	"	
"	"	Wyo.....	Independent Ditch.	35
"	Howe, H. H.....	Kimball ...	"	36
"	Kinney, J. J.....	"	Kinney Ditch.....	37
"	Young, W. T.....	"	Young Ditch.....	38
"	Yoder, B. F.....	"	Ruttner Ditch.....	39
"	Oberfelder, R. S.....	Sidney.....	Oberfelder Ditch..	40
"	DeGraw, Geo.....	"	Hale Ditch No. 2..	41
"	Bullock, W. C.....	Lodge Pole.	"	42
"	Persinger, A. B.....	"	Persinger Ditch...	43
"	Krueger, Richard.....	Sidney.....	Krueger Dit. No. 1	44
"	Bennett, L. S. Co.....	Kimball ...	Brady Ditch.....	45
"	Gross, C. J.....	Pine Bluffs,	"	
"	"	Wyo.....	Hoover Ditch.....	46

STREAMS IN DIVISION I-E.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D	Yr.		
1	Irrig.		1.50	29	15	55	Kimball....	Dec.	31	1876	347	.....
2	"		1.14	35	14	50	Cheyenne....	Oct.	1	1878	368	.....
3	"		1.43	1	14	52	"	June	1	1879	305	.....
4	"		1.71	20	14	50	"	April	15	1880	339	.....
5	"		0.50	20	14	50	"	April	15	1882	338	.....
6	"		2.50	8	14	51	"	June	30	1882	373	.....
7	"		3.71	30	15	54	Kimball....	July	1	1882	346	.....
8	"		0.86	14	14	51	Cheyenne....	Sept.	1	1882	308	.....
9	"		0.57	36	14	49	"	April	30	1883	320	.....
10	"		0.71	36	14	49	"	April	30	1883	321	.....
11	"		0.57	36	14	49	"	April	30	1883	322	.....
12	"		2.29	31	14	48	"	May	1	1883	317	.....
13	"		4.29	29	14	47	"	May	31	1883	309	.....
14	"		2.29	21	13	45	Deuel....	Dec.	31	1884	814	.....
15	"		2.71	33	15	56	Kimball....	Dec.	31	1884	388	.....
16	"		2.	36	14	47	Cheyenne....	Dec.	31	1884	312	.....
17	"		1.14	26	14	47	"	Jan.	1	1885	969	.....
18	"		0.86	31	14	47	"	April	10	1885	336	.....
19	"		1.14	32	14	48	"	May	1	1885	323	.....
20	"		1.	18	13	45	Deuel....	Dec	31	1885	813	.....
21	"		3.31	23	15	55	Kimball....	April	16	1886	351	.....
22	"		2.29	32	14	48	Cheyenne....	Oct.	10	1886	324	.....
23	"		1.29	34	14	49	"	April	30	1887	301	.....
24	"		0.71	34	14	49	"	April	30	1887	300	.....
25	"		2.29	36	14	49	"	May	1	1887	316	.....
26	"		1.	26	14	48	"	May	1	1887	966	.....
27	"		1.14	36	14	49	"	July	1	1887	318	.....
28	"		0.86	8	14	51	"	Sept.	1	1887	304	.....
29	"		2.29	28	14	47	"	July	31	1888	330	.....
30	"		1.43	35	14	49	"	Aug.	1	1888	303	.....
31	"		2.43	3	14	58	Kimball....	April	11	1889	340	.....
32	"		1.43	8	14	58	"	April	12	1889	341	.....
33	"		0.86	35	14	49	Cheyenne....	April	27	1889	302	.....
34	"		0.79	30	15	55	Kimball....	May	6	1889	342	.....
35	"		3.14	7	14	58	"	May	6	1889	343	.....
36	Ir.&P		0.43	30	15	55	"	May	6	1889	344	.....
37	Irrig.		2.	33	15	56	"	May	14	1889	345	.....
38	"		0.50	33	15	57	"	May	28	1889	349	.....
39	"		1.14	21	15	56	"	June	4	1889	350	.....
40	"		0.43	31	14	46	Cheyenne....	June	10	1889	333	.....
41	"		0.43	36	14	49	"	June	26	1889	319	.....
42	"		9.14	3	13	46	Deuel....	June	25	1889	296	.....
43	"		4.57	33	14	46	"	June	25	1889	297	.....
44	"		3.	29	14	48	Cheyenne....	June	26	1889	325	.....
45	"		.71	28	15	54	Kimball....	Aug.	16	1889	352	.....
46	"		1.43	12	14	59	Kimball....	Sept.	4	1889	353	.....

CLAIMS AND APPLICATIONS

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Lodge Pole.	Ickes, C. S.	2232 W. 34 Av. Denver	Ickes Ditch.	1
"	Adams, J. M.	Potter	Adams Ditch.	2
"	Girrad, F. G. & A. B.	Kimball	Hurley, Lilly & Polly Ditch.	3
"	Christenson, H. L.	Sidney	Christenson Ditch.	4
"	Christenson, H. L.	"	Christenson D No 1	5
"	Trognitz, C.	"	Trognitz Canal.	6
"	Oberfelder, R. S.	"	Oberfelder Ditch.	7
"	Krueger, R.	"	Richard Krueger D	8
"	Anderson, J.	"	Anderson D. No. 2	9
"	Adams, J. M.	Potter	Adams Ditch.	10
"	Lyngholm, N. P.	Sidney	Lyngholm Ditch.	11
"	Adams, J. M.	Potter	Adams Ditch.	12
"	Dickinson, F.	"	"	13
"	Burg, C. C.	Dix	"	14
"	Bullock, W. C.	Lodge Pole	Bullock Canal.	15
"	Forsling, A.	Kimball	Maltese Cross.	16
"	Kinney, L. C.	Bushnell.	Bushnell Ditch.	17
"	Wiegand, Henry G.	Chappell.	Wiegand Canal.	18
"	Neuman, A. G.	"	Neuman C. No. 1 & 2	19
"	McHatton, James W.	"	Wertz Bros. D.	20
"	Neuman, G. R.	"	Neuman Ditch.	21
"	Johnson, J. C.	"	Johnson Ditch.	22
"	Bennett, L. St. Co.	Ch'yne Wy.	Bennett L. S. Res.	23
"	Nasland, J. A.	Chappell.	Nasland Ditch.	24
"	Clausen, John	Dix	Clausen S. S. Dit.	25
"	Clausen, John	Chappell.	Clausen N. S. Dit.	26
"	Bennett, L. St. Co.	Ch'yne Wy.	Bennett L.S. Co's D	27
"	Forsling, Alf.	Kimball.	Forsling Ditch.	28
"	Forsling, C. A.	"	"	29
"	Bickel, L. W.	"	Bickel Ditch.	30
"	Pomeroy, E. V. S.	Sidney	Pomeroy Dit. No. 1	31
"	Faden, E. L.	Kimball.	"	32
"	Bennett, L. St. Co.	Ch'yne Wy.	Owasco.	33
"	Yoder, B. F.	Kimball.	New Ruttner.	34
"	Bennett, L. St. Co.	Ch'yne Wy.	Owasco.	35
"	Forsling, Alfred.	Kimball.	Forsling Ditch.	36
"	Clarke, H. A.	Columbus.	Clarke Ditch.	37
"	McNew, H. C.	Julesburg, Colo.	Ralton	38
"	"	Julesburg, Colo.	Smith.	39
"	Forsling, Clarence.	Kimball.	Yoder Extention.	40
"	Walker, I. S.	"	Walker Ditch.	41
"	Wilkinson, Mrs. John.	Pine Bluff, Wyo.	Tracy Ditch.	42
"	McNew, H. C.	Julesburg, Colo.	Ralton	43

STREAMS IN DIVISION 1-E—Continued.

Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
			S.	T.	R.	County	Month	D	Yr		
1 Irrig.		2.50	33	14	50	Cheyenne	March	25	1891	329	....
2 "		1.43	3	14	52	"	July	1	1891	371	....
3 "		2.57	26	15	56	Kimball	Oct.	1	1891	354	....
4 "		.57	7	14	51	Cheyenne	April	15	1893	366	....
5 "		.43	7	14	51	"	April	15	1893	367	....
6 "		1.	36	14	50	"	June	1	1893	365	....
7 "		2.	31	14	46	"	Dec.	30	1893	306	....
8 "		1.	29	14	48	"	May	1	1894	968	....
9 "		.57	10	14	51	"	June	1	1894	372	....
10 "		1.43	10	14	52	"	Sept.	1	1894	370	....
11 "		.36	14	14	51	"	Nov.	1	1894	337	....
12 "		.50	10	14	52	"	Aug.	1	1895	369	....
13 "		2.29	33	14	47	"	May	10	1896	967	....
14 "		.14	30	15	53	Kimball	March	3	1897	....	381
15 "		.57	4	13	46	Deuel	Feb.	16	1898	....	437
16 "		.21	36	15	57	Kimball	May	16	1898	....	454
17 "		3.	2	14	58	"	April	15	1899	....	504
18 "		2.	17	13	45	Deuel	May	31	1900	....	563
19 "		1.89	36	13	45	"	June	12	1900	....	565
20 "		2.86	12	13	46	"	Feb.	14	1901	....	600
21 "		1.29	26	13	45	"	April	17	1901	....	611
22 "		2.01	23	13	45	"	April	17	1901	....	612
23 "		700 acre									
		feet	21	15	55	Kimball	March	13	1902	....	657
24 "		.90	1	12	45	Deuel	April	16	1902	....	661
25 "		.57	27	15	54	Kimball	July	25	1902	....	683
26 "		.57	26	15	54	"	July	25	1902	....	684
27 "		1.87	23	15	55	"	Oct.	2	1902	....	691
28 "		1.50	34	15	57	"	April	24	1903	....	703
29 "		2.86	33	15	56	"	July	25	1903	....	718
30 "		.93	30	15	55	"	Aug.	3	1903	....	719
31 "		.57	15	14	51	Cheyenne	Aug.	20	1903	....	723
32 "		.14	30	15	55	Kimball	Sept.	9	1903	....	724
33 "		11.	29	15	55	"	Sept.	12	1903	....	725
34 "		.51	36	15	57	"	Sept.	16	1903	....	727
35 "		1.75	29	15	55	"	Dec.	15	1903	....	734
36 "		.79	34	15	57	"	Dec.	6	1905	....	806
37 "		2.	36	15	57	"	Nov.	16	1906	....	842
38 "		19.86	36	13	45	Deuel	Jan.	4	1907	....	847
39 "		3.57	12	12	45	"	Aug.	18	1906	....	850
40 "		2.86	36	15	57	Kimball	April	9	1907	....	857
41 "		1.57	31	15	56	"	Sept.	16	1907	....	869
42 "		.50	12	14	59	"	Sept.	21	1907	....	870
43 "	12.4		36	13	45	"	Dec.	4	1907	....	*882

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Lodge Pole....	Walker, I. S.....	Kimball ...	Kimball Storage..	1
"	Ruttner, Carl.....	Sidney.....	Ruttner Canal.....	2
Spg. Ck. trib.				
Lodge Pole..	Oberfelder, R. S.....	Sidney.....	Oberfelder Ditch..	3
"	Chambers, C. P.....	"	Private Ditch.....	4
S. Br. trib. L. P	Libby, H. H.....	Lodge Pole.	Spring Br. Ditch..	5

STREAMS IN DIVISION 1-E—*Concluded.*

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	Appl. No.
				S.	T.	R.	County	Month	D.	Yr.		
1	Irrig.		20,000 acre ft.	36	15	57	Kimball.....	April	15	1908	.....	897
2	"	0.50		30	14	47	Cheyenne....	June	25	1908	.....	*906
3	"		2.29	31	14	46	"	May	29	1889	307	....
4	"		.04	14	13	51	"	March	19	1895	335	....
5	"		.29	36	14	47	"	July	1	1901	.....	623

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Nemaha River, Middle Br...	Christy, H. R.....	Palmyra...	Christy Ditch.....	1

STREAMS IN DIVISION 1-F.

Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
			S.	T.	R.	County	Month	D	Yr.		
1 Irrig. ....		.57	4	8	9E	Otoe.....	Aug.	13	1895	.....	115

CLAIMS AND APPLICATIONS

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Barton creek..	Lewis, Geo. H.....	Syracuse, N. Y.....	Lewis and Baxter.	1
Beaver river..	Quackenbush, J. W....	Albion....	Pioneer Ditch.....	2
"	Babcock, H. E.....	Columbus..	Great Eastern Can.	3
"	Long, Wm. M.....	Genoa.....	Windmill Irr.....	4
"	Rice, H.....	Albion....	Albion E. L. & P.P.	5
Cedar river ...	Neb. Irr. & Power Co..	Ord.....	Cedar River Canal	6
"	Bennett, I. I.....	Hastings..	Fullerton Elec.&P.	7
"	Hord, T. B.....	Omaha.....	.....	8
Cow creek.....	Edgar, H. R.....	Brownlee ..	Homestead Ditch..	9
Dry creek, trib to Calamus..	Fisher, Conrad.....	Burwell....	Fisher Canal.....	10
Goose creek...	Erickson, P. C. & J. M.	Brewster...	Erickson Ditch....	11
"	Giles, R. P., et al....	Purdum....	Giles Ditch.....	12
"	Crook, F.....	Giles.....	Crook Ditch.....	13
Gracie creek ..	Krueger, G.....	Prime.....	Gracie High Line..	14
LookingGlasce	Gerrad, E. A. & F H..	Monroe....	Monroe Irr. Ditch..	15
"	Babcock, H. E.....	Columbus..	Great Eastern Can.	16
Loup river	Babcock, H. E.....	"	"	17
"	Neb. Cen. Irr. Co.....	"	New York Canal..	18
"	Neb. Cen. Irr. Co.....	"	Great Eastern Can.	19
"	Neb. Cen. Irr. Co.....	"	"	20
"	Neb. Cen. Irr. Co.....	"	Columbus Power P.	21
"	Neb. Cen. Irr. Co.....	"	Columbus Devel'mt	22
"	Babcock, H. E.....	"	Loup River P. P...	23
Loup river N Br	Nor. Loup Irr & Im. Co	North Loup	North Loup Ditch.	24
"	Lee, J. R.....	Brownlee ..	Lee Ditch	25
"	Burwell Irr. Co.....	Burwell...	Burwell Irr. Ditch.	26
"	Newton Irr Co.....	Moulton...	Newton Irr. Canal.	27
"	Erickson, P. C.....	Brewster...	State Central Can.	28
"	Tzschuck Canal Co....	Taylor.....	Tzschuck Canal ...	29
"	Benedict, E. H.....	O'Neill.....	.....	30
Loup R Mid Br	Sherman Co. Irr. Wat. Pr. & Imp. Co.....	Loup City..	Sherman Co. Can..	31
"	Middle Loup Valley Ir. Canal Co.....	Sargent...	Mid. Loup Val I.C.	32
"	Douglas Grove Ir. Dist.	Wescott....	Westcott Irr. Ditch	33

BY STREAMS IN DIVISION 2-A.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S	T	R	County	Month	D	Yr.		
1	Irrig.		3.	6	24	19	Loup.....	July	20	1904	.....	764
2	"		3.57	22	20	6	Boone.....	Dec.	8	1894	287	.....
3	"			24	17	4	Nance.....	Jan.	22	1896	.....	219b
4	"		.14	14	17	4	".....	March	31	1896	.....	277
5	Pow'r		67.	26	20	6	Boone.....	Oct.	3	1901	.....	639
6	Irrig.		175.	22	21	12	Wheeler.....	Sept.	14	1894	221	.....
7	Pow'r		200.	12	16	6	Nance.....	Sept.	9	1901	.....	636
8	"			1	17	7	".....	April	1	1905	.....	*787
9	Irrig.		2.29	7	26	27	Cherry.....	July	14	1894	194	.....
10	"		4.29	24	23	17	Garfield.....	Dec.	27	1905	.....	807
11	"		8.	18	25	24	Brown.....	April	3	1895	209	.....
12	"		10.	2	25	25	Cherry.....	June	1	1895	187	.....
13	"		6.80	33	25	24	Brown.....	June	2	1896	.....	345
14	"		.29	29	23	17	Loup.....	July	9	1897	.....	397
15	"		2.86	1	17	3	Platte.....	June	12	1894	289	.....
16	"		64.33	5	17	3	".....	Jan.	22	1896	.....	219b
17	"		64.33	27	17	4	Nance.....	Jan.	22	1896	.....	219b
18	"		300.	13	15	8	".....	April	28	1896	.....	291
19	Pow'r		800.	27	17	4	".....	Dec.	26	1899	.....	527
20	Irrig.		200.	27	17	4	".....	Dec.	26	1899	.....	527
21	Pow'r		1200.	27	17	4	".....	Feb.	1	1902	.....	653
22	P. & I		2700.	27	17	4	".....	June	10	1903	.....	709
23	Pow'r	3,200		28	17	4	".....	July	30	1906	.....	*829
24	Irrig.		143.	27	19	14	Valley.....	Sept.	30	1893	227	.....
											228	.....
											232	.....
25	"		40.	25	27	29	Cherry.....	August	7	1894	188	.....
											189	.....
26	"		110.	27	21	17	Loup.....	Sept.	7	1894	224	.....
27	"		115.14	35	23	21	Blaine.....	Feb.	5	1895	205	.....
28	"		51.43	27	23	22	".....	Sept.	10	1895	.....	152
29	"		242.86	30	22	19	Loup.....	June	5	1896	.....	301
30	"		800.	..	28	32	Cherry.....	August	16	1906	.....	*833
31	Pow'r		125.	26	17	16	Valley.....	Fall of	..	1888	229	.....
32	Irrig.		560.29	15	21	22	Blaine.....	June	6	1894	202	.....
33	"		88.57	15	19	18	Custer.....	August	8	1894	214	.....

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Loup R. Mid Br	Sherman Co. Irr. Wat. Pr. & Imp. Co.	Loup City..	Sherman Co. Can.	1
"	Thefdard Irr. & Pr. Co.	Thefdord ..	Thefdord Ditch.	2
"	Purdum, J. W.	"	Norway Irr. Ditch	3
"	Lillian P. D. & P. Co.	Gates	Lillian Prec. D....	4
"	Butcher, A., et al	Gates	Butcher&Greible D	5
"	Jewett, L. H.	BrokenBow	Jewett D.	6
"	Harris, L. H.	Dunning...	Harris Canal.	7
"	Patton, J. A.	Ord	Arcadia Canal.	8
"	Webster, L. E.	Westcott...	Webster Canal.	9
"	Sargent, R. H.	Walworth..	Walworth Mills.	10
"	Dierks, John.	Comstock..	Mid,Loup Elec.P'co	11
Loup R. So. Br	Tillson, W. Z.	Poole Sidg.	Tillson Ditch.	12
"	Boblitz, E. J.	Tuckerville	Boblitz Ditch.	13
"	Boblitz, E. J.	"	Boblitz Ditch.	14
"	Callaway Mill Co.	Calaway...	"	15
"	Brown, A. D.	Milldale..	Brown Canal.	16
"	Brown, A. D.	"	Brown Canal.	17
"	Hartzell, B. F.	Logan	Hartzell's Ditch.	18
Muddy creek ..	Penn, C.	BrokenBow	Penn's Ditch	19
"	Benson, Wm. C.	Litchfield..	Litchfield Mills.	20
Platte river ...	Fremont C. & P. Co ...	Fremont...	Fremont Canal.	21
"	Keene, Lewis M.	"	Fremont Pr. Canal	22
"	Rosewater, A.	Omaha	Fremont P. Plant. ...	23
"	Craig, G. W.	"	Omaha Gen. P. P. ...	24
"	Richards, L. D.	Fremont...	Fremont Gen.P. Co	25
"	Fremont & Omaha P'Co.	Omaha	Fremont & Omaha C	26
Platte & Elkh.	Seymour Park Can. & Water Power Co.	"	Seymour Park Can	27
"	Patterson, D. C.	"	Omaha Power Co.C	28
Shell creek.	Schmitt, P.	Columbus..	Schmitt's Irr. Can.	29
"	Schmitt, P.	"	Schmitt's Irr. Can.	30
"	Gottberg, M.	"	Gottberg Irr. Pl. ...	31
"	Babcock, H. E.	"	Great Eastern Can.	32
Spring creek ..	Hendryx, H. J.	Monroe....	Hendryx Ditch.	33
Victoria creek.	Daily, Gilligan & Co..	Anselmo ...	Victoria Irr. Plant	34
"	Victoria Ditch Ass'n..	Gates.	Victoria Ditch.	35
"	Laughran, T., et al.	New Helena	Laughran & Bell D	36

STREAMS IN DIVISION 2-A—Concluded.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate			Date of Priority			Docket No.	App. No.	
				S.	T.	R.	County	Month	D.			Yr.
1	Irrig.		244.	26	17	16	Valley	August	13	1894	229	....
2	"		43.	4	23	29	Thomas	August	25	1894	198	....
3	"		2.86	31	24	29	"	Sept.	8	1894	199	....
4	"		140.00	30	21	21	Blaine	Oct.	19	1894	204	....
5	"		18.29	36	20	21	Custer	Feb.	17	1895	220	....
6	"		4.29	30	22	24	Blaine	August	12	1895	....	113
7	"		5.71	16	22	25	"	Feb.	21	1896	....	248
8	"		20.	16	17	16	Valley	March	6	1896	....	262
9	"		1.71	20	19	17	Custer	March	5	1898	....	442
10	Pow'r		27.	35	20	20	"	August	16	1900	....	573
11	"		1000.	35	18	17	"	Nov.	11	1904	....	774
12	Irrig.		15.57	29	12	15	Buffalo	Dec.	28	1894	236	....
13	"		.50	10	14	21	Custer	Jan.	17	1895	219	....
14	Pow'r		20.	10	14	21	"	Jan.	17	1895	219	....
15	"	83		2	15	23	"				*988	....
16	Irrig.		.86	31	17	24	"	Feb.	23	1897	....	363
17	Pow'r		60.	31	17	24	"	Feb.	23	1897	....	363
18	Irrig.		.37	27	18	26	Logan	May	18	1897	....	390
19	Irrig.		.50	33	17	20	"	August	14	1894	215	....
20	Pow'r	54		33	14	16	Sherman				*999	....
21	P. & I.		2500.	30	17	4E	Butler	June	21	1895	....	40
22	Pow'r		2500.	30	17	4E	"	Jan.	2	1900	....	530
23	"		1500.	29	17	4E	"	July	6	1901	....	624
24	"	1500		30	17	4E	"	June	12	1905	....	*796
25	"	2000		29	17	4E	"	Sept.	6	1905	....	*802
26	"	2000		30	17	4E	"	March	25	1908	....	*894
27	I. & P.		{ 180 I 1500P	1	16	8E	Dodge	Oct.	25	1898	....	480
28	Pow'r	1800		1	16	8E	"	March	25	1908	....	*893
29	Irrig.		3.	19	18	1E	Platte	Dec.	17	1894	292	....
30	Pow'r		30.50	19	18	1E	"	Dec.	17	1894	292	....
31	Irrig.		1.	24	18	1	"	June	6	1895	....	2
32	"			27	17	4	Nance	Jan.	22	1896	....	2196
33	"		1.33	2	17	3	Platte	June	25	1894	290	....
34	"		2.29	1	19	21	Custer	March	17	1894	210	....
35	"		4.29	1	19	21	"	July	17	1894	213	....
36	"		4.	3	19	21	"	Sept.	22	1894	217	....

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-office Address	Name of Ditch	
Battle creek...	Sanders, J. E.....	Battle ck...	Battle Creek Mills	1
"	Sanders, J. E.....	"	"	2
Elkorn river...	Rehberg, F. X. & Co...	Atkinson...	Atkinson Mill.....	3
"	Elkhorn Irr. Co.....	O'Neill.....	Elkhorn Irr. Can..	4
"	Davis, J.....	"	Davis Ditch.....	5
"	Carlton, T.	"	Carlton Ditch No.1	6
"	Carlton, T.	"	Carlton Ditch No.2	7
"	Ashton, W. B.....	"	.....	8
"	Cain, N. E., et al.....	"	.....	9
"	Murphy, J. G., et al...	Atkinson...	Atkinson Milling & Irr. Co. Ditch...	10
Elkhorn, N.Fk.	Sugar Cy. Cereal.....	Norfolk....	Sugar Cy. Cereal..	11
Elkhorn, S. Br.	Sanders, M. T.....	Ewing.....	Flouring Mill.....	12
Middle creek ..	Malone, Robert.....	Lincoln....	Malone Ice Plant..	13
Oak creek	Eiche, Herman.....	"	Eiche Irrig. Plant.	14
Platte & Elk...	Rosewater, A.....	Omaha.....	Omaha PowerPlant	15
"	Riley, J. E.....	"	Platte River Canal	16
"	Craig, Geo. W.....	"	Om. Gen. P'r Plant	17
Platte, Elk and Buffalo creek	Riley, J. E.....	"	Plattsmouth P.Pl'nt	18
Springs	Newton Land Co.....	"	Sp. Br. Aqueduct.	19
Silver creek...	Armour & Co.....	So. Omaha.	Armour & Co. Res.	20
Union and Tay- lor creeks...	Bley, Louis G.....	Madison...	Union Val.R. Mills	21
Wahoo creek..	Swift & Co.....	Omaha.....	Swift & Co. Res'rv	22

STREAMS IN DIVISION 2-B—*Concluded.*

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D	Yr.		
1	Pow'r		10.67	36	24	3	Madison	Nov.	12	1898		484
2	"		20.	36	24	3	"	April	20	1906		818
3	"		38.50	30	30	14	Holt	Nov.	1	1883	271	
4	Irrig.		131.43	22	29	13	"	Feb.	3	1894	259 263	
5	"		1.43	31	29	11	"	Feb.	8	1894	250	
6	"		1.	32	29	11	"	Feb.	8	1894	261	
7	"		5.	30	29	11	"	Feb.	8	1894	262	
8	"		.71	24	29	13	"	Feb.	18	1895	282	
9	"		5.	32	29	11	"	Feb.	20	1895	283	
10	"		2.29	30	30	14	"	Feb.	14	1898		443
11	Pow'r		100.	23	24	1	Madison	March	1	1870	956	
12	"		33.	3	26	9	Holt	August	21	1898		464
13	P. & I		10.	30	10	6E	Lancaster	Dec.	26	1907		883
14	Irrig.		.71	17	10	6E	"	Jan.	4	1899		489
15	Pow'r		3000.	19	15	10E	Douglas	July	9	1901		626
16	"		1250.	29	13	10E	Sarpy	Oct.	31	1901		689
17	"	3000		19	15	10E	Douglas	June	12	1905		643
18	"		1000.	29	13	10E	Sarpy	Sept.	12	1902		*795
19	Irrig.		.07	13	14	13E	"	June	18	1895		687
20	Ice		10.	7	13	9E	Saunders	Oct.	18	1897		29
21	Pow'r	75		32	22	1W	Madison				*998	
22	Ice		10.	34	13	9E	Saunders	Sept.	22	1898		415

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Abitz creek...	Fullerton, J. B.....	Atkinson...	Fullerton D. No. 2	1
Antelope creek.	Julian, A. R., et al....	Gordon....	Antelope Ditch....	2
Ashburn creek.	McFarland, G. W.....	Valentine..	Ashburn Canal....	3
Bear creek....	Skinner, T.....	Sp'gview..	Skinner Ditch....	4
"	Cedarburg, P.....	"	Ced. D. Nos. 1 & 2	5
Beeman ck. Old	Barnard, C. O.....	"	Barnard Ditch....	6
Beeman creek.	Beeman, J. D.....	"	Beeman Ditch....	7
"	Rickman, A. L.....	"	Beeman & Rickman	8
Big Sandy ck.	Pickler, W. S.....	Badger....	Badger Ditch....	9
"	Johnson, C. A.....	Wood Lake	Badger Mill.....	10
Blackbird ck..	Mullen, A. F.....	O'Neill....	Mullen Ditch.....	11
"	Robertson, J. A.....	Joy.....	Robertson Ditch..	12
Bluebird ck....	Murphy, P.....	O'Neill....	Murphy's Ditch....	13
Boardman ck..	Lee, Joseph S.....	Ch'terfield..	Lee Ditch.....	14
Box Butte ck..	Sandoz, Wm.....	Moomaw....	Billy's Ditch.....	15
"	Heaton, D. H.....	"	Heaton Irr. Ditch..	16
Brush creek....	Neb. Townsite Co.....	Perry.....	Brush ck. Pr. Co..	17
Brush ck E Br.	McCarthy, M. H., et al.	O'Neill....	McCarthy No. 1....	18
Brush W. Br..	"	"	McCarthy No. 2....	19
Burton creek..	Mutz, Otto.....	Sp'gview..	Burton Ck Ditch..	20
"	Mutz, Otto.....	"	One Trip Ditch....	21
Canyon.....	Gilmor, Emery.....	Glen.....	Gillmor Canal....	22
Cottonwood ck	Morrissey, Tim.....	Dunlap....	Morrissey's Ditch..	23
"	Fendrich & Lichte.....	"	Fendrick & Lichte Ditch.....	24
Crooked creek.	Mutz, Otto.....	Sp'gview..		25
"	Mutz, Otto.....	"	Crooked Ck Ditch..	26
Cross creek....	Hutchison, W. H.....	Penbrook..	Hutchinson.....	27
Cub creek.....	Tissue & Patterson....	Sp'gview..	Tissue & Patterson Ditch.....	28
"	Josiassin, S.....	Meadville..	McCumber Ditch..	29
Eagle creek....	Alfs, J. D.....	Ray.....	100 Foot D.....	30
"	Alfs, J. D.....	"		31

STREAMS IN DIVISION 2-C.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S	T	R	County	Month	D	Yr.		
1	Irrig.		.36	18	30	13	Holt	March	23	1896		278
2	"		.36	21	32	40	Cherry	June	29	1905		798
3	"		.43	27	34	26	"	June	17	1902		676
4	"		.22	15	32	21	Keya Paha	June	20	1888	609	
5	"		.02	3	32	21	"	Oct.	3	1898		479
6	"		.43	21	32	20	"	June	1	1892	603	
7	"		1.	23	32	20	"	May	20	1892	620	
8	"		.29	23	32	20	"	July	25	1895	613	
9	"		1.14	12	33	14	Holt	May	16	1902		667
10	Pow'r		35.	12	33	14	"	Aug.	28	1902		685
11	Irrig.		1.	20	31	11	"	Aug.	18	1894	267	
12	"		.20	32	31	11	"	Aug.	28	1894	270	
13	"		1.	26	30	11	"	Sept.	7	1894	273	
14	"		6.86	6	29	33	Cherry	April	25	1895	973	
15	"		.21	29	29	45	Sheridan	Jan.	13	1900		533
16	"	1.		3	28	46	"	May	6	1908		*601
17	Pow'r		15.	23	33	13	Holt	Sept.	28	1898		474
18	Irrig.		.50	24	32	14	"	July	1	1894	264	
19	"		.63	26	32	14	"	Aug.	15	1894	266	
20	"		.57	19	34	19	Keya Paha	June	30	1895	608b	
21	"		.36	2	33	20	"	Sept.	2	1895		142
22	"		14.29	36	39	54	Sioux	July	5	1907		863
23	"		.71	17	29	48	Dawes	Feb.	16	1895	481	
24	"		.64	22	29	58	"	May	9	1896		336
25	Pow'r		3.	19	34	19	Keya Paha	Dec.	31	1888	608a	
26	Irrig.		1.	19	34	19	"	June	30	1895	608a	
27	"		.21	8	33	24	"	Sept.	1	1888	615	
28	"		.03	16	33	22	"	June	30	1894	618	
29	"		.10	28	33	22	"	Aug.	15	1894	589	
30	"		.43	2	30	13	Holt	Sept.	11	1894	276	
31	Pow'r		1.	2	30	13	"	Sept.	11	1894	276	

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Eagle creek....	Bokhof, W.....	Atkinson...	Bokhof Ditch.....	1
"	Robertson, J. A.....	"	Eagle Valley Ditch.....	2
Eagle ck So Br	Becker, S.....	"	Sam'l Becker Ditch.....	3
Fairfield creek.	Kuhre, Wm. M.....	Norden....	Kuhre's Pond.....	4
"	Kuhre, Wm. M.....	"	.....	5
Holt creek....	Schoetger, F. J.....	Enterprise..	Schoetger Ditch....	6
Holtcreek, E Br	Akers, J. W.....	Spring view	Akers Ditch.....	7
Horse Head ck.	Bruce, A.....	Penbrook..	Bruce Ditch.....	8
Huggins creek.	Soper, H. K.....	Enterprise..	Soper Ditch.....	9
Jewett creek...	Jewett, C. P.....	Meadville..	B. L. Ditch.....	10
Keha Paha R..	Yocum, J. C.....	Butte.....	Yocum's Ditch.....	11
"	Bruce, Andrew & Son	Naper.....	Bruce Roller Mills	12
Kibbey creek..	Green, Martha, J.....	Read.....	Green Ditch.....	13
Lewis Spring..	Lewis, R.....	Lutes.....	Lewis Ditch.....	14
Long Pine ck.	Kyner, S. H.....	Long Pine..	LongPine Pow'r Pl	15
Middle E. Br..	McGuire, M. W.....	Norden....	McGuire, Ditch....	16
Middle W. Br.	Allen, M. M.....	"	Allen Ditch.....	17
"	Allen, M. M.....	"	Contin'nee Ditch..	18
Minnechaduza.	Gilman, S. F.....	Dv'port, Ia.	.....	19
Newman creek.	Newman, Philo.....	Norden....	Newman Ditch.....	20
Niobrara river	Earnest, J. W.....	Harrison...	Earnest D. No. 1..	21
"	Earnest, J. W.....	"	Earnest D. No. 2..	22
"	Richards, B.....	Chadron...	Lakotah Ditch.....	23
"	Bruce, A.....	Penbrook..	Bruce's Mill.....	24
"	McGinley, A., et al.	Royville...	McG. & S. Ditch..	25
"	Kendrick, H. P., et al.	Marsland..	Pioneer Ditches..	26
"	McGinley, A.....	Royville..	McG. & S. L'r SD.	27
"	Cook, J. H.....	Agate.....	.....	28
"	McLaughlin, A. H....	Marsland..	McLaughlin D.....	28
"	Cook, J. H.....	Royville...	Cook D. Nos. 1 & 2	29
"	Seymour, W. W., et al	Harrison...	Bigelow & Seymour	30
"	Harris, O., Neece, R..	Belle.....	Harris & Neece D.	31
"	Palmer & Co.....	Marsland..	Pioneer Ditches..	32
"	Roll Mill Co.....	"	Roll Mill.....	33
"	Hatch, G. W., et al....	H'm'ford..	Meridian Ditch..	34
"	Wood, J. C., et al....	Marsland..	Enterprise Ditch..	35
"	Furman, H. G.....	"	Furman Ditch.....	36

STREAMS IN DIVISION 2-C.—Continued

Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
			S.	T.	R.	County	Month	D	Yr.		
1 Irrig.		2.86	6	30	13	Holt.....	Sept.	18	1894	275	.....
2 " "		2.29	1	30	14	"	March	15	1895	280	.....
3 " "		1.14	8	30	13	"	Nov.	30	1894	274	.....
4 Pow'r		25.	31	33	23	Brown.....	Sept.	1	1893	612	.....
5 Irrig.		.14	31	33	23	"	April	1	1894	612b	.....
6 " "		.14	32	35	20	Keya Paha..	Feb.	23	1895	595	.....
7 " "		.14	1	34	21	"	Aug.	1	1894	611	.....
8 " "		.17	16	33	24	"	Sept.	7	1895	.....	149
9 " "		.14	21	35	20	"	Nov.	6	1894	592	.....
10 " "		.71	5	32	21	"	Oct.	23	1894	590	.....
11 " "		1.14	23	34	15	Boyd.....	Sept.	7	1894	573	.....
12 Pow'r		100.	24	34	16	"	Oct.	5	1903	.....	729
13 Irrig.		.01	28	34	16	"	April	1	1904	.....	747
14 " "		.14	29	35	19	Keya Paha..	Aug.	30	1895	.....	139
15 Pow'r		45.	30	30	20	Brown.....	April	19	1906	.....	817
16 Irrig.		.71	32	33	23	Keya Paha..	June	1	1884	606	.....
17 " "		.50	29	33	23	"	June	1	1891	616	.....
18 " "		1.	29	33	23	"	May	2	1904	.....	753
19 Pow'r		35.	30	34	27	Cherry.....	Sept.	12	1896	.....	359
20 Irrig.		.21	17	33	24	Keya Paha..	July	1	1888	617	.....
21 " "		2.86	9	29	56	Sioux.....	May	1	1885	514a	.....
22 " "		2.14	9	29	56	"	May	15	1891	514b	.....
23 " "		7.14	1	30	57	"	Oct.	1	1883	554	.....
24 Pow'r		60.	16	33	24	Keya Paha..	April	1	1886	610	.....
25 Irrig.		8.21	25	29	56	Sioux.....	May	1	1887	513a	.....
26 " "		7.14	36	29	51	Dawes.....	August	1	1887	442	.....
27 " "		1.71	25	29	56	Sioux.....	May	1	1890	513b	.....
28 " "		7.14	9	28	52	Box Butte..	May	1	1888	566	.....
29 " "		3.54	1	28	56	Sioux.....	May	31	1891	980	.....
30 " "		2.40	19	31	57	"	June	8	1891	510	.....
31 " "		8.57	3	28	55	"	July	1	1892	517	.....
32 Pow'r		10.	31	29	50	Dawes.....	August	1	1893	442	.....
33 " "		35.	5	28	51	Box Butte..	Sept.	10	1893	970	.....
34 Irrig.		.57	25	29	50	Dawes.....	Jan.	10	1894	459	.....
35 " "		5.71	28	29	50	"	Jan.	27	1894	461	.....
36 " "		3.64	29	29	50	"	Feb.	2	1894	462	.....

CLAIMS AND APPLICATIONS

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Niobrara river	Hughes, John.....	Marsland..	Hughes Ditch.....	1
"	Johnson, B. F.....	Harrison..	Johnson Ditch....	2
"	McMannis, J. T., et al.	H'm'ford..	McM. & Neeland D.	3
"	Fienken, Chas.....	G. Rapids..	.....	4
"	McCully, S. J.....	Carns.....	McCully Ditch....	5
"	Wilson, J. A.....	Spgr'view..	Wilson Canal.....	6
"	Mirage Irr. Co.....	Mirage.....	Mirage Canal.....	7
"	Lichte, H.....	Dunlap....	Lichte Ditch.....	8
"	Warneke, H.....	Harrison..	Warneke's Ditch..	9
"	McGinley & Stover...	Royville...	McG. & S. Upp. D.	10
"	Harris, Octave.....	Belle.....	LaBelle Ditch.....	11
"	Snow, L.....	Marsland..	Snow Ditch.....	12
"	Vincent, D. C.....	".....	Excelsior Ditch...	13
"	Bourrett, W.....	Harrison..	Bourrett Ditch....	14
"	Bourrett, P.....	".....	Bourrett Ditch Sr.	15
"	Hughes, J.....	Marsland..	Hughes Ditch.....	16
"	Harris, O.....	".....	LaBelle Ditch.....	17
"	Bond & Tissot.....	Mirage.....	Ussher Canal.....	18
"	Allison, P.....	Marsland..	Moore Ditch.....	19
"	Peters, H. A., et al...	Hay Spgs..	Hay Springs Can..	20
"	Irion Bros.....	Marsland..	Irion Ditch.....	21
"	Mettlen, J., et al....	".....	Mettlen Ditch.....	22
"	McMannis & Neel'd...	H'm'ford..	McM. & Neeland D.	23
"	Armstrong, T. S.....	Butte.....	Armstrong Canal..	24
"	Hatch & Cross.....	H'm'ford..	Meridian Ditch....	25
"	Bourrett, J. F.....	Harrison..	Bourrett's Ditch..	26
"	Bourrett, J. S.....	".....	J. S. Bourrett D..	27
"	Hughes, John.....	Marsland..	Hughes D. Exten..	28
"	Montague, Jas.....	Dunlap....	Montague Ditch...	29
"	Fendrich, B.....	".....	Chladek D.....	30
"	Fendrich, G. A.....	".....	Fendrich D.....	31
"	Fendrich, G. A.....	".....	Fendrich D.....	32
"	Cornell, C. H.....	Valentine..	Valentine Pwr. P..	33
"	Niob. Irr. & W. P. Co.	Niobrara...	Niob. I. & W. P. C.	34
"	Niob. Irr. & W. P. Co.	".....	".....	35
"	Plummer, Frank E....	Min'eapolis	Niobrara River P..	36
"	Craven, T. K.....	Bloomfield.	Craven Niob. W. P.	37
"	Potmesil Bros.....	Dunlap....	Potmesil Ditch....	38
Niobrara and Pepper creek	Taylor, D. T.....	Hay Spri'gs	Taylor's Ditch ...	39
Niobrara river	Kay, John L.....	Marsland..	Kay Ditch.....	40
"	Peters, H. A.....	Hay Spri'gs	Williams D.....	41
"	Peters, H. A.....	".....	Peters D.....	42
"	Mohr, Wm. P.....	Spencer....	Rochester Pwr. Pl.	43
"	Koenig, A. C.....	Omaha.....	Niobrara Canal...	44
"	Koenig, A. C.....	".....	".....	45
"	Dunlap Irr. Co.....	Dunlap....	Dunlap Irr. Canal.	46
"	Fenner & Baue.....	".....	Dunlap Ditch.....	47

STATE BOARD OF IRRIGATION

STREAMS IN DIVISION 2-C—Continued.

Use to which applied	Second feet applied for	Second feet granted	Location of Headgate			Date of Priority			Docket No.	App. No.	
			S.	T.	R.	County	Month	D			Yr.
1 Irrig.	10.		1	28	52	Box Butte				*987	
2 "		2.86	36	31	57	Sioux	May	1	1891	511	
3 "		.86	29	29	49	Dawes	June	15	1894	463	
4 "		1.	12	33	16	Boyd	Oct.	1	1894	575	
5 "		8.57	25	32	20	Keya Paha	August	7	1894	583	
6 "		5.71	18	32	21	"	Oct.	18	1894	591	
7 "		150.	26	29	48	Dawes	Nov.	28	1894	474	
8 "		1.43	27	29	48	"	Jan.	24	1895	479	
9 "		1.57	27	31	57	Sioux	Feb.	13	1895	505	
10 "		2.86	23	29	56	"	Feb.	25	1895	521	
11 "		2.	6	28	54	"	March	12	1895	518	
12 "		2.86	35	29	51	Dawes	March	26	1895	485	
13 "		2.86	10	28	52	Box Butte	May	15	1895	568	
14 "		2.	33	30	56	Sioux	June	8	1895		4
15 "		1.16	29	30	56	"	June	10	1895		5
16 "		.86	1	28	52	Box Butte	June	26	1895		53
17 "		3.14	6	28	54	Sioux	July	3	1895		60
18 "		1.16	19	29	46	Sheridan	July	17	1895		82
19 "		5.71	9	28	53	Sioux	July	22	1895		88
20 "		14.29	29	29	47	"	Sept.	27	1895		173
21 "		5.	1	28	54	"	March	29	1896		257
22 "		1.	4	28	54	"	April	27	1896		292
23 "		1.07	29	29	49	Dawes	April	9	1898		448
24 Pow'r		150.	9	33	13	Boyd	May	14	1898		452
25 Irrig.		5.14	25	29	50	Dawes	August	29	1898		469
26 "		1.	29	30	56	Sioux	March	5	1900		542
27 "		1.71	19	30	56	"	March	17	1900		546
28 "	10.		1	28	52	Box Butte	April	9	1900		*556
29 "		.43	27	29	48	Dawes	Sept.	27	1900		575
30 "		.30	26	29	48	"	March	18	1901		607
31 "		.29	32	29	48	"	June	1	1901		616
32 "		.27	32	29	48	"	June	1	1901		617
33 Pow'r		1600.	27	34	27	Cherry	Jan.	29	1902		652
34 "		900.	34	32	7	Knox	July	1	1902		679
35 Irrig.		21.43	34	32	7	"	July	1	1902		680
36 I. & P		1. 7.14	29	32	6	"	June	29	1903		712
37 Pow'r		P1500.	3	31	7	"	July	6	1903		713
38 Irrig.		834.	26	29	48	Dawes	May	19	1904		757
39 "		4.57	28	29	47	"	August	8	1904		766
40 "		2.	6	28	53	"	May	12	1905		791
41 "		4.03	20	29	46	Sheridan	June	28	1905		794
42 "		4.03	20	29	46	"	July	3	1905		793
43 Pow'r	2400		30	33	11	Boyd	May	22	1907		*861
44 I. & P	900		34	32	7	Knox	April	1	1908		*895
45 Pow'r	900		34	32	7	"	April	1	1908		*896
46 Irrig.		19.43	35	29	49	Dawes	April	20	1908		899
47 "		3.29	27	29	48	"	April	21	1908		900

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Niobr'a, Snake Boardman & Gordon.....	Benedict, E. H.....	O'Neill.....		1
Niobr'a, Snake Boardman & Gordon.....	Benedict, E. H.....	".....		2
Pine creek.....	Clark, J.....	Rushville.....	Pine Creek Mill.....	3
Plum creek.....	Plum Ck. Irr. Co.....	Johnstown.....	Johnstown D.....	4
".....	Wilbert, R.....	Ainsworth.....	Wilbert Ditch.....	5
Pole creek.....	Julian, A. R., et al.....	Gordon.....	Pole Creek Ditch.....	6
Riekman creek.....	Byington, W. W.....	Sp'gview.....	Byington Ditch.....	7
Rock creek.....	Rock Ck. I. & P. Co.....	Mariaville.....	Copeland Ditch.....	8
".....	Eastlick, B. J.....	Carns.....	Necessity Ditch.....	9
".....	Wile, H.....	Mariaville.....	Wile's Ditch.....	10
Rock Spgs Ck.....	Van Koten, J.....	Sp'gview.....	Van Koten Ditch.....	11
".....	Moore, W. S.....	Meadville.....	Moore's Ditch.....	12
Shobe Br.....	Lamb, A. J.....	Spencer.....		13
Spring creek.....	Kuskie, A. K.....	Sparks.....	Garden Ditch.....	14
Str., no name.....	Grant, C. G.....	Winfield.....	Grant Ditch.....	15
".....	Conger, C. K.....	Norden.....	Conger Ditch.....	16
Snider creek.....	Pickler, W. S.....	Sp'gview.....	Olds Ditch.....	17
Spotted Tail C.....	Rhodes, J. G.....	McLean.....	Spotted Tail Ditch.....	18
Sweeny Canal.....	Hornback, J.....	Sparks.....	Canon Canal.....	19
Turkey creek.....	La Rue, Chas.....	Norden.....	Turkey Creek D.....	20
".....	La Rue, Chas.....	Norden.....	Turkey Cr. D. No 2.....	21
Verdigris Ck.....	Hanson, J. W.....	Em'tbg, Ia.....	Drayton Ditch.....	22
Whistle creek.....	Miller, W. K.....	Alliance.....	Home Ditch.....	23
".....	Watson, Mat.....	Lawn.....	Whistle Creek D.....	24
Willow creek.....	Hollibough, C. G.....	Marsland.....	Hollibough Ditch.....	25
Wooden Sp Br.....	Rhodes, F. J.....	Sp'gview.....	Rhodes Ditch.....	26
".....	Rhodes, F. J.....	".....	".....	27
Wyman creek.....	McCully, R. A.....	Carns.....	McCully Ditch.....	28

BY STREAMS IN DIVISION 2-C.

Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
			S	T	R	County	Month	D	Yr.		
1 Pow'r	2000		13	31	41	Sheridan	August	2	1906		*831
2 Irrig.	880		13	31	41	"	August	2	1906		*832
3 Pow'r		32.	33	30	44	"	June	5	1893	415	
4 Irrig.		26.	4	29	24	Brown	Dec.	18	1894	405	
5 "		.43	35	32	23	"	May	5	1896		329
6 "		.57	28	32	40	"	June	29	1905		799
7 "		1.	22	32	20	Keya Paha	May	19	1891	582	
8 I. & P		6.43	33	32	18	Rock	Jan.	8	1895	394	
9 Irrig.		.35	29	32	18	"	Jan.	17	1895	395	
10 "		.86	9	31	18	"	April	3	1895	397	
11 "		.07	25	33	22	Keya Paha	Jan.	1	1885	619	
12 "		1.43	12	32	22	"	June	30	1887	593	
13 "		.14	30	33	11	Holt	July	6	1896		322
14 "		.08	27	34	25	Cherry	March	30	1900		555
15 "		.14	4	31	20	Rock	Jan.	1	1895	400	
16 "		.10	5	33	24	Keya Paha	Sept.	16	1895		158
17 "		.01	31	33	19	"	May	1	1894	607	
18 "		.07	4	34	17	"	May	17	1895	601	
19 "		.21	29	34	25	Cherry	August	10	1893	414	
20 "		.43	35	33	23	Keya Paha	Feb.	9	1900		539
21 "		2.	35	33	23	"	May	11	1904		754
22 "		2.86	8	28	8	Antelope	Aug.	11	1894	248	
23 "		.86	13	28	54	Sioux	June	6	1895		65
24 "		1.	12	28	54	"	June	28	1895		58
25 "		0.43	10	29	50	Dawes	April	20	1908		898
26 "		.21	25	35	20	Keya Paha	June	19	1899		512
27 "		.14	25	35	20	"	March	12	1900		544
28 "		.80	19	32	19	"	June	10	1891	604	

*Pending

REPORT OF SECRETARY

CLAIMS AND APPLICATIONS

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Wyman creek.	Horton, I.....	Carns.....	Horton Ditch.....	1
Young creek..	Lamb, A. J.....	Rochester..	Harvey & Lamb D.	2

STREAMS IN DIVISION 2-C—*Concluded.*

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D.	Yr.		
1	irrig.	.....	.14	17	32	19	Keya Paha..	June	5	1894	587	.....
2	"	.....	.21	32	33	11	Holt.....	June	13	1896	.....	311

CLAIMS AND APPLICATIONS

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Ash creek.....	Compton, W. L.....	Whitney.....		1
".....	Connell, J.....	".....	Connell Ditch.....	2
".....	Cripps, M. A.....	".....	Cripps Ditch.....	3
".....	Cripps, M. nerva A.....	".....	Cripps Ditch No. 2.....	4
".....	Howard, W. C.....	".....	Cripps Ditch.....	5
Ash Ck. E. Br.....	Tomlin, H. B.....	".....	Ox Yoke Ditch.....	6
".....	Aird, Ida L.....	Crawford.....	Barron Ditch.....	7
".....	Hagle, J. L.....	".....	Sheldon Ditch.....	8
".....	Todd, Frank P.....	".....	Todd Ditch.....	9
Ash Ck., W. Br.....	Vetter, A.....	".....	Mace Ditch.....	10
".....	Broadhurst, N., et al.....	".....	W. Ash C. I. Co. D.....	11
".....	Woodard, S. D.....	Whitney.....	Woodard Ditch.....	12
Beaver creek.....	Braddock, Wm.....	Adaton.....	Braddock Ditch.....	13
".....	Braddock, J. F.....	Chadron.....		14
".....	Stastney, F.....	".....	Stastney Ditch.....	15
".....	Braddock, Wm.....	".....	Lockter Ditch.....	16
".....	Hyser, F. B.....	Adaton.....	Hyser Ditch.....	17
".....	Braddock, J. F.....	Chadron.....	Braddock.....	18
".....	Rickman, A. W., et al.....	".....	Cilek Ditch.....	19
".....	Rickman, A. W.....	".....	Rickman Ditch.....	20
Bordeaux Ck.....	Locket, T. E.....	".....	Locket Ditch.....	21
".....	Richards, H. B. J., et al.....	".....	Richards Ditch.....	22
".....	Bryant, S. A.....	".....	Bryant's Ditch.....	23
".....	Hall, O. W.....	".....	Hall's Ditch.....	24
".....	Richards, H. B. J.....	".....	Richards Ditch.....	25
".....	Mann, Wm.....	".....	Mann's Ditch.....	26
".....	Adams, S. L.....	".....	Adams Ditch.....	27
".....	County of Dawes.....	".....	County Ditch.....	28
".....	Bacon, J. D.....	".....	Bacon Ditch.....	29
".....	Morrissey, M.....	".....	Morrissey Canal.....	30
".....	O'Donnell, J.....	".....	O'Donnell's Ditch.....	31
".....	Nelson, P. B.....	".....	Nelson's Ditch.....	32
".....	Nelson, P. B.....	".....	Nelson's Irr. Plant.....	33
".....	Burns, Thomas C.....	".....	Burns Ditch.....	34
".....	Martens, Wm.....	".....	Martens Ditch.....	35
".....	Martens, Wm.....	".....	Martens Ditch.....	36
Bordeaux, Lit.....	Hartzell, S. and C.....	".....	Hartzell Canal.....	37
".....	Butler, J. A.....	".....	Butler Ditch.....	38
".....	Frady, C. H.....	".....	Frady Ditch.....	39
".....	Collons, Jacob.....	".....	Collins Res.....	40
".....	Good, J. W.....	".....	Good Ditch.....	41
Bull creek.....	Johnson, W. S.....	Glen.....	Johnson D. No. 1.....	42
Cedar Canyon.....	Golden, T. F.....	Adelia.....	Cedar Canon D.....	43
Chadron creek.....	Gallup, W. S.....	Chadron.....	Gallup's Ditch.....	44

STREAMS IN DIVISION 2-D

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D.	Yr.		
1	Irrig.		.03	12	32	51	Dawes.	July	15	1893	455	....
2	"		.63	6	32	50	"	June	17	1898	....	459
3	"		1.	13	32	51	"	Jan.	10	1899	....	491
4	"		1.14	13	32	51	"	Dec.	26	1903	....	735
5	"		.57	13	32	51	"	August	27	1906	....	835
6	"		2.86	31	32	50	"	May	31	1880	....	447
7	"		1.14	32	32	50	"	July	1	1888	....	438
8	"		1.43	30	32	50	"	Jan.	26	1899	....	493
9	"		.38	5	31	50	"	Sept.	12	1899	....	520
10	"		1.	2	31	51	"	July	31	1884	....	428
11	"		1.62	36	32	51	"	July	4	1893	....	452
12	"		.14	25	32	51	"	Feb.	3	1898	....	434
13	"		.36	18	34	46	Sheridan	April	15	1895	....	423
14	"		.04	1	34	47	Dawes.	April	15	1895	....	974
15	"		.36	4	33	46	Sheridan	July	30	1895	....	330
16	"	2.		34	35	47	Dawes.	May	14	1906	*1017	....
17	"		.33	20	34	46	"	May	14	1896	....	303
18	"		.64	1	34	47	"	Nov.	14	1897	....	463
19	"		.36	4	33	46	"	June	19	1899	....	513
20	"		1.	9	33	46	"	July	2	1902	....	681
21	"		.07	11	32	48	"	June	30	1886	....	494
22	"		.14	36	33	48	"	Sept.	10	1890	....	430
23	"		.29	14	33	48	"	Feb.	4	1891	....	434
24	"		.07	15	33	48	"	March	1	1891	....	437
25	"		.36	36	33	48	"	Sept.	7	1892	....	446
26	"		.23	25	33	48	"	Dec.	31	1892	....	975
27	"		.14	2	32	48	"	March	5	1893	....	450
28	"		.14	23	33	48	"	July	31	1893	....	983
29	"		.21	21	34	48	"	July	1	1894	....	445
30	"		.08	15	33	48	"	August	25	1894	....	491
31	"		.14	9	34	48	"	Jan.	17	1898	....	432
32	"		.36	14	33	48	"	Oct.	19	1898	....	478
33	"		.14	14	33	48	"	Jan.	28	1899	....	494
34	"		4.29	36	33	48	"	Nov.	5	1900	....	584
35	"		.57	28	34	48	"	Sept.	22	1902	....	690
36	"		1.14	21	34	48	"	Jan.	14	1907	....	848
37	"		.57	13	33	48	"	June	1	1893	....	448
38	"		.11	33	33	47	"	June	1	1894	....	443
39	"	1.		30	33	47	"	....	....	....	*1009	....
40	"		.31	14	32	48	"	Feb.	27	1905	....	780
41	"		7.	29	33	47	"	March	6	1905	....	783
42	"		.29	7	30	53	Sioux	March	13	1895	....	519
"	"		.43	16	33	53	"	March	1	1897	....	380
"	"		.08	15	33	49	Dawes.	Dec.	20	1890	....	426

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Chadron creek.	Wilson, H. M.....	Chadron...	Tug Wilson Ditch.	1
"	Wilson, W. W.....	"	Wallace Wilson D	2
"	Record, A. A.....	Hyannis...	Half Diamond E D	3
Charcoal Ck..	Weber, M. J.....	Glen.....	Klein Ditch.....	4
Cottonwood Ck	Rasmussen, N.....	Whitney...	Rasmussen Ditch..	5
"	Rasmussen, N.....	"	"	6
Rav.t'b.C't'd ck	Carlson, A. A.....	Crawford..	Carlson Ditch.....	7
"	Pilster, John A.....	Whitney...	Pilster Ditch.....	8
Cotton'd Lit...	Stuart, Jno. T.....	Crawford..	Thos. Stuart D....	9
"	Stuart, J. G. and J. T..	"	Stuart Bros. D....	10
"	Kusel, Wm. T.....	Ewing	Kusel Ditch.....	11
"	Simmons, Raner.....	Whitney...	Simmons Ditch....	12
"	Kusel, Wm. T.....	"	Kusel Ditch No. 2..	13
"	Dunn, J. G.....	Crawford..	Dunn's Ditch.....	14
"	Stewart, J. W., et al...	"	Stewart & Maple D	15
"	Kusel, Wm. T.....	Whitney...	Kusel & Spear'n D	16
Dead Horse Ck	Kemery, J.....	Chadron...	"	17
"	Woodruff, F. B. & E. F	"	Flag Butte Ditch..	18
"	Goff, L. L.....	"	Goff Ditch.....	19
"	Harley, J.....	"	"	20
"	Geiser, B. A.....	"	Geiser Ditch.....	21
"	Slattery, Roy A.....	"	"	22
Deadman Ck..	Phillips, W. S.....	Crawford..	"	23
"	Phillips, W. S.....	"	Phillips Ditch.....	24
"	Porter, J. E., et al.....	"	P. & Ras. Ditch....	25
"	Linderman, Con.....	"	Linderman D.....	26
Deep creek.....	Green, M. H.....	Glen.....	Deep Creek Ditch..	27
"	Green, M. H.....	"	Green Ditch.....	28
English creek..	McDowell, E. C.....	"	McD. Stor. Sys....	29
Hooker creek..	Uhlig, Max.....	"	McMannis Ditch..	30
"	Alcorn, John.....	"	Alcorn Ditch.....	31
"	Souther, Mabel G.....	Crawford..	Souther Lake.....	32
Indian creek..	Seegrift, I.....	Whitney...	"	33
"	Flood, M. F.....	"	Flood Ditch.....	34
"	Boyer, F.....	"	Boyer Ditch.....	35
Indian Ck. trib.	Kaiser, Omar A.....	Coxville...	Kaiser Ditch.....	36
Kyle creek....	Colville, David.....	Glen.....	Kyle Cr. Ditch....	37
Lone Tree,S.Fk	Thomas, J. C.....	Whitney...	Thomas Ditch.....	38

STREAMS IN DIVISION 2-D—Continued.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate			Date of Priority			Docket No.	Appl. No.	
				S.	T.	R.	County	Month	D			Yr.
1	Irrig.		.20	12	32	49	Dawes.	July	13	1893	453	....
2	"		.07	12	32	49	"	July	14	1893	454	....
3	"		.57	1	32	49	"	June	17	1894	468	....
4	"		.11	33	31	53	Sioux.	August	1	1882	982	....
5	"		2.29	10	33	52	Dawes	March	8	1898	....	444
6	"		18.	10	33	52	"	Dec.	26	1899	....	528
7	"		.71	21	33	52	"	Sept.	20	1897	....	409
8	"		5.71	9	33	51	"	Dec.	9	1904	....	776
9	"		.36	8	32	52	"	Dec.	21	1890	425	....
10	"		2.86	8	32	52	"	June	10	1895	....	8
11	"		1.14	9	32	51	"	Oct.	16	1895	....	183
12	"		1.14	9	32	51	"	Sept.	12	1899	....	521
13	"		.43	8	32	51	"	May	19	1900	....	560
14	"		1.43	9	32	52	"	Jan.	14	1902	....	649
15	"		.29	3	32	52	"	March	10	1902	....	656
16	"		.71	8	32	51	"	June	30	1902	....	677
17	"		.01	32	32	49	"	Sept.	1	1890	493	....
18	"		.03	32	32	49	"	April	10	1891	427	....
19	"		.17	9	31	49	"	August	27	1893	457	....
20	"		.01	32	32	49	"	August	1	1894	488	....
21	"		2.29	17	32	49	"	March	18	1902	....	658
22	"		1.29	32	33	49	"	April	6	1904	....	749
23	"		.21	19	30	52	"	May	8	1896	....	334
24	"		.14	18	30	52	"	March	19	1900	....	547
25	"		1.43	1	30	53	Sioux.	May	29	1900	....	562
26	"		.14	18	30	52	Dawes.	June	11	1900	....	564
27	"		.06	9	30	53	Sioux.	May	1	1887	525	....
28	"		.20	9	30	53	"	Oct.	5	1895	....	203
29	"		.87	12	31	52	Dawes.	Oct.	24	1904	....	772
30	"		1.	7	31	51	"	Dec.	31	1889	492	....
31	"		1.21	31	32	51	"	Nov.	17	1905	....	803
32	F. & I	1.50		30	32	51	"	Sept.	24	1908	....	*915
33	Irrig.		.03	3	31	50	"	Nov.	1	1893	489	....
34	"		.07	33	32	50	"	Feb.	13	1894	460	....
35	"		.86	28	32	50	"	April	30	1900	....	559
36	"		.57	28	32	50	"	Feb.	15	1900	....	540
37	"		.57	3	30	54	Sioux.	June	30	1882	522	....
38	"		1.	28	34	51	Dawes.	April	29	1905	....	789

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-office Address	Name of Ditch	
Madden creek.	Flannigan, F.....	Chadron...	Dams	1
"	Trier, Phillip.....	"	Trier Ditch.....	2
Madden and North creeks.	Flannigan, O. R.....	"	Dams	3
Rush creek....	Braddock, H. T.....	"	Braddock Ditch....	4
"	Braddock, H. F.....	"	Braddock D Exten	5
Sand creek.trib to L.Cotton'd	Metz, Scott.....	Crawford...	Bendix Ditch.....	6
"	Carlson & Rasmussen.	"	C. & R. Sand Ck. D	7
"	Arner, J. & H.....	"	Arner Ditch.....	8
"	Rasmussen, K.....	Whitney...	K. Rasmussen D...	9
Draw, trib of Sand creek..	Jordon, M. D.....	Adelia.....	Jordon Ditch.....	10
Saw Log. East.	Stewart, H. E.....	Crawford ..	Little Saw Log D.	11
"	Stephenson, Chas.....	"	Stephenson Ditch..	12
"	Baker, A. D.....	"	Baker Ditches....	13
Sheridan creek	Getchell, G. C.....	Pine Ridge.	Getchell Ditch....	14
Soldier creek..	Rodgers, J. J.....	Crawford ..	Rodgers Ditch....	15
"	Swanson, Geo.....	"	Swanson Ditch....	16
Spring Br. trib White river.	Tucker, J. S.....	Glen.....	Tucker Ditch.....	17
Spring creek..	Forbes, J. D.....	Crawford ..	Forbes D. No. 1....	18
"	Forbes, J. D.....	"	Forbes D. No. 2....	19
"	Moszeter, J. R.....	"	Moszeter Ditch....	20
"	Wolff, Ferdinand.....	"	Wolff Ditch.....	21
Spg.ck. trib. of Lt. Cot'd...	Pinney, B. G.....	"	Spring Ck. D.....	22
"	Balsler, R.....	Lusk, Wyo.	Spring C. D. No. 1	23
"	Spearman, C. K.....	Gretna.....	Spring C. D. No. 1	24
Spgs. trib. to D Horse creek.	Goff, T. L.....	Chadron...		25
Squaw creek..	Daniels & Stetson....	Crawford ..	Dan's & Stet. D.	26
"	Cooper, Wm.....	"	Cooper Ditch.....	27
Trunk Butte C.	Smock, M.....	Whitney...	Smock's Ditch....	28
W. Clay Ck...	Davidson, J. E.....	Crawford ..	McFarland Ditch..	29
"	Hazleton, Wm. S.....	"	Hazleton Ditch....	30
"	White River Irr. Co....	"	White River D....	31
"	Cooper, Wm.....	"	Cooper Ditch.....	32

STREAMS IN DIVISION 2-D—Continued

Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
			S.	T.	R.	County	Month	D	Yr.		
1 Irrig.57	26	35	49	Dawes.....	July	11	1904	.....	763
2 " "	1.21	6	34	48	"	Aug.	1	1906	.....	830
3 " "57	31	35	48	"	Oct.	17	1904	.....	771
4 " "	3.	10	34	49	"	May	4	1903	.....	706
5 " "	1.57	11	34	49	"	May	31	1906	.....	825
6 " "57	35	33	53	Sioux.....	Nov.	19	1895	.....	189
7 " "	30.	32	33	52	Dawes.....	Sept.	12	1904	.....	767
8 " "	2.59	26	33	53	Sioux.....	Jan.	12	1905	.....	779
9 " "	17.	3	32	52	Dawes.....	Jan.	8	1906	.....	811
10 " "50	31	33	53	Sioux	April	2	1900	.....	551
11 " "71	12	30	52	Dawes.....	Jan.	23	1907	.....	849
12 " "	1.14	25	31	52	"	March	5	1907	.....	852
13 " "29	5	30	51	"	Jan.	13	1908	.....	884
14 " "07	27	34	45	Sheridan....	August	1	1894	418	....
15 " "14	5	31	53	Sioux.....	April	30	1883	546	....
16 " "	1.43	4	31	53	"	March	25	1905	.....	786
17 " "17	34	31	54	"	June	1	1883	557	....
18 " "43	20	32	52	Dawes.....	April	28	1902	.....	663
19 " "57	20	32	52	"	April	28	1902	.....	664
20 " "	2.	.....	13	32	52	" .....	.....	.....	.....	*1014	.....
21 " "	1.71	21	32	52	"	Jan.	15	1904	.....	739
22 " "86	13	32	52	"	May	10	1894	466	....
23 " "	2.	7	32	51	"	Dec.	1	1894	473	....
24 " "	1.29	13	32	52	"	April	7	1905	.....	788
25 " "14	30	32	49	"	April	2	1891	441	....
26 " "29	19	31	51	"	June	17	1895	.....	27
27 " "	2.29	36	32	52	"	May	8	1896	.....	333
28 " "07	26	32	50	"	June	28	1895	465	....
29 " "	1.64	35	32	52	"	May	18	1891	960	....
30 " "	1.14	13	31	52	"	May	15	1894	475	....
31 " "	1.	35	32	52	"	Dec.	31	1894	477	....
32 " "	3.71	2	31	52	"	June	22	1895	.....	42

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-office Address	Name of Ditch	
W. Clay Ck...	Brockway, Horace.....	Crawford..	Brockway Ditch..	1
"	Pine Ridge Ind. Ag....	P. Ridge I. Ag., S. D.	Pine Ridge Irr. D.	2
"	Rincker, H. C.....	Crawford..	Rincker Ditch.....	3
"	Hutzel, John C.....	Rushville..	Hutzel Ditch.....	4
"	Thornton H. A.....	Crawford..	Thornton Ditch...	5
W. Clay E. Br	Stewart, H. E.....	"	Little Saw Log D.	6
W. Clay and Squaw Ck...	White River Irr. Co...	"	White River Irr..	7
White River..	Jacobson, M.....	Glen.....	Jacobson Ditch...	8
"	Hall, Leroy.....	Crawford..	Hall's Mill.....	9
"	Diedrickson, N.....	Glen.....	Diedrickson Ditch	10
"	Harris & Cooper.....	Crawford..	Harris & Cooper D	11
"	"	"	"	12
"	"	"	"	13
"	Rasher, C.....	"	Rasher Ditch.....	14
"	Welling, N.....	"	Welling Ditch....	15
"	Carpenter, E. J. & Co.	Whitney..	Carpenter Ditch...	16
"	White River Irr. Co...	Crawford..	White R. Irr. Co D	17
"	Hall, Leroy.....	"	Hall's Ditch No. 2.	18
"	Crawford Co.....	"	Crawford Citiz'ns	19
"	Swartz, E.....	Harrison..	Hughson Ditch....	20
"	Butterworth, J.....	Crawford..	Butterworth Ditch.	21
Seepage near White River.	Mason, J. F.....	Glen.....	Mason's Ditch....	22
White River.	Lewis, L. C.....	Harrison..	Lewis Ditch.....	23
"	Bartlett, A. M.....	Chadron..	E. Jones Ditch....	24
"	Schwabe, Lena.....	"	Schwabe Ditch....	25
"	Wilkinson, Thos.....	Crawford..	Wilkinson Ditch...	26
"	Stewart, A.....	Whitney..	Sandy Stewart D.	27
"	Thompson, H.....	Crawford..	Rasher Ditch.....	28
"	Zuen, A., et al.....	"	Zuen & SchmelzleD	29
"	Mecham, G. & C., S. R., et al.....	Whitney..	Mecham Ditch....	30
"	Schaffer & Blust.....	"	Schaffer & Blust D	31
"	Rasher, Frank.....	Crawford..	F. Rasher Ditch...	32
"	Carlson, John.....	Whitney..	Carlson Ditch....	33
"	Village of Crawford...	Crawford..	Crawford Pump St.	34
"	Hebbert, Harry.....	Chadron..	Hebbert Irr. Ditch.	35
"	Simmons & Harris Irr. Co.....	Whitney..	S. & H. Irr. Co D.	36
"	Rasher, Chas. E.....	Crawford..	Ext. to C. Rasher D	37
"	Schwabe, August.....	Chadron..	Schwabe Ditch....	38
"	Schwabe, August.....	"	Schwabe Power Pl.	39
"	Wright Bros.....	Whitney..	Wright's Ditch....	40
"	Schwabe, Aug.....	Chadron..	Schwabe Ditch....	41
"	Roby, I. M.....	Crawford..	Roby Ditch.....	42
"	Stephenson, Ira J.....	"	Stephenson Pow Pl	43

STREAMS IN DIVISION 2-D—Continued.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S	T	R	County	Month	D	Yr.		
1	Irrig.		.71	36	31	52	Dawes.....	Feb.	27	1896		256
2	"	4.78					Sheridan.....				*41	
3	"		.57	11	31	52	Dawes.....	June	8	1901		618
4	"		.57	13	31	52	".....	April	30	1903		704
5	"		1.14	24	31	52	".....	Oct.	24	1904		773
6	"		.71	12	30	52	".....	Jan.	23	1907		849
7	"		8.	36	32	52	".....	March	3	1902		655
8	"		.14	32	31	53	Sioux.....	Oct.	1	1882		561
9	Pow'r		24.83	34	32	52	Dawes.....	Sept.	10	1885	†478a	
10	Irrig.		.21	1	30	54	Sioux.....	Sept.	1	1890		562
11	"		16.78	25	32	52	Dawes.....	March	9	1894		
12	"		1.57	25	32	52	".....	June	15	1894	†464	
13	"		.28	25	32	52	".....	Oct.	31	1894		
14	"		1.14	19	32	51	".....	June	20	1894	467	
15	I. & F		.57	17	32	51	".....	July	13	1894	469	
16	Irrig.		2.86	1	32	51	".....	Dec.	2	1894	†487	
17	I. & P		8.71	35	32	52	".....	Dec.	31	1894	†477	
18	Irrig.		26.04	34	32	52	".....	Jan.	10	1895	†478c	
19	"		58.	23	31	53	Sioux.....	Feb.	13	1895	†501	
20	"		.07	26	31	55	".....	March	15	1895	444	
21	"		.07	3	31	52	Dawes.....	May	7	1895	520	
22	"		.14	32	31	53	".....	May	12	1896		337
23	"		.14	27	31	55	Sioux.....	May	19	1896		340
24	"		.71	18	34	48	Dawes.....	May	21	1897		391
25	"		1.14	25	34	49	".....	June	24	1897		394
26	"		.71	24	32	52	".....	Nov.	18	1897		421
27	"		.94	10	32	51	".....	Jan.	8	1898		427
28	"		.50	19	32	51	".....	May	23	1898		456
29	"		1.	19	32	51	".....	Oct.	13	1898		475
30	"		2.86	17	32	51	".....	March	15	1899		500
31	"		3.	10	32	51	".....	Dec.	18	1899		525
32	"		1.43	19	32	51	".....	Jan.	16	1900		534
33	"		1.43	6	32	50	".....	Nov.	26	1900		588
34	Pow'r		18.	3	31	52	".....	March	30	1903		702
35	Irrig.		3.	34	33	50	".....	May	11	1903		707
36	"		1.43	16	32	51	".....	Oct.	26	1903		730
37	"		1.27	20	32	51	".....	Feb.	5	1904		740
38	"		.57	24	34	49	".....	June	13	1904		758
39	Pow'r		5.	24	34	49	".....	June	13	1904		759
40	Irrig.		4.	16	32	51	".....	Dec.	5	1904		775
41	"		.26	24	34	49	".....	March	19	1906		815
42	"		.33	13	31	52	".....	Sept.	13	1906		838
43	Pow'r		15.	34	31	53	Sioux.....	March	15	1907		854

*Pending.

†Contest pending.

REPORT OF SECRETARY

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Canons' trib to White River.	Martens	Chadron...	Marten's Ditch....	1
" "	Jones, Sarah M.....	Crawford..	Jones Ditch.....	2
" "	Schwabe, August.....	Chadron...	Schwabe Canal....	3

BY STREAMS IN DIVISION 2-D—*Concluded.*

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate			Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D.			Yr.
1	Irrig.		.29	14	34	48	Dawes.....	Dec.	26	1902.....	696
2	"		.29	9	31	51	"	May	20	1907.....	860
3	"		3.43	31	34	48	"	July	23	1908.....	908

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Antelope creek.	Turner, Geo.....	Harrison..	Turner Ditch.....	1
"	Seaman, S. R.....	"	Ellis Ditch.....	2
"	Gayhart, M. J.....	Montrose..	Gayhart Ditch....	3
Antelope creek N. Br.....	Story, S. R.....	Story.....	Story's Ditch.....	4
Boggy creek..	Holly, Thos.....	Crawford..	.....	5
"	Smith, J. W.....	Bodarc....	Smith's Ditch.....	6
"	Wickersham, H.....	Harrison..	Wickersham Ditch	7
Boggy ck. Mid Br.....	Martin, Wm.....	Bodarc....	Martin's Ditch....	8
"	Bannon, J. F.....	"	Bannon's Ditch...	9
"	Wickersham, H.....	Harrison..	.....	10
"	"	"	Beaver Dam.....	11
"	"	"	West Branch Can.	12
"	Hill Albert F.....	"	Hill Irr. D.....	13
Cedar creek...	Schilt, C. E.....	"	Schilt's C. Ck. D..	14
"	Valdez, M.....	"	Valdez Ditch.....	15
"	Plunkett, John.....	"	Plunkett Ditch....	16
Cherry creek..	Ruffing, M.....	Bodarc....	Cherry creek D....	17
Hat creek....	Brewster, B. E.....	Harrison..	W. Hat Ck. Ditch..	18
"	Coffee, Chas. F.....	Bodarc....	C. F. Coffee Ditch.	19
"	Brewster, B. E.....	Harrison..	W. Hat ck. Ditch..	20
"	Miller, Wm.....	Bodarc....	Miller Ditch.....	21
"	Haas, Catharine.....	Gilcrist..	Haas Ditch.....	22
"	Antrim, Z. F.....	Bodarc....	Antrim's Ditch....	23
"	"	"	Antrim Dam.....	24
Canon trib. to Hat creek...	Konrath, Jos.....	Montrose..	Konrath Ditch....	25
Draw trib. to Indian ck....	Meier, Aug.....	Ardmore, S Dakota...	Meier Dam.....	26
Draw trib. to Indian ck....	Hibbeln, Jno.....	Ardmore, S Dakota..	Hibbeln Ditch....	27
Jim creek....	Daut, L.....	Harrison..	Daut Bros. Ditch..	28
"	Nolan, Jas.....	"	Woodruff's So. D..	29
"	Anderson, Nels.....	"	Jim Creek Ditch...	30
"	Slattery, Wm.....	"	Slattery Ditch....	31
"	Slattery, Wm.....	"	.....	32
Jim C. E. Fork	Wassenberger, J.....	Montrose..	Wessenberger Dit.	33
Little Red ck..	Zerbst, R.....	Harrison..	Zerbst Ditch.....	34
Lickett creek..	Coffee, S. B.....	Bodarc....	Lickett Ditch.....	35
"	Coffee, S. B.....	"	"	36

STREAMS IN DIVISION 2-E

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D	Yr.		
1	Irrig.		.86	26	34	57	Sioux	Oct.	31	1894	537	....
2	"		.29	9	33	57	"	May	17	1896		338
3	"		2.43	16	34	55	"	June	18	1904		760
4	"		2.	8	34	56	"	Nov.	11	1895		168
5	"		.11	30	33	54	"	Dec.	31	1888	956	....
6	"		.29	31	33	54	"	May	1	1892	526	....
7	"		3.	31	33	54	"	Feb.	18	1903		701
8	"		.36	18	32	54	"	May	19	1896		342
9	"		.06	7	32	54	"	July	1	1886	560	....
10	"		.06	36	33	55	"	April	25	1906		821
11	"		.86	7	32	54	"	May	7	1906		822
12	"		2.14	7	32	54	"	May	7	1906		823
13	"		.86	11	32	55	"	Jan.	20	1908		886
14	"		.57	35	33	56	"	May	15	1885	507	....
15	"		.50	10	32	56	"	April	5	1880	976	....
16	"	1.		4	32	56	"	June	18	1906		*826
17	"		.03	29	33	54	"	May	1	1893	549	....
18	"		.43	16	32	55	"	June	1	1880	553	....
19	"		4.29	26	33	55	"	Sept.	1	1881	512	....
20	"		.57	16	32	55	"	May	31	1886	553	....
21	"		.37	23	33	55	"	May	19	1896		341
22	"		.09	2	33	55	"	May	8	1899		510
23	"		.57	3	32	55	"	Dec.	24	1900		594
24	"		.57	3	32	55	"	Aug.	20	1906		834
25	"		1.43	17	34	54	"	Dec.	28	1905		808
26	"		2.	24	35	55	"	Nov.	5	1900		585
27	"		2.	24	35	56	"	Oct.	4	1907		872
28	"		.86	7	33	56	"	May	15	1889	981	....
29	"		.33	14	33	57	"	May	1	1890	536	....
30	"		.43	8	33	56	"	Dec.	15	1890	502	....
31	"		.29	13	33	57	"	May	31	1891	543	....
32	"		.86	13	33	57	"	June	12	1895		14
33	"		2.29	29	34	54	"	Oct.	13	1900		581
34	"		.14	25	33	56	"	May	1	1893	551	....
35	"		1.43	27	33	54	"	March	21	1900		549
36	"			27	33	54	"				*1005	....

*Pending

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Long Branch	Borky, S.....	Ardmore, S Dakota...	Borky Dam.....	1
"	O'Connel, Dennis.....	"	O'Connel Ditch...	2
"	Ebert, L. J.....	"	Ebert Ditch.....	3
Monroe creek.	Wilcox, E. J.....	Harrison...	Big Monroe ck. D.	4
"	Schilt, C. E.....	"	Schilt's Monroe ck	5
"	Noreisch, Wm.....	"	Noreisch's Ditch..	6
"	Jordan, C.....	"	Jordan Ditch.....	7
"	Jordan, C.....	"	.....	8
Prairie Dog Ck	Schilt, C. E.....	"	Schilt's P. Dg. Dit.	9
Plum creek....	Ruffing, M.....	"	Plum creek Ditch..	10
Sow Belly ck..	Schaefer, P.....	Bodare....	Old Sow Belly Dit.	11
"	Montgomery, S.....	"	Montgomery Ditch	12
"	Jordan, S.....	Gilerist..	Jordan Ditch.....	13
"	Jordan, S.....	"	"	14
"	Nutto, F.....	Harrison..	Nutto's Ditch.....	15
"	Carroll, M. J.....	"	Carroll Ditch.....	16
"	Zimmerman, W. H....	Bodare...	Zimmerman Ditch..	17
"	Jordan, S.....	Harrison..	Jordan Ditch.....	18
Spg. ck. trib. to Sow Belly....	Hall, W. S. and F. M..	Jerico	Hall's Sp. Ck. D..	19
Spg. ck. trib. to Sow Belly....	Schaefer, P.....	Bodare...	Spring Creek Ditch	20
Spg. ck. trib. to Sow Belly....	Hall, F. M.....	Harrison..	Hall,s Sp Ck D No2	21
Sp Br trib to S W'rbon'et C.	Biehle, C.....	"	Biehle Ditch.....	22
Sp Br trib to S W'rbon'et C.	Garton, O. A.....	"	Garton Ditch.....	23
Sp Br trib to N W'rbon'et C.	Kay, J. L.....	"	Kay's Ditch.....	24
Sp. Br. trib. to W'rbon'et C.	Nolan, Jas.....	"	Nolan Ditch No. 1.	25
Sp. Br. trib. to Wr'bon'et C.	Nolan, Jas.....	"	Nolan Ditch No. 2.	26
Squaw creek..	Dunn, Thos.....	"	Dnnn's Ditch.....	27
"	Hamlin, N. D.....	"	Hamlin's Ditch....	28
"	Dunn, Thos.....	"	Thos. Dunn's Ditch	29
"	Dunn, P. D.....	"	Phillip Dunn's D..	30
Squaw ck. W. Branch.....	Thomas, S. M.....	"	Thomas Ditch.....	31

STREAMS IN DIVISION 2-E.—Continued

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D.	Yr.		
1	Irrig.		.64	23	35	54	Sioux	April	19	1900		557
2	"		.20	22	35	54	"	Nov.	10	1900		587
3	"		.14	19	35	53	"	Aug.	22	1901		635
4	"		1.43	33	33	56	"	May	1	1888	506	
5	"		.50	27	33	56	"	July	2	1888	509	
6	"		.04	33	33	56	"	July	19	1895		83
7	"		.36	13	33	56	"	Oct.	3	1902		693
8	"		2.29	13	33	56	"	Nov.	12	1906		841
9	"		1.14	35	33	56	"	May	31	1886	508	
10	"		.14	33	33	54	"	March	11	1905		784
11	"		3.	7	32	55	"	June	1	1887	533	
12	"		1.	21	33	55	"	Dec.	1	1890	559	
13	"		.43	21	33	55	"	June	1	1895	556	
14	"		.50	21	33	55	"	May	11	1896		424
15	"		.43	24	32	56	"	Sept.	4	1897		404
16	"		.14	7	32	55	"	July	12	1899		516
17	"		.71	34	33	55	"	Jan.	11	1900		532
18	"		.14	21	33	55	"	May	26	1902		668
19	"		.57	6	32	55	"	March	26	1889	550	
20	"		.29	7	32	55	"	June	1	1893	532	
21	"		.57	6	32	55	"	August	2	1899		518
22	"		.23	32	33	56	"	April	1	1891	538	
23	"		1.43	31	33	56	"	Oct.	16	1893	503	
24	"		.14	26	33	57	"	May	1	1887	958	
25	"		.01	23	33	57	"	March	15	1887	957	
26	"		.29	23	33	57	"	May	1	1888	959	
27	"		.36	15	33	57	"	June	1	1890	552	
28	"		.01	10	33	57	"	April	1	1891	555	
29	"		.57	10	33	57	"	August	5	1895		100
30	"		.19	3	33	57	"	Jan.	22	1897		376
31	"		.50	10	33	57	"	July	23	1901		627

REPORT OF SECRETARY

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Dry Can. trib. Squaw ck...	Henry, J.....	Montrose..	Henry's Dam.....	1
Str. No name "	Coffee, S. D.....	Bodarc.....	Homestead Ditch..	2
	Hunter, H. C.....	Adelia.....	Hunter Ditch.....	3
Warbonnet ck.	Brewster, B. E.....	Harrison...	Warbonnet Ditch..	4
"	Anderson, T. A.....	" ..	Warbonnet D No 2	5
Warbonnet ck. N. Br. of S B	Anderson, J.....	" ..	.....	6
Warbonnet ck. N. Br. of S B	Anderson, J.....	" ..	.....	7
Whitehead ck.	Harrison, R.....	Adelia.....	Harrison Ditch....	8
Canyon trib. Whitehead C	Raben, P. P.....	"	Raben Ditch.....	9
Canyon trib. Whitehead C.	Raben, P. P.....	"	"	10

STREAMS IN DIVISION 2-E—*Concluded*

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate				Date of Priority			Docket No.	App. No.
				S.	T.	R.	County	Month	D	Yr.		
1	Irrig.	.....	.02	30	34	55	Sioux.....	Oct.	2	1902	.....	692
2	"	.....	.22	22	33	54	"	May	31	1890	984	.....
3	"	.....	.03	26	33	54	"	May	12	1898	.....	451
4	"	.....	3.63	21	33	56	"	July	31	1880	548	.....
5	"	.....	.....	20	33	56	"	March	11	1908	.....	*892
6	"	.....	.71	30	33	56	"	May	31	1889	539a	.....
7	"	.....	.29	30	33	56	"	Dec.	31	1891	539b	.....
8	"	.....	.06	13	33	54	"	May	30	1888	547	.....
9	"	.....	.57	19	34	53	"	May	21	1901	.....	615b
10	"	.....	.43	22	34	54	"	Nov.	24	1905	.....	804

*Pending

REPORT OF SECRETARY

CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Bazile creek..	Packard, J. L.....	Creighton..	Creighton Mill R'ce	1
"	.. Creighton Mill Co. . .	Battle Cr...	Creighton Mills...	2
Tekamah creek	Glasson, Joseph.....	Tekamah...	Tekamah Roll Mills	3
"	Glasson, Joseph.....	" ..	" " "	4

BY STREAMS IN DIVISION 2-F.

	Use to which applied	Second feet applied for	Second feet granted	Location of Headgate			Date of Priority		Docket No.	App. No.		
				S	T	R	County	Month			D	Yr.
1	Pow'r	.....	.....	21	29	5	Knox				*1002	.....
2	"	.....	30.	21	29	5	"	Sept.	24	1908	.....	914
3	"	.....	10.	19	21	11E	Burt	Sept.	17	1906	.....	839
4	Ice	.....	1.	19	21	11E	"	Jan.	21	1908	.....	887

*Pending

STREAM MEASUREMENTS

As stated elsewhere in this report, a number of gauging stations have been maintained on several of the principal streams of the State, and the following table gives the discharge of the streams at these stations.

This table not only includes the work of this department, but also all of the valuable data published by the Hydrographic Division of the U. S. Geological Survey. The table gives the maximum, minimum and mean discharge, and the volume in acre feet at the points named for each month during the period. This period extends from about the first of April until November.

SUMMARY OF DISCHARGE DATA.
Periods generally cover April to November.

STREAM	LOCATION OF GAUGING STATION	*PERIOD BY YEARS (INC.)	MAXIMUM	MINIMUM	MEAN	AVERAGE ACRE FEET PER MONTH OF 30 DAYS
North Platte.....	Gering-Mitchell.....	1898-1908	23500	30	3180	190000
“	{ Camp Clarke.....	1897-1900	23560	0	3780	225000
“	{ Bridgeport	1902-1905				
“	North Platte.....	1895-1908	23720	20	3790	226000
Platte	Lexington	{ 1902				
“	{ Columbus.....	1904-1906	19500	0	4180	249000
“	{	1896				
“	{	1902-1908	51100	0	4440	264000
Loup	Columbus.....	1895-1908	29400	596	3330	198000
Middle Loup.....	St. Paul.....	{ 1895-1897				
“	{	1899&1903	15600	547	1290	87000
North Loup.....	“	{ 1895-1897				
“	{	1899&1903	7500	118	1110	66000
Elkhorn	Norfolk.....	1896-1903	8000	80	537	32000
“	Arlington.....	1899-1903	9568	284	1440	85800
Niobrara	Valentine.....	1902-1906	7000	505	820	48800
South Fork Republican	Benkelman	1903-1906	397	0	55	3260
Republican	“	1903-1906	398	0	70	4130
Republican	{ Superior.....	1896-1899	24500	0	840	49900
“	{ Bostwick	1901-1908				
Little Blue.....	Fairbury	1908	21100	171	1720	103000

STATE BOARD OF IRRIGATION

*Periods as shown in detail by tables of monthly discharge.

MEAN MONTHLY DISCHARGES OF FIFTEEN NEBRASKA STREAMS.

For number of years shown in first column.

Month	No. Years of Record.		North Platte River at Gering and Mitchell.		No. Years of Record.		North Platte River at Camp Clarke and Bridgeport.		No. Years of Record.		North Platte River at North Platte.		No. Years of Record.		Platte River at Lexington.		No. Years of Record.		Platte River at Columbus.		No. Years of Record.		Loup River at Columbus.		No. Years of Record.		Middle Loup River at St. Paul.		No. Years of Record.		North Loup River at St. Paul.	
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
January	1	867	1	2290	3	610	0		0		0		0		5	4270	6	3930														
February	1	1030	1	2250	3	650	0		0		0		5	7110	10	4950	14	3520														
March	3	1260	1	1300	10	3610	0		5	3740	10	4950	14	3520	5	7110	12	8800	14	3740	4	1480										
April	10	3870	8	4220	14	3600	5	3740	10	4950	14	3520	5	7110	12	8800	14	3740	5	1630	5	1150										
May	10	7070	9	8020	14	7260	5	11250	14	12900	14	4030	5	1390	5	1000	5	1050														
June	11	9910	9	9850	14	9570	5	4160	14	5470	14	3510	5	1210	5	1000	5	1050														
July	12	3620	10	3540	14	3890	5	5	5	726	11	1990	14	3240	5	1440	5	1050														
August	12	1010	10	900	14	1120	5	5	5	726	11	1990	14	3240	5	1440	5	1050														
September	12	430	10	450	14	650	5	5	5	594	9	860	14	2710	5	980	5	890														
October	12	600	10	640	14	1000	4	1620	10	1110	14	2790	5	1080	5	990	5	990														
November	7	890	5	760	13	1570	4	2260	9	1560	11	2880	2	1020	2	1170	2	1170														
December	3	530			6	3500																										

MEAN MONTHLY DISCHARGES OF FIFTEEN NEBRASKA STREAMS.

For number of years shown in first column.—*Continued.*

Month	Elkhorn River at Norfolk		Elkhorn River at Arlington		Niobrara River at Valentine.		South Fork Republican River at Benkelman.		Republican River at Benkelman.		Republican River at Superior and Bostwick.		Little Blue River at Fairbury	
	No. Years of Record		No. Years of Record		No. Years of Record.		No. Years of Record.		No. Years of Record.		No. Years of Record.		No. Years of Record.	
January					1	1040					1	710		
February					3	840					1	906		
March					5	1030	2	110	2	120	6	1030		
April	6	650	5	1100	5	900	3	130	3	127	11	770		
May		770	5	1760	5	810	4	85	4	87	12	1150	1	1430
June		810	5	1850	5	790	4	82	4	66	13	1090	1	6560
July		480	5	1790	5	890	4	25	4	45	13	1390	1	1870
August		360	5	1330	5	750	4	24	4	35	13	670	1	1460
September		360	5	1240	5	670	3	9	4	39	12	420	1	235
October		370	5	1140	5	740	3	39	4	70	11	390	1	190
November		330	4	1020	5	810	3	55	3	89	9	460	1	179
December					2	710								

ESTIMATED MONTHLY DISCHARGE OF NORTH PLATTE RIVER
AT GERING, NEBRASKA.

Drainage Area, 24,340 Square Miles.

1897					1898			
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March								
April					6500	1000	3108	185520
May					18500	3400	7326	451490
June					12150	4750	9002	535250
July	4269	1084	2140	131584	5750	500	2048	126150
August	2340	500	1071	65850	350	100	177	10910
September	815	455	537	31954	200	50	100	5940
October	620	455	514	31605	500	100	258	15870
November			*520	30942				
December			*520	31974				
For the period					18500	50	3130	1331130

*Approximate

Period 1898, 214 days.

1899					1900			
January								
February								
March								
April	14080	3155	9448	393510	11900	4400	6582	169710
May	15290	4991	9649	593270	14800	9430	11672	717640
June	23500	1035	1602	953580	15800	5400	10737	638920
July	18035	458	1082	665510	5320	1200	2689	165340
August	5197	145	2964	182250	1157	39	713	43850
September	1316	58	844	50010	400	356	378	22490
October	2275	89	1501	92260	522	399	431	26480
November								
December								
For the period	23500	584	7207	2930390	15800	356	4567	1784430

a 21 days

Period 1899, 205 days

Period 1900, 197 days.



RAWHIDE SIPHON

INTERSTATE CANAL.

ESTIMATED MONTHLY DISCHARGE OF THE NORTH PLATTE
RIVER AT MITCHELL, NEBRASKA.

Drainage Area, 24,400 Square Miles.

1901					1902			
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in- Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March								
April					a3229	494	1603	85870
May					6373	2619	4346	267230
June	a12120	4560	7378	321950	6877	2703	4915	292460
July	b4530	1018	2353	93320	3777	598	1308	80380
August	b566	218	366	14520	559	44	206	12720
September	422	210	322	19210	124	30	69	4080
October	521	235	334	23660	455	130	299	14220
November					b776	374	563	24590
December								
For the period					6877	30	1743	781500

a 22 days. b 20 days

a 27 days. b 22 days. Period 1902. 296 days

1903					1904			
January					a1667	340	867	39550
February					b1830	820	1029	24490
March					c2175	1200	1632	84160
April	5670	1600	2860	170290	2981	710	1511	89910
May	a6310	3410	4507	269200	12700	2720	6873	422600
June	10870	3250	7340	436780	12150	7580	10270	611100
July	5310	1000	2632	161860	5330	1092	2875	176800
August	900	165	472	29050	842	400	594	36520
September	1500	165	765	45540	498	225	382	22730
October	1710	1100	1449	89100	625	170	307	18880
November	b2170	1500	1762	55910	512	280	398	23680
December					1200	181	381	18140
For the period	10870	165	2767	1257500	12700	170	2355	1569000

a 30 days. b 16 days
Period 1903. 229 days.a 23 days. b 12 days. c 28 days.
Period 1904. 336 days.

NORTH PLATTE RIVER AT MITCHELL, NEBRASKA—Concluded.

Month	1905			Total in Acre Ft.	1906			Total in Acre Ft.
	Discharge in Second Feet				Discharge in Second Feet			
	Max.	Min.	Mean		Max.	Min.	Mean	
January -----								
February -----								
March -----	2036	935	1230	76180				
April -----	9600	1480	3573	212600	6110	3270	4490	223000
May -----	14300	7150	10010	615500	15700	4120	6850	421000
June -----	16800	7700	12760	759300	15700	6110	9260	551000
July -----	8300	1480	3594	221000	6110	1640	3190	196000
August -----	2260	520	1296	79690	1920	750	1410	86700
September -----	670	380	420	24990	960	530	742	44200
October -----	670	380	460	28280	1820	500	708	43500
November -----					1750	720	1270	75600
December -----								
For the period	16800	380	4153	2018000	15700	500	2860	1640000
	Period 1905, 245 days				Period 1906, 239 days, a 25 days			
Month	1907			Total in Acre Ft.	1908			Total in Acre Ft.
	Discharge in Second Feet				Discharge in Second Feet			
	Max.	Min.	Mean		Max.	Min.	Mean	
January -----								
February -----								
March -----					1300	610	908	55800
April -----	5700	3400	4300	256000	3060	610	1270	75400
May -----	14500	3400	6430	396000	11080	1300	3020	186000
June -----	16500	11900	13330	793000	22650	5420	8000	476000
July -----	11900	3400	7570	466000	4600	800	2240	138000
August -----	3460	1200	1980	122000	1020	610	832	51100
September -----	1450	750	990	59300	610	30	231	13700
October -----	1200	750	780	48000	340	40	137	8410
November -----	750	550	780	43700	1300	390	933	53500
December -----	1750	550	683	19000				
For the period	16500	550	4304	2203000	22650	30	1940	1060000
	Period 1907, 258 days a 14 days				Period 1908, 275 days			

ESTIMATED MONTHLY DISCHARGE OF NORTH PLATTE RIVER
AT CAMP CLARKE, NEBRASKA.
Drainage Area, 24830 Square Miles.

Month	1896				1897			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January					2404	2042	2287	140623
February					2404	1567	2253	125125
March					2223	450	1299	79873
April					8390	1567	3649	217130
May					10540	6885	8688	534208
June					11400	4520	7491	470389
July	a2886	977	1554	95330	4305	930	2147	132015
August	b1316	628	924	56360	2042	580	1066	65546
September	1186	738	939	55870	580	400	492	29276
October	1290	875	1008	62000	580	350	484	29760
November	1338	706	1074	63910			*500	*29752
December							*500	*30744
For the period					11400	350	3076	1854441

a 30 days
b 29 days

* Approximate.
Period 1897, 304 days

Month	1898				1899			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March								
April	3400	675	1636	97046	a11030	2648	6659	343400
May	17060	2350	5403	332250	19050	3841	10257	620710
June	10600	4550	7030	418710	b23560	11575	16400	980090
July	4200	780	1617	99450	c20500	3950	12230	749720
August	800	60	266	16360	5335	1189	2834	174250
September	200	60	110	6590	1858	682	1076	64010
October	425	110	245	15090	d1894	1105	1372	57160
November								
December								
For the period	17000	60	2322	985490	23560	682	7535	2989350

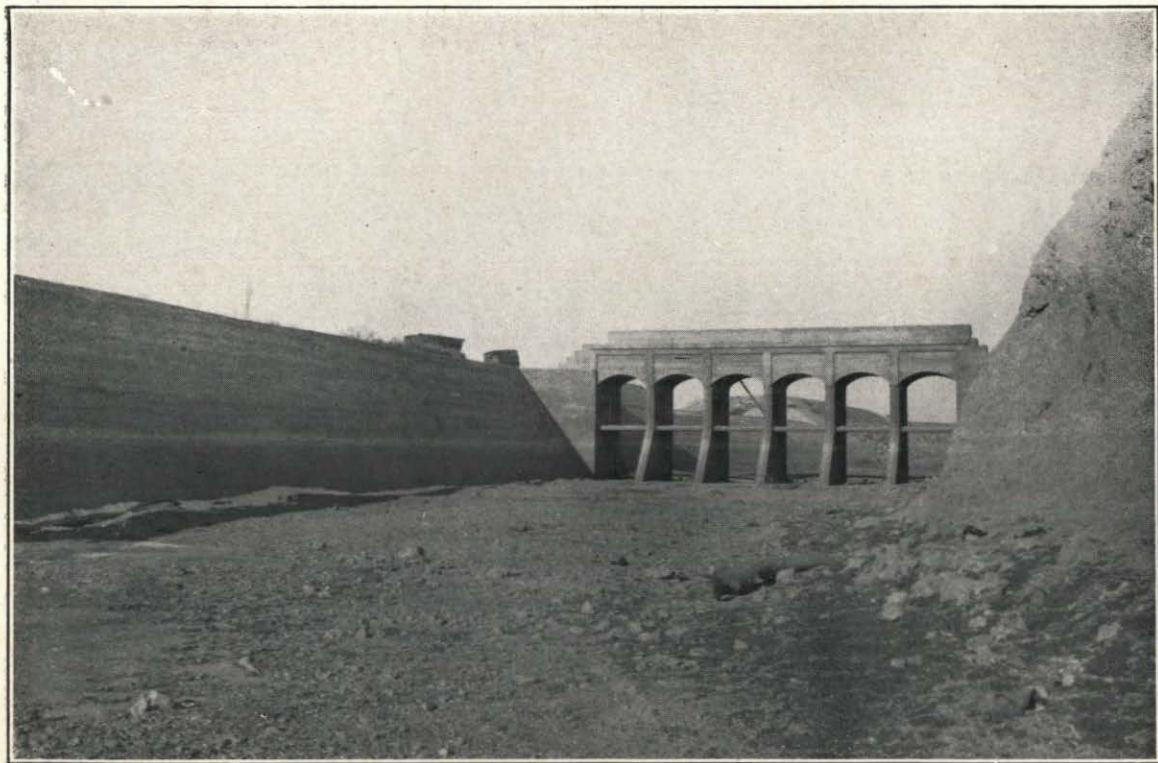
Period 1898, 214 days.
Period 1899, 200 days.

a 26 days. c 28 days.
b 28 days. d 21 days.

NORTH PLATTE RIVER AT CAMP CLARKE, NEBRASKA—Concluded

1900				
Month	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean	
January				
February				
March				
April	8400	2910	5328	242720
May	14009	8195	10379	658110
June	14275	3969	9771	581320
July	4000	770	2227	140840
August	900	230	471	28960
September	425	180	289	17190
October	630	200	369	23740
November				
December				
For the period	14275	180	3850	1580650

a 23 days. Period 1900, 207 days.



CHECK GATES

INTERSTATE CANAL.

ESTIMATED MONTHLY DISCHARGE OF NORTH PLATTE RIVER
AT BRIDGEPORT, NEBRASKA.

Drainage Area, 23,190 Square Miles.

Month	1902				1903			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March								
April					6300	1575	3664	218020
May	a6300	2170	4149	205710	7920	3469	5530	339980
June	6300	1580	4267	253900	10500	3780	7664	456080
July	4000	290	1200	73770	6700	825	2837	174420
August	b930	6	244	13090	1365	90	589	36210
September	c380	0	162	8990	420	0	195	11590
October	d680	290	530	33260	675	90	489	29930
November					a1170	675	883	21000
December								
For the period	6200	0	1736	588700	10500	0	2863	1284100

a 25 days. b 27 days. c 28 days. d 30 days. a 12 days. Period 1903, 326 days.
Period 1902, 171 days.

Month	1904				1905			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March								
April	a4400	536	1393	58020	11700	2150	4822	286900
May	11350	2355	6313	388200	14700	9225	11710	720000
June	12190	6648	9630	573000	17700	9225	14430	858600
July	6990	470	2940	180800	11200	765	4536	278900
August	470	50	157	9654	3192	290	1316	80920
September	312	50	108	6426	600	200	370	22020
October	1850	100	464	28530	1405	290	635	42120
November	b1850	360	846	48660				
December								
For the period	12190	50	2786	1293000	17700	200	5410	2289000

a 21 days. b 29 days. Period 1904, 234 days. Period 1905, 214 days.

NORTH PLATTE RIVER AT BRIDGEPORT, NEBRASKA—Concluded.

1906								
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March								
April	a14500	4150	6710	306000				
May	19700	5700	9790	602000				
June	17600	7300	12000	714000				
July	7800	1140	4120	253000				
August	1500	700	1130	69500				
September	900	660	760	45200				
October	850	560	727	44700				
November	b560	400	478	9480				
December								
For the period	19700	400	4740	2050000				

a 23 days. b 10 days. Period 1906, 217 days

ESTIMATED MONTHLY DISCHARGE OF NORTH PLATTE RIVER
AT NORTH PLATTE, NEBRASKA.

Drainage Area, 28,517 Square Miles.

1895					1896				
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.	
	Max.	Min.	Mean		Max.	Min.	Mean		
January									
February									
March	10180	455	3016	184770					
April	6544	1551	3470	206980	3560	1860	2823	117579	
May	10635	4878	7033	432450	7888	2680	4558	280262	
June	16875	5848	10991	654050	16300	2680	6334	376898	
July	5848	842	3137	192780	2680	250	1134	69727	
August	962	175	492	30253	1860	460	919	56507	
September	45	150	241	14380	1240	550	857	50995	
October	1389	200	810	49804	2500	730	1150	70711	
November	1905	963	1357	80745	3721	730	2166	128886	
December			3405	209370	5860	2731	4348	267350	
For the period	16875	150	3394	2055582	16300	250	2690	1418915	
Period 1895. 306 days					a 21 days Period 1896. 266 days				

1897					1898				
January	8650	4876	6932	426296	5848	4864	5178	318383	
February	9489	2471	6663	370044	8270	2922	5342	296679	
March	9489	1774	3921	241094	3354	1270	2226	136871	
April	13486	2471	5110	304125	3785	1557	2540	151140	
May	21527	7812	13981	859664	14646	3570	5276	324409	
June	23720	6518	13920	828296	12034	4433	6878	409269	
July	6197	1090	3688	226768	4433	324	1846	113506	
August	4754	743	2870	176839	1413	80	353	21705	
September	850	422	609	36238	984	50	352	20945	
October	3878	486	1132	69603	697	254	471	28961	
November	4112	743	2152	128052	2275	660	1088	64740	
December	6037	3174	5116	314634	4433	2275	3472	213486	
For the year	23720	422	5509	3981655	14646	50	2919	2100094	

NORTH PLATTE RIVER AT NORTH PLATTE, NEBR.—Continued.

Month	1899			Total in Acre Ft.	1900			Total in Acre Ft.
	Discharge in Second Feet				Discharge in Second Feet			
	Max.	Min.	Mean		Max.	Min.	Mean	
January -----	7437	5757	6263	385097				
February -----	7437	7437	7437	413030				
March -----	7997	4637	6814	418979	6900	1320	3082	189520
April -----	9851	3023	6509	387312	6900	1800	4108	244000
May -----	13373	4607	9196	565444	14300	7350	9468	582200
June -----	18305	10961	13845	823835	17700	4700	10858	648100
July -----	16257	4917	10743	660566	5025	1120	2255	138630
August -----	6317	1322	3866	237771	2150	100	581	35700
September -----	2215	850	1148	68311	325	70	111	6620
October -----	1557	622	964	59274	800	370	533	32780
November -----	2275	1270	1813	107881	2150	670	1114	66540
December -----	4433	1700	3274	201310				
For the period	18305	622	5989	4328810	17700	70	3565	1944000

Period 1899, full year.

Period 1900, 275 days.

Month	1901			Total in Acre Ft.	1902			Total in Acre Ft.
	Discharge in Second Feet				Discharge in Second Feet			
	Max.	Min.	Mean		Max.	Min.	Mean	
January -----								
February -----								
March -----	9900	1320	3266	200470	4050	950	2257	71630
April -----	4700	1560	2408	143300	3440	1320	2443	145350
May -----	14300	2150	7680	472200	9900	3440	5450	335130
June -----	12700	4050	9733	579200	6900	2950	5139	305750
July -----	4050	75	1508	92730	6100	370	2229	137090
August -----	800	50	346	21300	370	30	102	6309
September -----	1800	565	1668	63500	1800	100	481	28600
October -----	1320	670	1121	68000	1120	670	1035	63490
November -----	1800	1320	1576	93780	1560	800	1094	65180
December -----								
For the period	14300	50	3182	1735440	9900	30	2247	1158520

Period 1901, 275 days.

a 16 days.

Period 1902, 260 days.

NORTH PLATTE RIVER AT NORTH PLATTE, NEBR.—Continued.

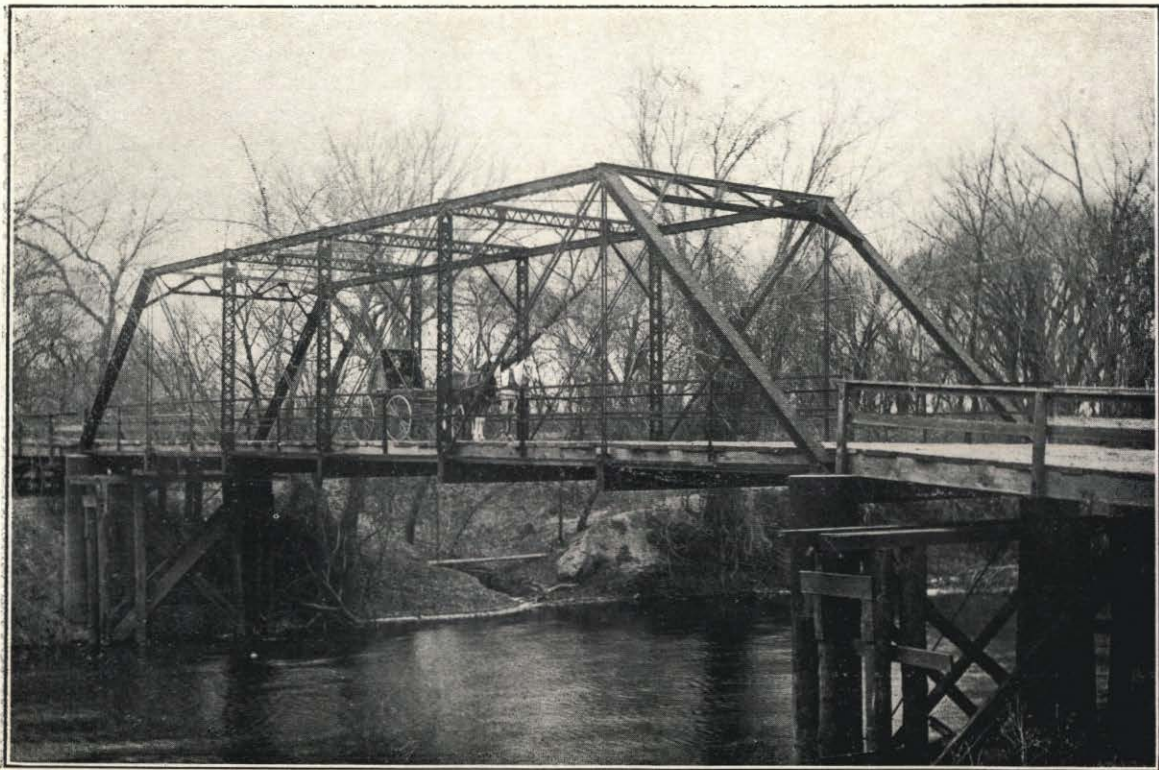
Month	1903			Total in Acre Ft.	1904			Total in Acre Ft.
	Discharge in Second Feet				Discharge in Second Feet			
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March	a14300	2735	6562	221263				
April	5025	2150	3222	191782	3360	1030	1938	115300
May	6100	3440	4862	299199	11370	3768	5644	347000
June	12700	2735	6822	406116	15480	6670	10260	610500
July	8300	670	3342	205861	7264	800	3681	226300
August	1220	370	711	43718	2070	32	399	24530
September	800	325	542	32430	910	20	159	9461
October	1220	875	1087	66837	1794	538	1167	71760
November	b1440	565	1316	46985	1898	1150	1517	90270
December								
For the period	14300	325	3065	1514191	15480	20	3090	1495000
a 17 days.	Period 1903, 249 days.							
b 18 days.	Period 1904, 244 days.							
Month	1905			Total in Acre Ft.	1906			Total in Acre Ft.
	Discharge in Second Feet				Discharge in Second Feet			
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March	a4995	1390	2727	146000				
April	8248	1390	3743	222700	a7910	4520	6100	254000
May	15730	6635	10270	631500	13200	4850	7530	463000
June	23010	9002	14700	874700	19000	6280	10600	631000
July	15180	2080	5983	367900	7070	2080	4150	255000
August	4330	530	1862	114500	3320	50	1130	69500
September	1000	260	585	34810	2200	780	1470	87500
October	1270	200	616	37880	5300	760	1590	97800
November					3340	750	2150	128000
December								
For the period	23010	200	5084	2430000	19000	50	4260	1990000
a 27 days.	Period 1905, 241 days.				a 21 days.	Period 1906, 235 days		

NORTH PLATTE RIVER AT NORTH PLATTE, NEBRASKA—Concluded

Month	1907				1908			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March					2960	1580	2240	138000
April	a5580	3100	4010	239000	2370	1580	2020	120000
May	13230	2280	4870	299000	12310	2010	5860	360000
June	14950	10110	12980	773000	13990	3400	8920	530000
July	12270	2800	8160	521000	5990	1050	2250	139000
August	3930	1310	1770	109000	1050	150	515	31600
September	1820	970	1240	71500	350	160	218	13000
October	2280	1220	1360	84000	4950	200	917	55400
November	2800	1220	1710	102000	3210	480	1390	83000
December	b1600	1220	1430	39800				
For the period	14950	970	4410	2288000	13990	150	2700	1470000

a 28 days Period 1907, 256 days.

Period 1908, 275 days,
b 14 days



90 FT. SPAN, SALINE CO.

State Engineers Office 1908.

ESTIMATED MONTHLY DISCHARGE OF PLATTE RIVER AT
LEXINGTON, NEBRASKA.

Drainage Area, 53,300 Square Miles.

1902				1903				
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March								
April	a2823	1680	2212	74625	9066	2220	3892	231643
May	14672	1950	5492	337598	7510	1950	5200	319710
June	b8748	1842	5135	264829	12190	2520	6471	385070
July	c569	0	2234	119650	9066	1090	3710	228070
August	56	0	27	1666	2220	275	1009	62070
September	2780	0	302	17971	1260	0	239	14250
October	1890	646	1191	73215	1950	390	1140	70069
November	d1220	465	961	15243	a2220	1090	1499	47580
December								
For the period	14672		2204	904797	12190	0	2978	1358430
a 23 days.	c 27 days.	Period 1902, 207 days.		a 16 days.				
b 26 days.	d 8 days.	Period 1903, 230 days.						

1904				1905				
January								
February								
March					a2900	1650	2180	34600
April	2000	1000	1218	72480	11700	2100	4990	297000
May	10700	1025	4295	264100	24500	10500	15800	972000
June	19500	7700	12570	748000	30000	11800	22100	1320900
July	7700	1350	4071	250300	21600	2100	7770	478000
August	2000	0	760	46730	3900	0	1090	67000
September	1350	0	266	15830	2300	0	1100	65500
October	2700	750	1662	102200				
November	3100	1600	2392	142300				
December								
For the period	19500	0	3404	1642000	30000	0	8540	3230000
Period 1904, 244 days.				a 8 days.	Period 1905 191 days			

NORTH PLATTE RIVER AT LEXINGTON, NEBRASKA.—Concluded.

1906

Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March								
April	8500	4400	6420	331000				
May	18000	4000	7770	478000				
June	17000	5300	9070	593000				
July	5400	1900	3010	185000				
August	3000	0	745	45800				
September	1900	100	1060	63100				
October	7600	900	2480	152000				
November	7400	200	4210	251000				
December								
For the period	18000	0	4410	2100000				
a 26 days.								
				Period 1900, 240 days.				

PLATTE RIVER AT COLUMBUS, NEBRASKA.—Continued.

1899					1900				
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.	
	Max.	Min.	Mean		Max.	Min.	Mean		
January									
February									
March									
April	a23700	3690	8677	464560	14530	1594	5584	254760	
May	25770	4700	10377	637840	29440	7300	19040	1170710	
June	25540	5000	13436	798960	25770	6700	14696	874490	
July	24850	7400	14551	894740	10500	200	2980	177300	
August	10400	0	4928	303000					
September					b4600	400	1576	21880	
October					c998	610	806	12790	
November					d950	200	455	8130	
December									
For the period									
a 27 days			a 23 days				b 7 days		
			c 8 days				d 9 days		
1901					1902				
January									
February									
March	a2436	1799	2030	32690	a5664	995	2816	134090	
April	28400	1300	8827	525260	2398	825	1076	64050	
May	9200	2088	5303	326090	13800	1212	5464	335820	
June	12875	5500	9363	557120	9950	4950	6426	382350	
July	b4500	725	2137	46630	11140	995	5267	323840	
August					1150	198	404	24870	
September					975	0	337	20020	
October					5000	690	1798	110550	
November	978	500	672	40010	b925	550	797	45830	
December									
For the period					13800	0	2709	1441420	
a 8 days			* no record				a 24 days		
b 11 days			Period 1902, 267 days				b 29 days		

PLATTE RIVER AT COLUMBUS, NEBRASKA.—Continued.

Month	1903				1904			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January	-----	-----	-----	-----	-----	-----	-----	-----
February	-----	-----	-----	-----	-----	-----	-----	-----
March	a13550	7050	9652	325460	-----	-----	-----	-----
April	7800	1980	4339	258180	-----	-----	-----	-----
May	21600	3309	9460	563150	a8550	1250	4128	196500
June	21600	4000	8433	504780	18190	7730	12880	766400
July	13550	2320	5846	359520	12500	1520	6888	423500
August	6375	1350	3507	215650	2075	0	451	27730
September	4750	190	1174	69900	41	0	3	180
October	1095	190	616	37710	4995	0	1037	63760
November	3100	1035	1920	114590	b1000	1000	1000	51570
December	-----	-----	-----	-----	-----	-----	-----	-----
For the period	21600	190	4723	2448950	18190	0	3800	1530000
a 17 days.	Period 1903, 261 days.				a 24 days.			
	Period 1904, 203 days.				b 26 days.			

Month	1905				1906			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January	-----	-----	-----	-----	-----	-----	-----	-----
February	-----	-----	-----	-----	-----	-----	-----	-----
March	a8080	2280	4914	146200	-----	-----	-----	-----
April	27400	1758	7800	464100	a13600	3240	6530	298000
May	47200	10420	19360	1190000	23200	3430	8180	503000
June	51100	24050	31180	1855000	15400	4490	9220	549000
July	34700	1730	10770	662200	10100	1020	3480	214000
August	8040	0	3217	197800	4260	10	1580	97200
September	8780	0	2978	177200	2440	8	846	50300
October	3180	0	604	37140	4970	330	1640	101000
November	-----	-----	-----	-----	6080	2290	4080	243000
December	-----	-----	-----	-----	-----	-----	-----	-----
For the period	51100	0	10415	4730000	23200	8	-----	2060000
a 15 days.	Period 1905, 229 days.				a 23 days. Period 1906, 237 days.			

PLATTE RIVER AT COLUMBUS, NEBRASKA—Concluded

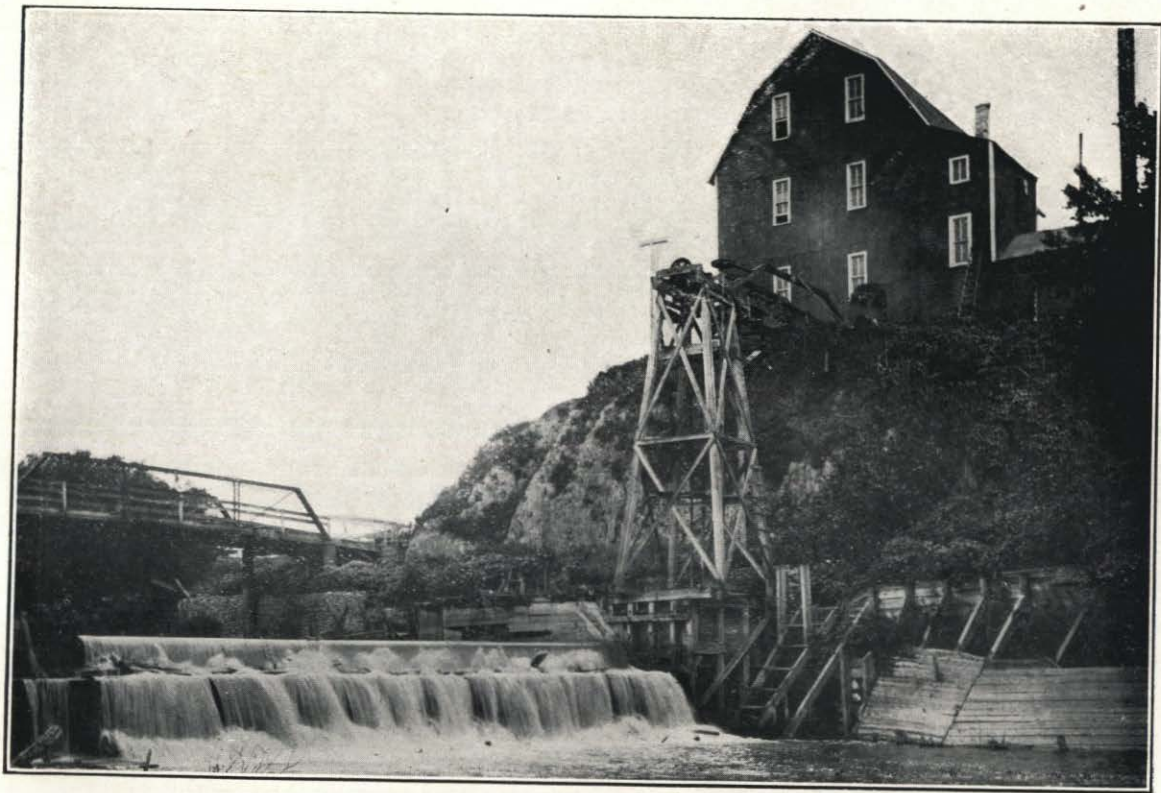
Month	1907			Total in Acre Ft.	1908			Total in Acre Ft.
	Discharge in Second Feet				Discharge in Second Feet			
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March					6660	920	1720	99000
April	17600	1900	4110	244000	1640	520	1030	61000
May	9660	1990	4500	277000	4960	190	2480	152000
June	20800	10350	13330	795000	32800	3400	11750	700000
July	13450	4590	9960	612000	10800	770	3970	252000
August	5900	200	2290	141000	2300	370	832	51100
September	2140	150	720	42800	370	20	99	5890
October	2910	1140	1820	112000	2010	46	402	12900
November	3110	1100	1860	110000	2710	470	1110	66300
December	66900	2140	2720	75500				
For the period	20800	150	4730	2410000	32800	20	2560	1400000

a 29 days.

b 14 days.

Period 1907, 257 days.

Period 1908, 275 days.



STAMFORD MILLS, SAPPA CREEK.

ESTIMATED MONTHLY DISCHARGE OF LOUP RIVER AT CO-
LUMBUS, NEBRASKA.

Drainage Area, 13,542 Square Miles

Month	1895			Total in Acre Ft.	1896			Total in Acre Ft.
	Discharge in Second Feet				Discharge in Second Feet			
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....								
April.....	3675	2303	2754	163850	7018	1970	4078	242660
May.....	4420	2600	2966	182400	4807	2310	2985	183560
June.....	7190	2337	3591	213700	a8000	1928	3009	167090
July.....	2849	1446	2122	130480	3670	2310	2712	166780
August.....	4104	1525	2289	140720	3811	2106	2629	161680
September.....	4995	1715	2427	144430	2968	2063	2460	146350
October.....	2690	1913	2450	150620	3613	2287	2732	167970
November.....	a3643	2562	3011	137370				
December.....								
For the period	7190	1446	2688	1263570	8000	1928	2939	1236090
a23 days.	Period 1895, 237 days.				a28 days.			Period 1896, 212 days.
	1897				1898			
January.....								
February.....								
March.....								
April.....	a7125	2675	3596	171210	3520	2130	2794	166230
May.....	2850	1850	2487	152930	5100	2425	3509	215780
June.....	9550	1800	2893	172120	6675	2000	4026	239550
July.....	11825	1600	2616	160860	2530	1620	1946	119630
August.....	3275	1100	1809	111220	4325	1725	2558	157280
September.....	1700	1000	1427	84940	2950	1460	2003	119210
October.....	b10400	1600	3422	203610	2900	2025	2477	152290
November.....					a2900	2450	2669	63520
December.....								
For the period	11825	1000	2574	1056890	6675	1460	2752	1233490
*a24 days.	b30 days.			Period 1897, 207 days.	a12 days.			Period 1898, 226 days

LOUP RIVER AT COLUMBUS, NEBRASKA—Concluded.

1899					1900				
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.	
	Max.	Min.	Mean		Max.	Min.	Mean		
January									
February									
March.....									
April.....	a5526	2336	3279	188660	4744	2380	3352	199430	
May.....	b4871	1911	3035	150300	10550	2382	3717	228530	
June.....	c7713	1804	3893	77220	14300	2085	3493	207880	
July.....	d6984	596	2104	104310	5380	1980	3265	200760	
August.....	3258	1278	2357	144960	7475	1610	3461	212830	
September....	2945	1847	2206	131290	7550	2375	3268	194480	
October.....	2524	1315	1914	117660	3700	2900	3225	198310	
November.....					a2975	2300	2679	90340	
December.....									
For the period	7713	596	2520	914600	14300	1610	3345	1532570	
a 29 days. b 25 days. c 10 days.					a 17 days.				
d 25 days. Period 1899, 183 days.					Period 1900, 231 days.				

1901					1902				
January.....									
February.....									
March.....	a3134	2621	2871	45560	a4101	2500	3343	159160	
April.....	4681	2573	3254	193650	3206	1976	2409	143370	
May.....	2743	1847	2346	144280	7443	2203	3226	198370	
June.....	7097	1723	3467	206330	5936	2211	3250	193410	
July.....	3048	795	1600	98970	10895	3394	5669	348560	
August.....	2152	964	1377	84670	7685	2463	4767	293120	
September...	4776	1763	2853	169740	6909	1693	3218	191500	
October.....	2647	1898	2243	137900	4712	2500	3011	185170	
November....	3367	1743	2335	138960	b2869	2040	2501	143850	
December....	b2579	2579	2579	5120					
For the period	7097	795	2441	1225170	10895	1693	3488	1856520	
a 8 days. b 1 day.					a 24 days. b 29 days				
Period 1901, 253 days.					Period 1902, 267 days.				

LOUP RIVER AT COLUMBUS, NEBRASKA—Continued.

Month	1903				1904			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....	a8250	4090	5550	209320	a5400	3130	3715	140000
April.....	4740	3400	4027	239650	4300	2740	3343	198900
May.....	b6500	2870	4085	251150	6500	1930	3031	186400
June.....	6060	2150	3188	189680	20000	2150	4364	259700
July.....	15750	2040	3942	242400	11750	2150	4266	262300
August.....	20000	2260	5372	330350	3890	1660	2380	146300
September....	3550	2380	2763	164410	4960	1660	2392	142300
October.....	3710	2380	2796	171950	9750	1660	2941	180800
November.....	b5840	2620	3664	203570	b2500	1510	1961	101100
December.....								
For the period	20000	2040	3868	2002220	20000	1510	3155	1618000

a 19 days. b 28 days.
Period 1903, 261 days.

a 19 days. b 28 days.
Period 1904, 259 days.

Month	1905				1906			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....	a6950	3500	5017	149300				
April.....	11100	3050	5492	326800	a17300	2760	5570	254000
May.....	19680	5150	8665	532800	29400	1810	4700	289000
June.....	20000	3725	8117	483000	3900	1710	2400	143000
July.....	25800	2900	9067	557500	6550	1610	3090	190000
August.....	19190	5050	6949	427300	11400	1520	3262	201000
September....	14600	2400	5637	335400	7120	1610	2720	162000
October.....	5600	3180	4082	251000	6040	1930	2870	177000
November....	5850	2600	4389	261200	4340	2180	3220	186000
December.....								
For the period	25800	2400	6471	3324000	29400	1520	3400	1600000

a 15 days. Period 1905, 259 days.

a 23 days. Period 1906, 237 days.

LOUP RIVER AT COLUMBUS, NEBRASKA—Concluded.

Month	1907			1908				
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....					4800	2000	3070	180000
April.....	a3770	2300	2880	165000	3640	1550	2590	154000
May.....	10900	2410	4170	256000	6600	1850	3420	210000
June.....	8440	1730	3960	236000	17100	1900	6800	405000
July.....	11800	1860	3820	235000	5400	1800	2980	183000
August.....	12220	1400	2800	172000	11400	1700	3340	205000
September.....	5190	2140	2750	164000	2950	1700	1840	109000
October.....	5900	1500	2650	163000	3850	1750	2250	138000
November.....	4160	1610	2500	154000	3200	2010	2660	158000
December.....	b3570	2140	3030	84300				
For the period:	12220	1400	3200	1630000	17100	1700	3220	1750000

a 29 days. b 14 days.
Period 1907, 257 days.

Period 1908, 275 days.

ESTIMATED MONTHLY DISCHARGE OF MIDDLE LOUP RIVER
AT ST. PAUL, NEBRASKA.

Drainage Area, 6,849 Square Miles

Month	1895				1896			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....								
April.....					2430	900	1364	81150
May.....	a1666	933	1173	62820	1440	890	1154	70940
June.....	2987	820	1396	83080	a2250	1215	1542	88690
July.....	1100	614	861	52940	1770	960	1271	78170
August.....	1343	614	973	59840	1685	722	975	59920
September.....	1950	614	877	52200	1190	782	993	59060
October.....	1220	645	840	51650	1478	880	1041	64020
November.....	b1066	933	974	11570				
December.....								
For the period	2987	614	1014	374080	2430	722	1188	501960

a 27 days.

Period 1895, 186 days.

a 20 days.

b 6 days.

Period 1896, 213 days.

Month	1897				1899			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....								
April.....	a1880	1540	1703	33780	a1372	856	1019	26290
May.....	1490	1055	1274	78358	1518	706	1032	63490
June.....	2600	860	1037	61700	14000	547	1026	61060
July.....	1800	660	865	53200	b1920	833	1007	59960
August.....	755	605	672	41340	2133	964	1207	74200
September.....	720	585	681	40530	1074	938	1019	60640
October.....	2800	705	1169	71860	1193	958	1109	68220
November.....								
December.....								
For the period	2800	585	990	380810	14000	547	1065	413870

a 10 days.

Period 1897, 194 days.

a 13 days.

Period 1899, 196 days.

b 30 days.

MIDDLE LOUP RIVER AT ST. PAUL, NEBRASKA.—Concluded

1903

Month	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean	
January				
February				
March				
April.....	a3150	1160	1787	51130
May.....	15600	1250	3531	217130
June.....	4950	1340	1938	115340
July.....	12000	1100	2030	124820
August.....	11500	1000	3365	206920
September.....	1670	1160	1330	79140
October.....	1820	1000	1234	75870
November.....	b1550	845	1059	44120
December.....				
For the period.....	15600	845	2095	914480

a 15 days.
b 21 days.

Period 1903, 220 days.

ESTIMATED MONTHLY DISCHARGE OF NORTH LOUP RIVER
AT ST. PAUL, NEBRASKA.
Drainage Area 4,024 Square Miles.

1895					1896				
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.	
	Max.	Min.	Mean		Max.	Min.	Mean		
January.....									
February.....									
March.....									
April.....					3700	779	1304	77580	
May.....	a1962	842	1189	63690	2327	570	1040	63910	
June.....	1962	987	1531	91120	2825	1139	1488	88530	
July.....	1108	437	865	53150	1460	923	1102	67760	
August.....	1787	593	984	60480	1072	835	904	55600	
September....	3991	648	1094	65080	1016	835	913	54330	
October.....	1953	842	1146	70440	1220	837	958	58910	
November....	b1857	566	1015	42280					
December.....									
For the period	3991	437	1119	446230	3707	570	1099	466620	

a 27 days.
b 21 days.

Period 1895, 201 days.
Period 1896, 214 days

1897					1899				
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.	
	Max.	Min.	Mean		Max.	Min.	Mean		
January.....									
February.....									
March.....									
April.....	a1400	1130	1242	27090	a2925	1130	1710	44090	
May.....	1250	915	1080	66440	1610	867	1141	70190	
June.....	b2550	720	1032	59350	7500	883	1533	91190	
July.....	1890	610	824	50640	2250	701	1034	63590	
August.....	900	570	673	41340	1500	742	1049	64490	
September....	1100	600	705	41950	1156	793	888	52810	
October.....	c1320	720	979	58240	987	118	884	54380	
November....									
December.....									
For the period	2550	570	897	345040	7500	118	1128	440740	

a 11 days.
b 29 days.
c 30 days.

Period 1897, 194 days.
Period 1899, 197 days.

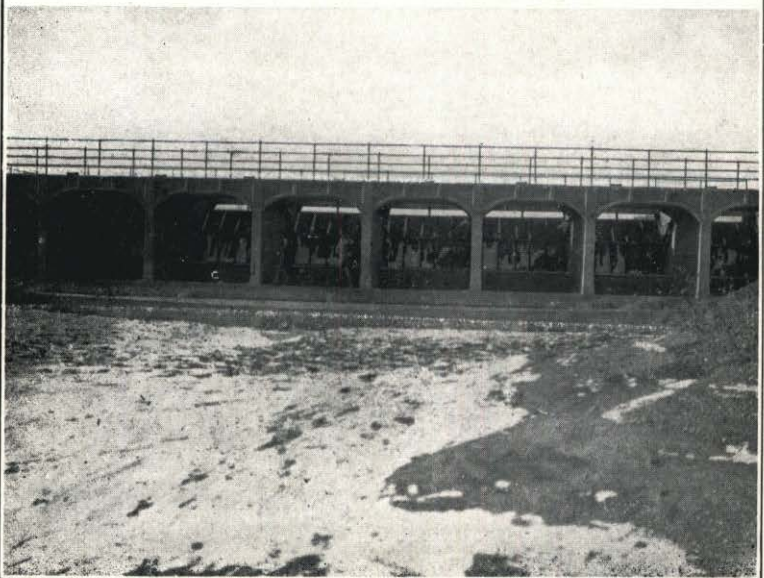
a 13 days.

NORTH LOUP RIVER AT ST. PAUL, NEBRASKA.--Concluded.

1903

Month	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean	
January				
February				
March				
April	a1986	1070	1272	40380
May	b1980	890	1276	75930
June	1700	750 ^l	1089	64800
July	c4500	700	1170 ^o	67320
August	4410	810	1631	74400
September	1180	610	835	49670
October	1560	700	1000	61490
November	2270	400	1316	78310
December				
For the period	4500	400	1298	512300

a 16 days. b 33 days. c 29 days. Period 1903. 199 days.



HEAD GATES AND CHECK GATES—TRI-STATE CANAL

ESTIMATED MONTHLY DISCHARGE OF ELKHORN RIVER AT
NORFOLK, NEBRASKA.

Drainage Area 2,474 Square Miles.

Month	1896				1897			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....								
April.....								
May.....					940	320	533	32800
June.....					370	255	302	17950
July.....	a321	172	206	6530	380	180	244	15030
August.....	570	162	210	12910	275	150	206	12660
September.....	186	155	173	10300	190	115	158	9410
October.....	298	182	210	12940	295	140	205	12830
November.....	b313	298	305	2420				
December.....								
For the period	570	155	203	45100	940	115	276	100680
a 10 days. b 4 days. Period 1896, 112 days.				Period 1897, 184 days.				
1898				1899				
January.....								
February.....								
March.....								
April.....	500	405	464	27620	a553	427	503	23930
May.....	1470	405	704	43260	1750	374	745	45830
June.....	c1380	475	776	32310	2200	296	550	32700
July.....	435	200	317	19490	820	246	376	23130
August.....	440	210	285	17510	334	161	254	15610
September.....	245	160	196	11660	203	80	168	10000
October.....	a280	185	236	13560	237	180	217	13320
November.....	b335	280	303	11420				
December.....								
For the period	1470	160	402	176830	2200	80	400	164530
a 29 days. b 19 days. c 21 days. Period 1898, 222 days.				a 24 days. Period 1899, 208 days.				

ELKHORN RIVER AT NORFOLK, NEBRASKA—Concluded.

1900					1901			
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....								
April.....	1570	318	586	34840	933	431	647	38530
May.....	2400	360	721	44330	767	306	489	30080
June.....	513	220	316	18800	3438	270	1270	75560
July.....	294	145	223	13720	2003	215	765	47070
August.....	310	110	203	12460	231	149	172	10600
September....	290	180	220	13110	362	142	266	15810
October.....	425	195	265	16310	342	308	323	19840
November.....	a380	337	357	12030	357	319	334	19920
December.....								
For the period	2400	110	361	165600	3438	142	532	257410
a 17 days.	Period 1900, 231 days.				Period 1901, 244 days.			

1902					1903			
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....	a644	544	591	21100	a4500	1570	2707	123510
April.....	1028	444	650	38710	1500	430	855	50920
May.....	773	457	616	37900	8000	810	1610	99000
June.....	840	259	490	29160	3860	720	1998	118870
July.....	1462	287	710	43640	5009	440	1007	61980
August.....	729	263	354	21790	1920	940	1177	72430
September....	2750	319	642	38220	1010	210	539	32070
October.....	2597	668	1265	77760	710	180	248	15240
November.....	b701	362	483	22010	b280	180	217	6890
December.....								
For the period	2750	259	653	330300	8000	180	1157	580810
a 18 days.	Period 1902, 255 days.				a 23 days.			
b 23 days.	Period 1903, 253 days.				b 16 days.			

ESTIMATED MONTHLY DISCHARGE OF ELKHORN RIVER AT
ARLINGTON, NEBRASKA.

Drainage Area 5,980 Square Miles.

Month	1899			Total in Acre Ft.	1900			Total in Acre Ft.
	Discharge in Second Feet				Discharge in Second Feet			
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....								
April.....	a804	789	796	4740	1811	484	742	44180
May.....	b2480	793	1567	37300	2283	662	1160	71680
June.....	4315	1013	1701	101190	927	390	610	36300
July.....	1443	538	871	53540	1293	325	562	34530
August.....	811	384	563	34640	1256	322	627	38580
September.....	392	288	329	19380	4160	426	1331	79180
October.....	437	284	361	22220	3656	470	824	50650
November.....					a2006	590	1038	49440
December.....								
For the period	4315	284	820	268260	4160	322	857	404540
a 3 days.	Period 1899, 165 days.			a 24 days.				
b 12 days.	Period 1900, 238 days.							

Month	1901			Total in Acre Ft.	1902			Total in Acre Ft.
	Discharge in Second Feet				Discharge in Second Feet			
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....					a2029	771	1251	52110
April.....	1335	833	1065	63350	1342	731	974	57990
May.....	2133	613	1137	69910	1640	718	931	57260
June.....	4745	541	1869	111210	1280	465	781	46470
July.....	3225	544	1372	84390	9568	585	3633	223370
August.....	533	317	422	25960	3114	471	1453	89370
September.....	745	311	514	30580	1846	530	1001	59550
October.....	679	544	599	35830	3199	1161	2034	125070
November.....	726	537	627	37290	1463	804	1051	62540
December.....								
For the period	4745	311	950	459520	9568	465	1471	773730
	Period 1901, 244 days.			a 21 days.				
	Period 1902, 265 days.							

ELKHORN RIVER AT ARLINGTON, NEBRASKA.—Concluded.

1903

Month	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean	
January				
February				
March	a4800	3890	4253	59089
April	3510	1064	1936	115220
May	b7665	1410	3084	237660
June	8510	1945	4302	257030
July	4650	1178	2516	154710
August	b8670	1290	3567	212230
September	7565	1380	3025	193400
October	2515	1320	1884	115850
November	c1945	613	1399	58270
December				
For the period	8670	613	2876	1403460

a 7 days.
b 30 days.
c 21 days.

Period 1903, 246 days.

ESTIMATED MONTHLY DISCHARGE OF NIORRARA RIVER AT
VALENTINE, NEBRASKA.

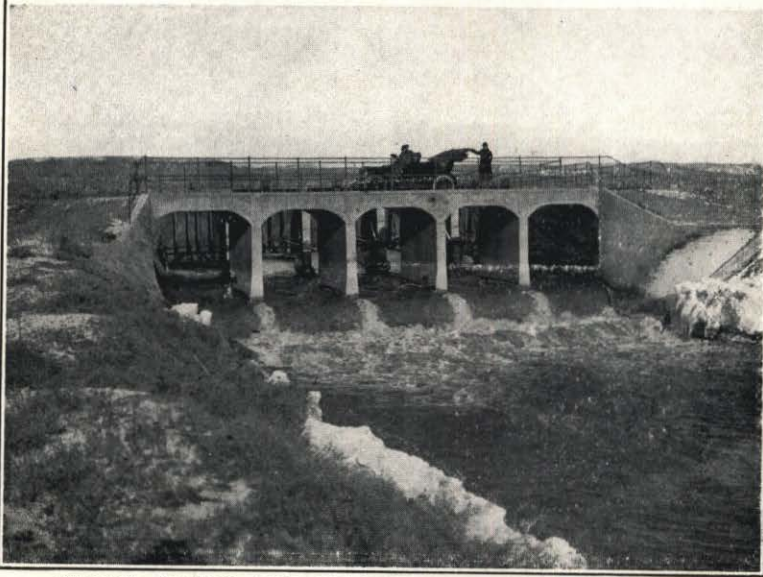
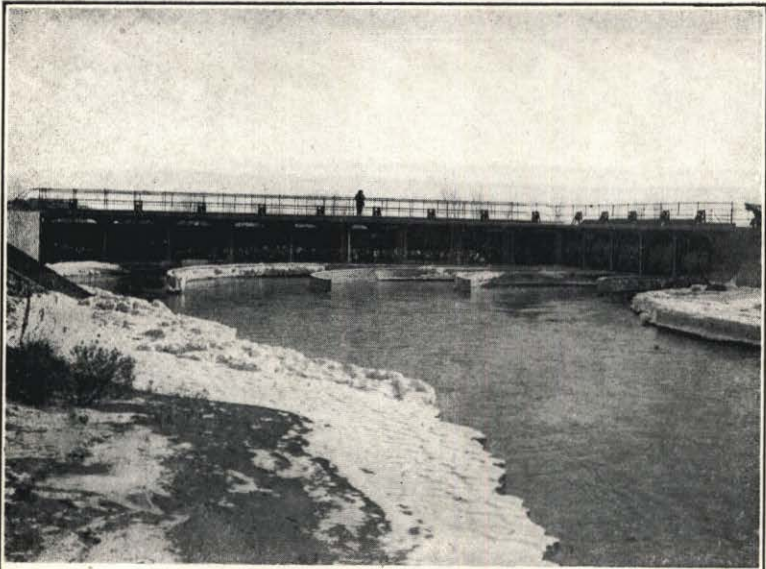
Drainage Area 6,070 Square Miles.

Month	1902				1903				
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.	
	Max.	Min.	Mean		Max.	Min.	Mean		
January									
February					a1525	505	998	27720	
March	a1630	615	1169	51020	1866	525	1357	83470	
April	1155	700	896	53330	1425	750	979	58260	
May	1240	615	802	49310	1075	700	794	48800	
June	1740	580	740	44030	805	615	692	41170	
July	4260	510	808	49720	7000	550	912	56100	
August	865	525	653	40170	6800	525	843	51820	
September	800	550	649	38640	700	580	638	37960	
October	805	655	746	45900	750	580	685	42090	
November	930	700	807	48010	b865	615	724	33040	
December	b805	505	694	8260	c1000	525	722	43000	
For the period	4260	505	794	428390	7000	505	846	523410	
a 22 days. b 6 days. Period 1902, 272 days.				a 14 days. b 23 days. c 30 days. Period 1903, 312 days.					
Month	1904				1905				
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.	
	Max.	Min.	Mean		Max.	Min.	Mean		
January									
February	805	600	640	33550					
March	1000	600	692	42550	a1150	820	945	50610	
April	750	615	674	40110	1150	710	883	52540	
May	865	655	706	43410	1740	675	890	54720	
June	2115	615	835	49690	2300	680	1010	60100	
July	1330	615	675	41510	3420	900	1402	86200	
August	700	580	644	39600	1375	700	902	55460	
September	805	580	627	37310	840	700	760	45220	
October	865	615	760	46730	855	705	774	47590	
November	865	750	800	47610	1030	575	866	51530	
December									
For the period	2115	580	705	422070	3420	575	924	503970	
Period 1904, 301 days.				a 27 days. Period 1905, 275 days.					

NIOBRARA RIVER AT VALENTINE, NEBRASKA—Concluded

1906									
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.	
	Max.	Min.	Mean		Max.	Min.	Mean		
January	1750	705	1040	64000					
February	1180	595	898	49900					
March	1950	390	994	61100					
April	1710	900	1070	63700					
May	1300	620	84	51800					
June	815	575	662	39400					
July	820	573	632	38900					
August	915	595	722	44400					
September	910	607	678	40300					
October	1160	573	760	46700					
November	1040	607	859	51100					
December									
For the period	1950	573	834	551000					

Period 1906. 334 days.



CHECK GATES AND WASTEWAY—TRI-STATE CANAL

ESTIMATED MONTHLY DISCHARGE OF SOUTH FORK REPUBLICAN RIVER AT BENKELMAN, NEBRASKA.

Drainage Area 5,910 Square Miles.

1903					1904				
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.	
	Max.	Min.	Mean		Max.	Min.	Mean		
January									
February									
March					102	31	60	3695	
April					66	6	21	1256	
May	a57	36	48	1142	255	47	92	5682	
June	65	7	37	2202	397	47	132	7855	
July	36	7	15	922	115	5	39	2416	
August	79	7	25	1537	89	11	24	1476	
September	b22	7	15	655	47	5	13	774	
October	50	22	39	2398	115	31	57	3536	
November	c65	50	57	2261	66	47	59	3534	
December									
For the period	79	7	32	11117	397	5	55	30220	

a 12 days. b 22 days. c 20 days.
 Period 1903, 177 days.

Period 1904, 275 days.

1905					1906				
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.	
	Max.	Min.	Mean		Max.	Min.	Mean		
January									
February									
March	a249	96	159	4730					
April	300	52	141	8390	317	73	129	7680	
May	137	52	100	6149	215	52	99.3	6110	
June	283	21	68	4046	52	0	9.0	537	
July	152	5	35	2152	183	0	10.9	670	
August	b96	21	47	1212	0	0	0	0	
September					0	0	0	0	
October					61	0	21.8	1340	
November					61	36	48.0	2860	
December									
For the period	300	5	90	26681	317	0	50	19200	

a 15 days. b 13 days.
 Period 1905, 150 days.

Period 1906, 244 days.

ESTIMATED MONTHLY DISCHARGE OF THE REPUBLICAN
RIVER AT BENKELMAN, NEBRASKA.

Drainage Area 3,965 Square Miles.

Month	1903				1904			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March					111	46	89	5478
April					124	30	64	3862
May	a71	47	58	1380	99	23	53	3314
June	81	43	59	3511	227	46	91	5427
July	112	19	39	2398	211	5	40	2490
August	61	26	32	1968	165	10	29	1802
September	47	19	39	2321	46	0	14	887
October	54	43	49	3013	195	30	61	3769
November	b64	50	56	2222	87	55	64	3844
December								
For the period	112	19	46	16813	227	0	57	30870

a 12 days. b 20 days.
Period 1903, 185 days.

Period 1904, 275 days.

Month	1905				1906			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March	a237	93	151	3890				
April	328	142	183	10900	398	88	135	8030
May	182	97	129	7930	295	59	108	6640
June	118	27	66	3920	263	10	48	2880
July	310	27	74	4540	128	0	25	1520
August	110	3	50	3110	62	2	31	1880
September	105	8	62	3660	108	17	40	2370
October	195	50	87	5340	122	47	83	5120
November					180	117	147	8750
December								
For the period	328	3	96	43300	398	0	77	37200

a 13 days. Period 1905, 227 days.

Period 1906, 244 days.

*ESTIMATED MONTHLY DISCHARGE OF THE REPUBLICAN RIVER AT SUPERIOR AND BOSTWICK, NEBRASKA.

Drainage Area 22,347 Square Miles.

Month	1896				1897			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January					900	555	710	43655
February					1520	420	906	50316
March					650	385	510	31359
April					2870	620	1244	74023
May	1130	180	418	25703	1030	180	420	25825
June	a 1052	441	628	13716	a 750	180	359	17802
July	b 4850	374	1179	70160	4310	119	922	56690
August	1816	228	660	40585	1460	94	259	15924
September	c 423	197	279	16050	241	0	71	4225
October	415	191	231	14204				
November	1137	282	449	26720				
December								
For the period	4850	180	538	207138	4310	0	602	319819

a 11 days.

b 30 days.

c 29 days.

Period 1896, 191 days.

Period 1897, 268 days.

a 25 days.

Month	1898				1899			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March					a 956	601	706	18250
April	a 2130	490	755	16490	842	375	578	34393
May	1870	500	1053	64747	1800	292	511	31420
June	2030	560	1235	73487	4036	141	531	31597
July	1345	220	479	29453	1384	209	458	28162
August	380	100	195	11990	868	136	303	18631
September	470	185	289	17197	102	6	50	2975
October	365	145	264	16233	101	24	53	3259
November	b 470	320	382	14395				
December								
For the period	2130	100	574	243992	4036	6	375	168687

a 11 days.

b 19 days.

Period 1898, 211 days.

Period 1899, 227 days.

a 13 days.

* 1896-1902, gagings made at Superior.

*REPUBLICAN RIVER AT SUPERIOR AND BOSTWICK, NE-
BRASKA.—Continued.

Month	1900				1901			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January . . .								
February . . .								
March . . .								
April	1671	565	909	54090	1507	637	961	57163
May	2945	320	735	45200	622	146	363	22381
June	674	250	392	23330	480	117	219	13031
July	349	67	159	9779	154	5	42	2618
August	a1278	24	178	5650	856	5	70	4304
September . . .					4941	10	1245	74142
October					1490	285	443	27239
November					1030	312	419	24932
December								
For the period					4941	5	470	225810
a 16 days.	Period 1901, 244 days.							
Month	1902				1903			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January . . .								
February . . .								
March	a920	330	644	29380	a7750	1260	2692	96111
April	740	445	555	33028	1260	705	918	54635
May	3115	335	1269	78035	14100	845	4491	276141
June	3235	320	1339	79680	6455	835	1921	114307
July	b12490	970	3422	183250	7825	465	1948	119778
August	1920	330	674	41490	3285	520	1230	75630
September . . .	10875	155	1175	69920	700	270	389	23147
October	1995	520	937	57620	390	245	326	20045
November	970	460	622	37010	690	130	417	24813
December								
For the period	12490	155	1168	609413	14100	130	1549	804607
a 23 days.	Period 1902, 263 days.							a 18 days.
b 27 days.	Period 1903, 262 days.							
* 1896-1902. gagings made at Superior.								

REPUBLICAN RIVER AT SUPERIOR AND BOSTWICK, NEBRASKA.—Continued.

1904				1905				
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March					a1210	930	1082	21460
April					1870	760	1060	63070
May					7130	975	1927	118500
June	a4630	400	1666	82610	7015	975	2949	175500
July	7480	367	1658	101900	24500	1315	5734	352600
August	1020	245	472	29020	11060	630	3082	189500
September	335	60	181	10770	1090	500	725	43140
October	1115	275	514	31600	595	410	479	29450
November	570	465	523	31120				
December								
For the period	7480	60	813	287000	24500	410	2234	993220

a 25 days.

Period 1904, 178 days.

a 10 days.

Period 1905, 224 days.

* 1806-1902, gagings made at Superior.

1906				1907				
Month	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January								
February								
March								
April	a1690	480	673	32000	a480	380	420	24700
May	5130	750	1610	99000	1700	260	531	32700
June	750	260	466	27700	2290	380	704	41900
July	b2140	210	736	35000	1330	180	439	27000
August	1590	260	553	34000	200	0	125	7700
September	460	150	253	15100	180	60	98	5850
October	790	170	371	22100	320	85	138	8470
November	630	525	610	36300	380	165	235	1400
December					b380	320	352	9780
For the period	5130	150	660	301000	2290	0	319	172600

a 24 days.

Period 1906, 230 days.

a 29 days. Period 1907, 257 days.

b 24 days.

b 14 days.

*REPUBLICAN RIVER AT SUPERIOR AND BOSTWICK, NE-
BRASKA.—Concluded.

1908

Month	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean	
January				
February				
March	725	450	520	31900
April	480	255	360	21400
May	1340	255	423	26000
June	7700	280	1760	104500
July	4470	400	955	58600
August	4570	185	930	57100
September	615	110	233	13900
October	4320	120	559	34400
November	685	430	512	30500
December				
For the period	7700	110	695	378000

Period 1908, 275 days.

ESTIMATED MONTHLY DISCHARGE OF LITTLE BLUE RIVER
AT FAIRBURY, NEBRASKA.

Drainage, Area 2,660 Square Miles.

1908

Month	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean	
January				
February				
March				
April				
May	6690	200	1430	25500
June	21100	412	6560	390000
July	8310	425	1870	115000
August	13340	230	1460	90000
September	400	185	235	14000
October	200	180	190	11700
November	189	171	179	10600
December				
For the period	21100	171	1720	657000

a 9 days.

Period 1908, 192 days.

The following table gives a list of discharge measurements of various streams made at points other than regular gaging stations.

We have endeavored to procure measurements of the flow of streams of the state as far as possible, particularly the streams used for irrigation or power.

A large number of these measurements were given in a former report, but it was thought best to reproduce them here with the addition of such measurements as have been made since the last published report.

SUMMARY OF ALL STREAM MEASUREMENTS.

Made in Nebraska at points other than regular gaging stations for the years 1894 to 1908, inclusive.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Ash creek, E. Br.	Half mile above mouth.....	E. T. Youngfelt..	June 25, '96	1.09	Tributary White river
"	" Head of Tomlin D. 30-32-50..	C. B. Channel....	May 15, '99	3.35	" " "
"	" Head of Sheldon D. 33-32-50..	A. B. McCoskey..	Aug. 18, '99	0.33	" " "
"	" Quarter mile above fork.....	T. J. O'Keefe....	June 22, '00	0.25	" " "
"	" Head Tomlin D. 31-32-50....	A. B. McCoskey..	July 17, '00	0.38	" " "
"	" Quarter mile above fork.....	T. J. O'Keefe....	Aug. 20, '00	Dry.	" " "
Ash creek, W. Br.	N. line sec. 25-32-51.....	E. T. Youngfelt..	June 25, '96	1.73	" " "
"	" Woodward's 25-32-51.....	C. B. Channel....	May 15, '99	0.19	" " "
"	" Head of Mace D. 2-32-51....	A. B. McCoskey..	Aug. 18, '96	0.96	" " "
"	" Quarter mile above fork.....	T. J. O'Keefe....	June 22, '00	0.14	" " "
"	" Quarter mile above fork.....	" " " " " "	Aug. 20, '00	Dry.	" " "
"	" Ab. Br'dhurst Dam 35-32-51..	A. B. McCoskey..	July 17, '00	0.97	" " "
Ash creek	Sec. 12-32-51.....	" " " " " "	Sept. 21, '98	0.50	" " "
" "	At Cripps 13-32-51.....	C. B. Channel....	May 15, '99	0.50	" " "
" "	At mouth.....	" " " " " "	May 15, '99	0.76	" " "
" "	Sec. 12-32-51.....	G. W. Bates.....	June 10, '08	15.	Flood
" "	Sec. 12-32-51.....	" " " " " "	June 14, '08	47.8	Tributary White river
" "	Above Spraggs' Dam 10-31-17.	C. B. Channel....	June 20, '98	2.19	Tributary Niobrara R.
Antelope creek..	Section 12-32-40.....	A. B. McCoskey..	June 2, '98	3.1	" " "
Baker creek....	North line sec. 19-31-13.....	C. B. Channel....	June 19, '99	0.35	" " "
Bazile creek....	Niobrara	G. W. Bates.....	May 16, '08	97.0	" " "
" "	Creighton	Arthur Dobson...	Sept. 10, '08	6.3	" " "

STATE BOARD OF IRRIGATION

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Beaver creek	Genoa	O. V. P. Stout	Sept. 7, '94	71.	Tributary Loup river
"	"	W. J. McEathron	Aug. 14, '96	112.2	" " "
"	"	O. V. P. Stout	June 21, '98	149.7	" " "
"	"	"	Aug. 8, '00	50.18	" " "
Beaver creek	Albion	O. V. P. Stout	July 21, '96	47.4	Tributary Loup river
"	"	Glen E. Smith	Apr. 23, '98	88.6	" " "
"	Below diversion Gt. E. Can.	O. V. P. Stout	Aug. 8, '00	7.21	" " "
"	Genoa	"	July 12, '01	74.7	" " "
"	Genoa	"	July 30, '01	85.5	" " "
"	Albion	B. E. Forbes	Dec. 3, '01	92.3	" " "
"	Sec. 20-44-46	C. B. Channel	May 22, '99	8.97	Tributary White river
"	Sec. 4-33-46	G. W. Bates	July 3, '08	1.65	" " "
"	Sec. 34-35-47	"	July 8, '08	1.45	" " "
Beaver or Mud	Ravenna	J. C. Stevens	Mch. 11, '03	984.0	.....
Beaver in Holt	19-32-16	G. W. Bates	Apr. 27, '05	20.0	About twice normal
Birdwood creek	.....	U. S. Geol. Sur.	.....	126.	Tributary No. Platte R.
"	Below Bratt's Ditch	O. V. P. Stout	Sept. 9, '96	133.	Bratt's D., diverting 28.2 sec. feet.
"	Ab. Beauchamp's D. 15-15-33	C. B. Channel	May 7, '98	123.32	.....
"	One mile above mouth	H. H. Pickens	May 25, '99	183.47	.....
"	Sec. 35-15-33	H. O. Smith	Aug. 29, '01	183.	.....
"	Sec. 15-15-33	"	Oct. 30, '01	170.4	.....
"	Below E. Birdwood D.	"	Sept. 23, '03	147.93	.....
"	East Birdwood Ditch	"	Sept. 23, '03	14.46	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Blue creek		U. S. Geol. Sur.		105.	Tributary No. Platte R
"	N. E. $\frac{1}{4}$ of sec. 30-16-42	Adna Dobson	Mar. 28, '97	115.00	
"	Sec. 33-17-42	A. B. McCoskey	Aug. 31, '98	80.6	
"	S. line sec. 18-17-42	H. H. Pickens	May 22, '99	90.12	
"	Above Graff Dam, 19-16-42	E. D. Johnson	July 26, '00	27.39	
"	Sec. 6-16-42	H. O. Smith	July 17, '02	90.0	
"	Sec. 19-16-42	"	Aug. 18, '02	50.0	
"	S. line 18-16-42	"	Aug. 31, '04	26.25	
Blue river	Beatrice	O. V. P. Stout	Aug. 21, '97	203.	
"	"	"	July 4, '98	285.	
"	Seward	"	July 1, '98	42.7	Below dam. Mill not running.
"	Milford	"	July 1, '98	53.4	Below mill.
"	Crete	"	July 2, '98	126.6	Below mill.
"	DeWitt	"	July 2, '98	202.	1000 feet below mill.
"	DeWitt	"	June 7, '00	235.	
"	Blue Springs	"	June 7, '00	250.	
"	Wilbur	"	June 7, '00	189.8	
"	Wymore	"	July 12, '01	235.	
"	Seward	J. C. Stevens	Apr. 5, '02	50.0	
"	Crete	"	Apr. 18, '02	143.0	
"	"	"	Apr. 18, '02	132.	
"	Wymore	"	Sept. 16, '02	234.	
"	"	"	June 4, '04	664.	
"	"	"	June 28, '04	453.	
"	Oak	Jas. A. Green	July 14, '04	517.1	
"	Beatrice	Arthur Dobson	Jan. 18, '08	291.9	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Blue river....	Beatrice	Arthur Dobson...	Feb. 29, '08	705.	.....
" ".....	"	"	Mar. 27, '08	347.2	.....
" ".....	"	"	Apr. 25, '08	305.0	.....
" ".....	"	Adna Dobson....	May 19, '08	383.1	.....
" ".....	"	Arthur Dobson....	June 25, '08	12220.0	.....
" ".....	"	"	June 23, '08	3698.4	.....
" ".....	"	"	July 25, '08	990.0	.....
" ".....	"	"	Sept. 16, '08	307.0	.....
" ".....	"	"	Oct. 23, '08	470.0	.....
" ".....	Wilber	"	Sept. 16, '08	288.0	.....
" ".....	Crete	"	Sept. 17, '08	300.	In mill race.
Blue river, Little	Ayr, Neb.	O. V. P. Stout....	Aug. 23, '00	1.71	.....
" ".....	W. line 18-5-10.....	"	Aug. 23, '00	1.58	.....
Boardman creek.	Two miles above mouth.....	"	July 24, '97	Est. 1	.....
" ".....	Sec. 6-29-33.....	A. B. McCoskey....	May 20, '98	Est. 40	.....
" ".....	Beckley's 13-30-31.....	C. B. Channel....	June 3, '98	16.4	.....
" ".....	Secs. 1 & 2-30-31.....	J. C. Stevens....	Aug. 16, '04	7.3	.....
Boggy creek....	L. bet. secs. 17 & 18-32-54....	A. B. McCoskey....	July 8, '97	.15	Tributary Hat creek.
" ".....	N. line sec. 31-33-54.....	"	July 8, '97	.35	.....
" ".....	N. line sec. 31-33-54.....	"	May 24, '99	.05	.....
Bcne creek.....	Ainsworth	C. B. Channel....	June 12, '98	3.72	.....
" ".....	At Strenger's 16-31-21.....	"	June 17, '99	12.46	.....
Bordeaux ck., Big	Sec. 25-33-48.....	A. B. McCoskey....	Sept. 22, '98	1.9	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Bordeaux ck.,Big	Sec. 23-33-48.....	G. W. Bates.....	June 25, '08	5.97	.....
“ “ “	Sec. 11-32-48.....	“	June 30, '08	0.19	Docket No. 494 using 0.08.
“ “ “	Sec. 21-34-48.....	“	July 17, '08	6.77	.....
Bordeaux ck.,Lit.	Sec. 29-33-47.....	“	June 26, '08	2.17	.....
Brush creek....	Sec. 23-33-13.....	P. T. Francis....	Aug. 14, '02	25.0	.....
“ “	Sec. 26-32-14.....	G. W. Bates.....	Apr. 27, '05	10.4	.....
Buck creek.....	Sec. 14-31-41.....	A. B. McCoskey..	Sept. 1, '98	Est. 4	.....
Burton creek...	At mouth T. 35, R. 19.....	C. B. Channel....	Sept. 17, '98	5.57	.....
Buffalo creek...	Sec. 7-1-40.....	W. A. Channel...	Nov. 22, '00	9.9	.....
“ “	Sec. 33-9-18.....	H. O. Smith.....	July 5, '02	6.4	.....
“ “	Sec. 30-10-20.....	“	July 5, '02	2.0	.....
Buckhorn slough	N. W. ¼ Sec. 8-14-36.....	“	Oct. 2, '08	2.0	.....
Calamus river..	Burwell	O. V. P. Stout....	July 10, '96	368.	.....
“ “	“	Glen E. Smith....	May 17, '99	372.	.....
“ “	Sec. 8-24-19.....	C. B. Channel....	Sept. 20, '99	152.	.....
“ “	Burwell	B. E. Forbes.....	Mar. 25, '02	407.	.....
Cedar river.....	Fullerton	O. V. P. Stout....	Sept. 15, '94	210.6	.....
“ “	“	“	July 11, '96	338.	.....
“ “	“	“	July 21, '98	277.	.....

STATE BOARD OF IRRIGATION

SUMMARY OF ALL STREAM MEASUREMENTS.--Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Cedar river....	Cedar Rapids.....	O. V. B. Stout....	July 21, '96	212.	.....
" ".....	Ericson.....	W. J. McEathron..	Mar. 16, '95	152.	.....
" ".....	".....	".....	June 1, '95	214.	.....
" ".....	".....	".....	Aug. ... '95	112.1	.....
" ".....	Ericson above dam.....	Glen E. Smith.....	May 17, '99	107.4	.....
" ".....	Ericson below dam.....	Glen E. Smith.....	.....	113.	.....
" ".....	Fullerton.....	Adna Dobson....	Nov. 21, '01	291.	.....
" ".....	".....	G. W. Bates.....	Apr. 12, '05	372.	.....
Cedar river., Br.	At mouth near Ericson.....	Adna Dobson....	May 17, '99	5.	.....
Cedar creek....	At Bruce's mill 33-34-25.....	C. B. Channel....	July 9, '99	7.41	.....
" ".....	Sec. 18-14-35.....	H. O. Smith.....	June 17, '03	1.66	.....
Chadron creek..	Above Chadron W. W. 18-32-48	A. B. McCoskey..	Sept. 14, '97	1.59	.....
" ".....	Above Chadron W. W. 18-32-48	C. B. Channel....	May 17, '99	2.24	.....
" ".....	Below Chadron W. W. 18-32-48	A. B. McCoskey..	Sept. 14, '97	0.96	.....
" ".....	Below Chadron W. W. 18-32-48	C. B. Channel....	May 17, '99	2.15	.....
" ".....	Sec. 36-33-49.....	A. B. McCoskey..	Sept. 23, '98	1.23	.....
" ".....	Sec. 36-33-49.....	C. B. Channel....	May 17, '99	8.71	.....
" ".....	Sec. 12-32-49.....	G. W. Bates.....	June 19, '08	3.79	.....
Chimney creek..	Sec. 6-32-22.....	".....	May 7, '05	.78	.....
Clear creek....	Sec. 29-16-41.....	Adna Dobson....	Nov. 23, '96	12.8	Keith County.
" ".....	700 yards below Barber & Marsh headgate 32-16-41.....	H. H. Pickens....	May 19, '99	7.84	Keith County.
" ".....	Sec. 29-16-41.....	H. O. Smith.....	Aug. 8, '01	10.7	Lincoln County.
" ".....	Sec. 5-14-34.....	C. B. Channel....	Dec. 16, '99	3.40	Lincoln County.

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Cot'nwood C., Big	6 miles west of Whitney.....	E. T. Youngfelt..	June 25, '96	.20	Tributary White river
" "	Sec. 21-35-22.....	C. B. Channel....	June 12, '99	1.20	" " "
Cot'nwood C., Lit.	Sec. 7-32-51.....	E. T. Youngfelt..	June 25, '96	.10	" " "
" "	West line Twp. 31, R. 51....	C. B. Channel....	May 15, '99	.29	" " "
" "	Below mouth of Spring creek..	"	May 16, '99	.35	" " "
Coon creek.....	Above Winterer's D. 34-15-37.	"	May 19, '98	.78	.....
Coldwater creek.	Sec. 26-18-46.....	"	May 25, '98	2.93	.....
Crooked creek..	Head Mutz D sw ¼ 20-35-19..	"	June 18, '98	.76	.....
" "	At Mutz 19-34-19.....	"	June 13, '99	1.23	.....
" "	Sec. 1-1-11.....	B. E. Forbes.....	July 2, '02	175.	Flood.
Cook creek.....	Sec. 2-2-18.....	H. O. Smith.....	Sept. 24, '01	.9	.....
Center creek....	Sec. 36-2-15.....	"	June 10, '02	7.6	.....
" "	Sec. 1-1-15.....	"	June 10, '02	7.7	.....
Dead Horse ck..	Sec. 31-33-50.....	A. B. McCoskey..	Sept. 21, '98	Est. .3	.....
" "	Sec. 7-32-49.....	"	Sept. 23, '98	Est. .6	.....
" "	North line sec. 31-33-49.....	C. B. Channel....	May 17, '99	3.46	.....
" "	At Slattery's D. sec. 32-33-49..	"	May 17, '99	3.98	.....
" "	Sec. 32-32-49.....	G. W. Bates.....	June 15, '08	2.70	.....
Dead Man's sl'gh	S. W. ¼ sec. 6-14-36.....	H. O. Smith.....	Oct. 2, '08	1.00	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Deer creek.....	Sec. 22-30-43.....	A. B. McCoskey..	June 1, '98	12.	.....
“ “.....	Sw ¼ sec. 5-40-43.....	J. C. Stevens.....	Aug. 23, '04	7.3	.....
Dismal river....	Dunning.....	O. V. P. Stout....	Aug. 23, '95	293.6	.....
“ “.....	“.....	G. H. Lawrence....	Aug. 22, '94	435.	.....
“ “.....	“.....	Glen E. Smith....	Apr. 28, '98	368.7	.....
“ “.....	“.....	“.....	Nov. 1, '98	351.	.....
“ “.....	“.....	A. B. McCoskey..	Apr. 21, '99	334.48	.....
“ “.....	“.....	R. D. Hubbard....	Sept. 15, '04	394.7	.....
Deadman creek..	Head Phillips D. 19-30-52.....	T. J. O'Keefe....	Oct. 2, '00	1.8	.....
“ “.....	Head P. & R. D. 1-30-53.....	“.....	Oct. 2, '00	1.1	.....
Eagle creek.....	Sec. 9-30-13.....	Geo. W. Bates....	Apr. 25, '05	25.2	.....
“ “.....	Sec. 1-32-11.....	“.....	May 16, '08	64.3	.....
Eagle ck. N. Fk.	Sec. 26-31-13.....	“.....	Apr. 26, '05	8.1	.....
Elkhorn river..	Atkinson.....	Adna Dobson....	Oct. 2, '96	11.1	.....
“ “.....	“.....	A. B. McCoskey..	May 24, '98	110.5	.....
“ “.....	Arlington.....	A. Rosewater....	Aug. ., '94	214.	.....
“ “.....	“.....	Glen E. Smith....	May 26, '98	1808.	.....
“ “.....	“.....	“.....	Dec. 15, '98	422.	.....
“ “.....	Waterloo.....	O. V. P. Stout....	Aug. 15, '96	280.	.....
“ “.....	“.....	“.....	July 17, '96	495.	.....
“ “.....	O'Neill.....	“.....	June 23, '97	20.63	.....
“ “.....	“.....	Glen E. Smith....	June 10, '98	288.	.....
“ “.....	“.....	C. B. Channel....	Aug. 17, '98	31.3	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Elkhorn river..	Ewing	O. V. P. Stout....	Sept. 3, '97	9.77	
" "	"	C. B. Channel....	Aug. 18, '98	53.52	
" "	Arlington	J. C. Stevens....	May 6, '04	1284.	
" "	"	"	May 6, '04	1343.	
" "	Norfolk	Geo. W. Bates....	Apr. 17, '06	1621.	
Elkh'n Riv. N. Fk.	"	O. V. B. Stout....	July 16, '96	70.	
" "	"	Adna Dobson....	Mar. 24, '97	701.	
" "	"	"	May 6, '97	166.	
" "	"	"	May 24, '97	77.	
" "	"	O. V. P. Stout....	July 30, '97	69.8	
" "	"	"	June 20, '98	162.	
" "	"	Glen E. Smith....	Apr. 27, '98	122.	
" "	"	"	May 25, '99	414.	
" "	"	"	Feb. 30, '99	119.	
" "	"	"	Aug. 17, '99	81.30	
" "	"	"	Sept. 25, '99	85.20	
" "	Norfolk Junction Bridge.....	O. V. P. Stout....	May 27, '00	75.9	
" "	" "	"	Aug. 3, '00	89.	
" "	" "	C. B. Channel....	May 31, '01	550.	
" "	" "	O. V. P. Stout....	July 31, '01	150.	
" "	" "	J. C. Stevens....	Mar. 21, '02	118.	
" "	" "	"	Apr. 13, '02	150.	
" "	" "	"	May 12, '02	116.	
" "	" "	"	June 16, '02	137.	
" "	" "	"	July 26, '02	168.	
" "	" "	"	Aug. 22, '02	170.	
" "	" "	"	Sept. 29, '02	242.	

STATE BOARD OF IRRIGATION

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Elkh'n Riv. N. Fk.	Norfolk Junction Bridge	J. C. Stevens	Nov. 14, '02	118.	
" "	Norfolk	"	May 24, '03	386.	
" "	"	"	May 25, '03	498.	
" "	"	G. W. Bates	Apr. 17, '06	523.	
" "	"	Arthur Dobson	Sept. 11, '08	85.	
" "	Pierce	"	Sept. 11, '08	46.5	
Elkh'n Riv., S. Br.	"	C. V. P. Stout	Sept. 3, '97	18.17	
Flag creek	Sec. 3-2-19, above dam	H. O. Smith	Sept. 24, '01	1.5	
" "	Sec. 3-2-19, below dam	"	Sept. 24, '01	.6	
" "	2 miles below dam	"	Sept. 24, '01	.5	
				26.3	
Frenchman river	Sec. 33-4-32	O. V. P. Stout	June 19, '96		
" "	Culbertson	E. T. Youngfelt	June 19, '96	13.4	
" "	"	U. S. Geol. Sur.	Nov. 25, '92	177.	
" "	"	O. V. B. Stout	Mar. 22, '95	120.	
" "	"	A. B. McCoskey	Sept. 16, '99	29.72	
" "	"	O. V. P. Stout	Aug. 17, '00	84.	
" "	Wauneta	Adna Dobson	Apr. 14, '97	127.93	
" "	"	A. B. McCoskey	Sept. 19, '99	62.91	
" "	"	"	July 27, '00	74.30	
" "	Palisade	O. V. P. Stout	July 2, '97	63.23	
" "	"	"	July 19, '97	73.3	
" "	"	Glen E. Smith	July 7, '98	92.	Ab. head Culbertson D
" "	"	H. H. Pickens	May 29, '99	97.32	" "
" "	"	A. B. McCoskey	Sept. 16, '99	65.83	" "
" "	"	"	July 27, '00	91.24	" "

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Frenchman river	Maranville	E. D. Johnson...	July 8, '99	13.33	.....
"	Head Maranville D. 12-6-41...	A. B. McCoskey.	July 26, '00	3.39	Ditch diverting all water.
"	Bel. H'd of Inman's D. 17-6-40	E. D. Johnson...	July 9, '99	16.62	.....
"	Head of Inman's D. 17-6-40...	A. B. McCoskey..	July 26, '00	7.98	Ditch diverting all water.
"	Head of Inman's D. 17-6-40...	E. D. Johnson...	Sept. 29, '00	6.20	.....
"	Below head Wirsig D. 24-6-40.	"	July 10, '99	20.98	.....
"	Head of Wirsig D. 24-6-40....	A. B. McCoskey..	July 26, '00	13.97	Ditch diverting all water.
"	2 miles above Culbertson.....	Adna Dobson.....	June 26, '00	79.	.....
"	W. line sec. 3-5-38.....	H. H. Pickens.....	June 3, '99	29.54	.....
"	Sec. 24-6-40.....	H. O. Smith.....	May 31, '01	11.6	.....
"	Sec. 17-6-40.....	"	May 31, '01	10.6	.....
"	Sec. 24-6-40.....	"	June 18, '01	14.8	.....
"	Sec. 17-6-40.....	"	June 18, '01	18.0	.....
"	Sec. 21-6-39.....	"	June 18, '01	47.3	.....
"	Sec. 5-5-36.....	"	June 21, '01	93.0	.....
"	Wauneta.....	"	June 21, '01	112.9	.....
"	Palisade.....	"	June 21, '01	175.7	.....
"	Culbertson.....	"	July 23, '01	62.1	.....
"	".....	F. Dobson.....	Apr. 25, '02	92.	.....
"	Enders.....	H. O. Smith.....	June 13, '02	60.0	.....
"	Culbertson.....	J. C. Stevens.....	Sept. 18, '02	65.9	.....
"	Head Krotter ditch.....	H. O. Smith.....	Aug. 5, '03	66.5	.....
"	Culbertson.....	"	Aug. 5, '03	71.3	.....
"	".....	"	Aug. 29, '03	56.6	.....
"	Sec. 18-6-40.....	J. A. Green.....	June 28, '04	10.0	.....

STATE BOARD OF IRRIGATION

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Frenchman river	Champion	J. A. Green.....	June 29, '04	45.0	.....
" "	Palisade	"	June 30, '04	240 0	.....
Flowing Well...	Sec. 13-6-40.....	H. O. Smith.....	July 24, '01	0.5	.....
Goose creek....	Sec. 10-22-27.....	C. B. Channel....	Apr. 27, '99	30.27	.....
" "	Sec. 18-25-24.....	R. D. Hubbard....	Sept. 13, '04	14.4	.....
Gordon creek...	Sec. 15-32-29.....	O. V. P. Stout....	July 23, '97	3.53	.....
Golden creek...	Sec. 25-15-39.....	H. O. Smith.....	Aug. 19, '02	0.6	.....
Greenwood creek	Center 15-18-50.....	R. H. Willis.....	June 10, '04	6.0	.....
Hat creek, East.	Sec. 23-32-55.....	A. B. McCoskey..	July 10, '97	.3	.....
" " " "	Above mouth 10-32-55.....	"	July 10, '97	1.05	.....
Hat creek, West.	Above mouth 10-32-55.....	"	July 10, '97	.53	.....
" " " "	Below confluence 10-32-55.....	"	July 10, '97	1.6	.....
" " " "	Head of Steel D. 16-32-55.....	"	July 16, '97	.69	.....
" " " "	Sec. 23-33-55.....	"	Sept. 30, '98	1.41	.....
" " " "	Above Coffee's D. 26-33-55....	"	May 24, '99	3.60	.....
Harney creek...	Sec. 31-33-23.....	C. B. Channel....	June 11, '98	23.49	.....
Horse creek....	Neb.-Wyo. state line.....	A. B. McCoskey..	Oct. 15, '97	10.5	Scotts Bluff County
" "	Neb.-Wyo. state line.....	"	June 16, '99	11.1	" " "
" "	B. & M. Ry crossing.....	E. T. Youngfelt..	June 16, '96	.22	Dundy County

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Horse creek....	Sec. 11-1-39.....	W. A. Channel...	Nov. 22, '00	1.20	Dundy Co.
Horse Head ck..	Sec. 16-33-24.....	C. B. Channel....	June 9, '99	1.15	.....
Holt creek.....	Head Webster Dit. 19-35-20..	".....	June 12, '99	3.58	.....
Indian creek....	Near mouth.....	E. T. Youngfelt..	June 25, '96	.06	Dundy County
" ".....	Line bet. secs. 10 and 11-2-37..	W. A. Channel....	Nov. 14, '00	1.30	" "
" ".....	North line sec. 33-32-50.....	A. B. McCoskey..	Aug. 18, '99	.50	Dawes County.
" ".....	Sec. 28-32-50.....	G. W. Bates.....	June 14, '08	1.46	.....
Indian ck., W. Fk	Sec. 28-32-50.....	".....	June 14, '08	0.42	.....
Indian ck., E. Fk	Sec. 28-32-50.....	".....	June 14, '08	1.22	.....
Jim creek.....	Ab. Woodfuff's dam 14-33-57..	".....	July 22, '97	.22	.....
Keya Paha river.	Ab. mth Burton C. T. 35,R. 19	C. B. Channel....	June 17, '98	62.02	.....
" " ".....	Sec. 24-35-20.....	".....	June 13, '99	38.99	.....
" " ".....	N. W. ¼ sec. 24-34-16.....	Adna Dobson....	Oct. 23, '03	77.6	.....
" " ".....	Sec. 23-34-16.....	G. W. Bates.....	July 15, '05	136.0	.....
Lawrence Fork..	Sec. 36-19-52.....	R. H. Willis.....	June 10, '01	1.7	.....
" ".....	Sec. 36-19-52.....	F. Dobson.....	July 22, '02	1.4	.....
" ".....	Sec. 11-18-52.....	R. H. Willis.....	July 22, '02	1.6	.....
" ".....	Sec. 1- 18-52.....	".....	July 29, '02	2.9	.....
" ".....	Sec. 15-18-52.....	".....	July 31, '02	2.2	.....
" ".....	Criglers.....	".....	Aug. 21, '03	.70	.....

SUMMARY OF ALL STREAM MEASUREMENTS.--Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Lawrence Fork.	Redington	R. H. Willis	Aug. 21, '03	4.3	
"	Niehus	"	Aug. 21, '03	1.25	
"	Sec. 11-18-52	H. O. Smith	Aug. 20, '03	2.76	
"	Sec. 1-18-52	"	Aug. 20, '03	4.00	
"	Above Spring Creek	"	Oct. 25, '05	5.50	
"	Below Spring creek	"	Oct. 25, '05	8.30	
Lodge Pole creek	Kimball	Adna Dobson	May 26, '96	4.5	
"	3 miles east of Sidney	H. H. Pickens	May 15, '99	10.95	
"	1 mile west of Kimball	E. D. Johnson	Aug. 3, '99	7.43	
"	1 mile west of Kimball	"	Aug. 9, '99	2.41	
"	3/4 mile east of Kimball	"	Aug. 11, '99	2.04	
"	1/2 mile above Kinney Ditch	"	Aug. 10, '99	6.52	
"	Above Young's Ditch	"	Aug. 10, '99	15.57	
"	Sec. 33-14-49	"	May 15, '00	3.86	
"	1/2 mile west Jones Dam	"	May 15, '00	6.26	
"	Sec. 14-14-51	"	May 17, '00	2.34	
"	Sec. 31-14-47	"	May 18, '00	2.60	
"	Sec. 3-13-46	"	May 21, '00	2.26	
"	Sec. 12-12-45	"	May 22, '00	1.33	
"	Sec. 23-23-15	"	May 23, '00	7.33	
"	Sec. 36-15-57	"	May 25, '00	4.75	
"	Sec. 2-14-58	"	May 26, '00	9.23	
"	Sec. 36-13-45	"	Aug. 7, '00	3.12	
"	Sec. 3-14-58	"	Aug. 8, '00	6.23	
"	Sec. 23-15-55	"	Aug. 9, '00	6.34	
"	Sec. 33-15-57	"	Aug. 10, '00	12.34	
"	Sec. 3-12-45	"	Aug. 10, '00	1.34	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Lodge Pole creek	Sec. 33-14-49	E. D. Johnson	Aug. 14, '00	6.42	
" " "	Sec. 31-14-47	"	Aug. 16, '00	2.50	
" " "	Sec. 14-14-51	"	Aug. 17, '00	2.35	
" " "	Sec. 2-13-46	"	Aug. 22, '00	2.85	
" " "	Above Polly D. 30-15-55	"	Sept. 10, '00	2.44	
" " "	Below Polly D. at bridge	"	Sept. 10, '00	1.13	
" " "	1 mile west of Kimball	"	Sept. 10, '00	1.29	
" " "	Kimball	"	Sept. 12, '00	4.92	
" " "	"	"	Sept. 15, '00	1.14	
" " "	"	"	Sept. 18, '00	4.30	
" " "	Above Neumann's Dam	"	Oct. 3, '00	3.26	
" " "	Lodge Pole station	"	Oct. 8, '00	2.12	
" " "	Chappel	"	Oct. 18, '00	3.11	
" " "	Sidney	H. O. Smith	July 1, '01	6.7	
" " "	Sec. 9-14-51	"	July 1, '01	5.6	
" " "	Sec. 29-14-48	"	July 2, '01	4.0	
" " "	Sec. 29-14-47	"	July 2, '01	2.2	
" " "	Sec. 31-14-46	"	July 3, '01	3.4	
" " "	Sec. 12-14-59	"	July 30, '01	2.9	
" " "	Sec. 27-15-56	"	July 31, '01	6.2	
" " "	Sec. 36-14-47	"	Apr. 13, '02	4.0	
" " "	Sec. 35-15-55	"	Apr. 25, '02	12.0	
" " "	Kimball	"	June 2, '02	5.6	
" " "	Sec. 25-15-56	"	July 2, '02	7.5	
" " "	Sec. 31-15-56	"	July 2, '02	10.5	
" " "	Sec. 26-15-55	"	Apr. 21, '03	12.6	Head McIntosh Ditch
" " "	Sec. 26-15-56	"	Apr. 25, '03	16.6	Head Hurly, Lilly & Polly.

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

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Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Lodge Pole creek	Head Bay State Ditch	H. O. Smith	May 25, '03	4.4	
"	Sec. 35-15-56	"	May 27, '03	31.3	Head Polly Ditch.
"	Sec. 26-15-56	"	May 29, '03	31.0	
"	Sec. 31-15-56	"	June 1, '03	12.5	Head Kinney Ditch.
"	Sec. 31-15-57	"	June 1, '03	15.8	
"	Sec. 33-15-57	"	June 2, '03	12.8	Head Young's Ditch
"	Sec. 2-14-58	"	June 3, '03	10.1	Ab. Bushnell Ditch
"	Sec. 10-14-51	"	June 18, '03	5.4	Ab. Anderson Ditch.
"	W. line sec. 25-15-56	"	July 23, '03	7.4	
"	Sec. 31-15-56	"	July 23, '03	.5	Below Kinney's dam.
"	3 miles below 31-15-56	"	July 23, '03	7.5	
"	W. line 29-15-55	"	July 24, '03	6.6	
"	Sec. 26-15-55	"	July 24, '03	4.6	
"	W. line 30-15-54	"	July 24, '03	0.0	
"	W. line 3-14-52	"	July 25, '03	3.2	Head Adams Ditch.
"	Center 8-14-51	"	July 25, '03	3.5	
"	Sec. 9-14-51	"	July 25, '03	3.8	
"	Sec. 10-14-51	"	July 25, '03	3.8	
"	Sec. 15-14-51	"	July 25, '03	2.9	Ab. Pomeroy's
"	E. Line 14-14-51	"	July 25, '03	0.0	
"	W. line 29-15-55	"	Oct. 30, '03	15.5	
"	"	"	Nov. 7, '03	21.6	
"	"	"	Nov. 16, '03	20.4	
"	Center 8-14-51	"	Apr. 27, '04	8.62	
"	" 9-14-51	"	Apr. 27, '04	6.62	
"	" 10-14-51	"	Apr. 27, '04	7.25	
"	W. line 33-15-56	"	Apr. 28, '04	14.4	
"	" 33-15-56	"	Apr. 30, '04	12.4	

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Lodge Pole creek	State line	"	May 2, '04	4.3	. . . . .
" " "	1 mile east state line	"	May 2, '04	4.6	. . . . .
" " "	Sec. 8-14-58	"	May 3, '04	34.5	. . . . .
" " "	W. line 29-15-55	"	May 4, '04	20.5	. . . . .
" " "	W. line 33-15-56	"	May 5, '04	48.2	. . . . .
" " "	Kimball	"	June 15, '04	2.1	. . . . .
" " "	"	"	Sept. 6, '04	13.4	. . . . .
" " "	3 miles west Kimball	"	Sept. 8, '04	8.6	. . . . .
" " "	E. line 31-14-46	"	Sept. 8, '04	3.3	. . . . .
" " "	Sec. 30-15-55	"	Dec. 7, '04	25.6	. . . . .
" " "	Sec. 20-14-50	"	Dec. 7, '04	4.4	. . . . .
Lonergan creek	Sec. 17-15-39	C. B. Channel	May 22, '98	6.1	. . . . .
" " "	Sec. 19-15-39	H. O. Smith	Aug. 18, '02	2.5	. . . . .
Lost creek	Sec. 10-1-15	"	June 10, '02	0.7	. . . . .
Long Pine creek	Long Pine	Adna Dobson	Oct. 3, '96	47.1	. . . . .
" " "	" "	C. B. Channel	June 20, '98	50.41	. . . . .
" " "	" "	Glen E. Smith	Aug. 21, '98	44.3	. . . . .
" " "	" "	"	Sept. 8, '98	138.	. . . . .
" " "	Below Miller's Mills 5-31-20	C. B. Channel	June 15, '99	5.9	. . . . .
" " "	Long Pine	B. E. Forbes	Aug. 9, '02	49.7	. . . . .
" " "	" "	Adna Dobson	Oct. 6, '03	38.7	. . . . .
" " "	" "	"	Oct. 6, '03	54.9	. . . . .
Looking Glass cr.	Near Mouth	W. J. McEathron	July . . . '96	15.	. . . . .

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Loup river.....	Fullerton	O. V. P. Stout.....	Sept. 16, '94	170.4	.....
" "	"	"	July 11, '06	2900.	.....
" "	Sec. 13-7-2.....	"	Aug. 19, '94	1335.	From notes L. F. Gottschalk.
Loup river, Mid.	Forks 8½ miles above Mullen.	"	Aug. 20, '95	41.8	.....
" " "	Mullen	"	Aug. 20, '95	120.	.....
" " "	Seneca	"	Aug. 21, '95	216.2	.....
" " "	"	"	Aug. 30, '96	212.3	.....
" " "	"	Glen E. Smith.....	Apr. 28, '98	221.6	.....
" " "	"	"	Nov. 1, '98	198.	.....
" " "	"	C. B. Channel.....	May 2, '99	225.34	.....
" " "	Arcadia	A. B. McCoskey....	Apr. 18, '99	809.66	.....
" " "	Theford	O. V. P. Stout.....	Apr. 22, '95	284.3	.....
" " "	Dunning	"	Apr. 23, '95	321.5	.....
" " "	"	Glen E. Smith.....	Apr. 28, '98	410.	.....
" " "	"	"	Nov. 1, '98	433.	.....
" " "	"	O. V. P. Stout.....	Aug. 30, '96	323.	.....
" " "	"	A. B. McCoskey....	Apr. 21, '99	408.23	.....
" " "	Gates, Custer county.	G. H. Lawrence....	Aug. 25, '94	850.	.....
" " "	Loup City.....	O. V. P. Stout.....	Aug. 29, '95	878.6	.....
" " "	Boelus	Adna Dobson.....	May 28, '97	837.	.....
" " "	St. Paul	B. E. Forbes.....	May 23, '02	1538.	.....
" " "	Senaca	R. D. Hubbard.....	May 24, '04	205.0	.....
" " "	Theford	"	May 24, '04	270.0	.....
" " "	Arcadia	"	June 10, '04	2137.0	.....
" " "	St. Paul	"	June 10, '04	12800.0	.....
" " "	Theford	Jas. A. Green.....	June 28, '04	232.0	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Loup river, Mid.	Gate bridge	Adna Dobson....	Oct. 11, '04	677.9	Sec. 32-19-21
" " "	Senaca	G. W. Bates.....	Apr. 10, '06	236.0	.....
Loup Riv., North	Moulton	G. H. Lawrence..	Nov. 2, '94	460.	.....
" " "	Burwell	O. V. P. Stout...	July 9, '96	625.	Riv. 4 in above normal
" " "	Burwell	Glen E. Smith...	May 16, '99	984.	.....
" " "	Below mouth Wanaduza creek	O. V. P. Stout...	July 24, '97	129.8	.....
" " "	Brownlee	C. B. Channel...	May 1, '99	359.79	.....
" " "	Brownlee	"	Sept. 23, '99	195.84	.....
" " "	Brewster	"	Sept. 21, '99	361.92	.....
" " "	Burwell	B. E. Forbes...	Mar. 25, '02	1088.	.....
" " "	St. Paul	"	May 23, '02	1186.	.....
" " "	St. Paul	R. D. Hubbard...	June 10, '04	2150.	.....
" " "	Brownlee	"	June 20, '04	147.	.....
" " "	Cascade	Jas. A. Green...	June 21, '04	223.	.....
" " "	Brewster	R. D. Hubbard...	Sept. 14, '04	467.3	.....
Loup Riv., South	Callaway	O. V. P. Stout...	Aug. 28, '95	48.	.....
" " "	Callaway	C. B. Channel...	Aug. 3, '98	82.91	.....
" " "	Arnold	"	Aug. 4, '98	31.48	.....
" " "	Georgetown	G. H. Lawrence..	Sept. 10, '96	68.	.....
" " "	Ravenna	O. V. P. Stout...	Aug. 31, '95	296.	.....
" " "	"	"	Aug. 29, '96	142.	.....
" " "	St. Michaels.....	Adna Dobson....	May 28, '98	220.	.....
" " "	Ravenna	J. C. Stevens...	Mar. 11, '03	1723.	.....
" " "	"	"	May 13, '03	399.	.....
" " "	Callaway	Jas. A. Green...	July 26, '04	82.0	.....
" " "	Sec. 27-18-26.....	"	July 27, '04	9.0	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Loup Riv., South	Sec. 31-17-24	Jas. A. Green	July 28, '04	56.0	
" " "	Sec. 30-15-21	"	July 28, '04	103.0	
" " "	Arnold	Adna Dobson	Dec. 9, '04	38.3	
" " "	Callaway	"	Dec. 9, '04	123.8	
Mathew's creek.	Sec. 28-15-37	C. B. Channel	May 19, '98	1.71	
Methodist creek.	Sec. 2-1-18	H. O. Smith	Sept. 24, '01	2.6	
Middle creek, E.	Sec. 32-33-23	C. B. Channel	June 10, '99	.27	
Middle creek, W.	Sec. 32-33-23	"	June 10, '99	1.48	
Minnechaduza	Valentine	C. V. P. Stout	June 24, '97	21.2	
"	"	Glen E. Smith	May 14, '98	23.2	
"	"	A. B. McCoskey	May 18, '98	105.8	
"	"	Glen E. Smith	May 24, '98	89.5	
"	"	C. B. Channell	June 6, '98	33.9	
"	"	Glen E. Smith	June 12, '98	52.5	
"	"	"	July 27, '98	15.3	
"	"	"	Aug. 21, '98	18.2	
"	"	"	Sept. 7, '98	18.8	
"	"	"	Sept. 27, '98	22.1	
"	"	"	Oct. 15, '98	22.5	
"	"	"	Oct. 29, '98	27.	
"	"	"	Jan. 27, '99	26.2	
"	"	"	Feb. 21, '99	45.	
"	"	"	Mar. 15, '99	25.7	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Minnechaduza	Valentine	Glen E. Smith	Apr. 26, '99	32.6	
"	"	"	May 11, '99	35.	
"	"	"	May 26, '99	64.7	
"	"	"	June 26, '99	23.	
"	"	"	Aug. 13, '99	19.	
"	"	"	Sept. 13, '99	23.5	
"	"	"	Sept. 26, '99	26.5	
"	"	O. V. P. Stout	Aug. 1, '01	27.3	
"	"	"	Nov. 14, '01	26.6	
"	"	J. C. Stevens	Mar. 22, '02	38.1	
"	Sec. 29-35-30	"	Apr. 11, '02	14.9	
"	Sec. 2-34-30	"	Apr. 11, '02	17.3	
"	Sec. 8-34-29	"	Apr. 11, '02	26.0	
"	Sec. 30-34-28	"	Apr. 11, '02	33.8	
"	Valentine	"	Apr. 12, '02	38.3	
"	"	"	July 4, '02	27.4	
"	"	"	July 15, '02	23.1	
"	"	"	July 20, '02	22.7	
"	"	"	Aug. 20, '02	23.8	
"	"	J. C. Stevens	Apr. 26, '03	48.0	
"	"	"	May 26, '03	33.0	
"	"	"	Aug. 24, '04	21.0	
"	"	G. W. Bates	May 9, '05	85.3	
Mcroe creek	Head of Schilt Ditch 27-33-56	A. B. McCoskey	July 20, '97	.22	
"	Head Wilcox Ditch 33-33-56	"	July 21, '97	1.02	
"	Head Wilcox Ditch 33-33-56	T. J. O'Keefe	Sept. 24, '00	.84	
"	Sec. 14-33-56	A. B. McCoskey	Sept. 30, '98	Est. .3	

SUMMARY OF ALL STREAM MEASUREMENTS.--Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Medicine creek..	Cambridge	Adna Dobson....	June 28, '06	24.5	.....
Muddy creek...	3 miles above Arapahoe.....	"	June 28, '00	3.7	.....
Niobrara river..	Dawes County.....	Prof. L. E. Hicks.	May 4, '87	98.	.....
" "	Marsland	E. T. Youngfelt..	June 23, '96	4.	.....
" "	"	Glen E. Smith....	Oct. 31, '98	23.24	.....
" "	"	C. B. Channell...	May 29, '99	36.16	.....
" "	Above Marsland 6-28-51....	McCoskey, O'Keefe	July 18, '00	7.03	.....
" "	Gregg's Br. near Marsland....	T. J. O'Keefe....	Sept. 7, '00	11.25	.....
" "	Niobrara City.....	O. V. P. Stout....	June 22, '97	759.	.....
" "	Valetine	Adna Dobson....	Oct. 4, '96	712.	.....
" "	5 miles south of Valentine....	Glen E. Smith....	Mar. 5, '93	650.	.....
" "	Lavaca P. O.....	O. V. P. Stout....	June 25, '97	105.	.....
" "	"	Glen E. Smith....	Apr. 26, '98	209.9	.....
" "	"	A. B. McCoskey...	June 2, '98	152.1	.....
" "	"	Glen E. Smith....	Oct. 30, '98	203.4	.....
" "	Nebr.-Wyo. state line.....	A. B. McCoskey...	Oct. 20, '97	3.56	.....
" "	Above Warneke's D. 27-30-57	"	Oct. 20, '97	5.12	.....
" "	Above Bourrett's D. 33-30-56	"	Oct. 21, '97	6.26	.....
" "	At Bourrett's 32-30-56.....	C. B. Channell...	May 27, '99	13.65	.....
" "	Above Ernest's Dam 9-29-56..	A. B. McCoskey...	Oct. 21, '97	7.36	.....
" "	At Ernest's Ranch 23-29-56....	"	Oct. 21, '97	16.34	.....
" "	At McGinley's 31-29-56.....	"	Oct. 22, '97	9.27	.....
" "	At O. Harris' house, T. 28, R. 54	"	Oct. 23, '97	13.44	.....
" "	Near Bell P. O. 8-28-53.....	"	Oct. 23, '97	11.99	.....
" "	B. T. Moore's R. 11-28-53....	"	Oct. 25, '97	17.1	.....
" "	B. T. Moore's R. 11-28-53....	T. J. O'Keefe....	Sept. 6, '00	10.80	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Niobrara river..	McLaughlin's 10-28-52.....	A. B. McCoskey..	Oct. 25, '97	16.79	.....
" "	H. of proposed Golden D. 13-31-41 } } of Golden Irr. D.	{ Engrs. in employ	Apr. 26, '97	190.	.....
" "	1/4 mile below proposed Golden D. }	{	Apr. 27, '97	195.	.....
" "	Dunlap	A. B. McCoskey..	May 20, '98	75.4	.....
" "	Dunlap	"	Aug. 7, '00	14.12	.....
" "	Sec. 22-29-48.....	"	May 31, '98	55.5	.....
" "	Bridge N. of Ainsworth.....	C. B. Channell..	June 13, '98	958.6	.....
" "	Fort Niobrara.....	Glen E. Smith..	Apr. 24, '98	987.	.....
" "	" "	"	May 13, '98	1588.	.....
" "	" "	"	May 24, '98	1156.	.....
" "	" "	"	June 12, '98	876.	.....
" "	" "	"	July 27, '98	690.	.....
" "	" "	"	Sept. 7, '98	748.	.....
" "	" "	"	Sept. 26, '98	840.	.....
" "	" "	"	Oct. 16, '98	867.	.....
" "	" "	"	Oct. 29, '98	960.	.....
" "	" "	"	Nov. 17, '98	960.	.....
" "	Mouth of Whistle creek.....	C. B. Channell..	May 28, '99	33.04	.....
" "	Hd. Hatch & Cross D. 25-29-50	"	May 29, '98	47.94	.....
" "	Cook's Ranch 6-28-55.....	A. B. McCoskey..	Aug. 3, '99	13.87	.....
" "	" "	"	Aug. 16, '99	10.65	.....
" "	Head of Mirage Can. 26-29-48	McC'y & O'Keefe	Aug. 7, '00	14.50	.....
" "	Head of Hay Spr. C. 29-29-47	"	Aug. 7, '00	4.03	.....
" "	Niobrara	O. V. P. Stout...	Apr. 6, '01	1391	.....
" "	" "	"	Apr. 7, '01	2115.	.....
" "	Valentine	C. B. Channell..	May 12, '01	628.	.....
" "	" "	O. V. P. Stout...	June 26, '01	724
" "	" "	"	Aug. 1, '01	751.

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

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Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Niobrara river.	Niobrara	O. V. P. Stout.	Aug. 27, '01	990.	
" "	Valentine	B. E. Forbes.	Nov. 14, '01	821.	
" "	Niobrara	J. C. Stevens.	May 11, '02	1637.	
" "	W. line sec. 26-29-46	A. Dobson.	June 3, '02	25.4	
" "	Niobrara	J. C. Stevens.	July 6, '02	2021.	
" "	Niobrara	"	July 25, '02	1401.	
" "	Niobrara	"	Aug. 21, '02	1106.	
" "	Niobrara	"	Sept. 28, '02	2201.	
" "	Sec. 31-33-23	"	Aug. 13, '04	752.	
" "	Secs. 26 & 27-34-26	"	Aug. 14, '04	675.	
" "	Sec. 10-33-34	"	Aug. 18, '04	221.	
" "	Secs. 11 & 12-33-36	"	Aug. 20, '04	200.	
" "	Sec. 27-33-37	"	Aug. 20, '04	180.	
" "	Secs. 34 & 35-33-38	"	Aug. 21, '04	117.	
" "	Sec. 21-34-42	"	Aug. 22, '04	54.	
" "	Sec. 18-30-14	"	Aug. 23, '04	27.	
" "	Spencer	G. W. Bates.	May 15, '08	2832	
" "	"	"	May 16, '08	2834.	
" "	"	A. A. Dobson.	June 11, '08	2590.	
" "	"	"	July 23, '08	1283.	
" "	"	"	Sept. 9, '08	867.	
Newman creek.	Head Newman D. 17-33-24	C. B. Channell.	June 9, '99	0.73	
Oak creek	3 miles N. W. of Lincoln	McC'y & Pickens.	May 10, '99	27.46	
" "	3 miles N. W. of Lincoln	McC'y & Johnson.	July 3, '99	703.25	Swollen by heavy rains
" "	Dannebrog	Glen E. Smith.	May 19, '99	5.	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Otter creek.	Sec. 9-15-40.	H. O. Smith.	Aug. 18, '02	18.3	
Platte river.	Columbus	O. V. P. Stout.	Sept. 17, '94	Dry.	
"	Columbus	"	Oct. 6, '94	Dry.	Water 3 1/2 ft. bel. surf.
"	Fremont	"	Aug. 14, '94	1420	
"	"	A. Rosewater.	Late Aug '94	1209.	
"	"	O. V. P. Stout.	Aug. 13, '00	2300.	
"	Grand Island	"	Sept. 7, '98	Dry.	
"	Grand Island	"	Sept. 15, '98	12.	
"	Central City	Glen E. Smith.	Sept. 8, '99	50.	
"	Lexington	H. O. Smith.	May 14, '01	5804.	
"	Lexington	"	May 24, '01	10167.	
"	"	"	June 5, '01	9888.	
"	"	"	June 18, '01	12406.	
"	"	"	July 8, '01	2501.	
"	"	"	July 20, '01	Dry.	
"	"	"	July 22, '01	Dry.	
"	Kearney	"	"	"	
"	Fremont	O. V. P. Stout.	Aug. 11, '01	1152.	
"	Kearney	J. C. Stevens.	Sept. 7, '02	Dry.	
"	South Bend	"	May 5, '03	13179.0	
"	Ashland	"	Aug. 31, '03	41270.0	
"	Grand Island	"	Oct. 1, '03	Dry.	
"	Valley	"	May 7, '04	3976.0	
"	Grand Island.	R. D. Hubbard.	Aug. 28, '04	0.0	
"	Sec. 29-12-26.	H. O. Smith.	Sept. 13, '04	36.0	Head Gothenburg Can.
"	Fremont	G. W. Bates.	Apr. 20, '08	4542.	
Platte Riv., North	Douglas, Wyo.	State Eng'r Wyo.	June 3, '91	10130.	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Platte Riv., North	Douglas, Wyo.	State Eng'r Wyo.	Dec. 4, '91	807.	
" " "	"	"	Nov. 5, '92	595.	
" " "	Fairbanks, Wyo.	"	Oct. 13, '91	579.	
" " "	North Platte	U. S. Geol. Sur.	Sept. 14, '92	770.	
" " "	"	"	Nov. 2, '92	1070.	
" " "	"	"	Nov. 22, '92	1370.	
" " "	"	A. B. McCoskey.	Sept. 2, '98	Est. 12.	
" " "	Camp Clarke	U. S. Geol. Sur.	May 29, '91	8075.	
" " "	"	U. S. Geol. Sur.	Oct 8, '92	235.	
" " "	Lewellen Bridge	A. B. McCoskey.	Sept. 1, '98	Est. 5	
" " "	Lewellen Bridge	H. H. Pickens.	May 22, '99	15901.88	
" " "	Gering Bridge	O. V. P. Stout.	June 1, '01	10360.	
" " "	Camp Clarke	R. H. Willis.	June 27, '01	5800.	
" " "	Camp Clarke	"	July 10, '01	2900.	
" " "	Bridgeport	"	July 27, '01	800.	
" " "	Sec. 18-14-33	H. O. Smith.	July 28, '01	394.	
" " "	Sec. 18-14-33	E. F. Seeberger.	Aug. 7, '01	150.	
" " "	Lewellen	H. O. Smith.	Aug. 7, '01	100.	
" " "	Lewellen	"	Aug. 8, '01	755.	
" " "	Bridgeport	R. H. Willis.	Aug. 28, '01	125.	
" " "	"	F. Dobson.	June 3, '02	4501.	
" " "	"	"	June 14, '02	5433.	
" " "	"	R. H. Willis.	July 10, '02	2084	
" " "	"	F. Dobson.	July 19, '02	835.	
" " "	"	"	Aug. 9, '02	190.	
" " "	Sec. 3-23-58	"	Aug. 26, '02	31.5	
" " "	Sec. 3-23-58	R. H. Willis.	Aug. 28, '02	31.	
" " "	Sec. 3-23-58	"	Sept. 8, '02	8.	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Platte Riv., North	Sec. 3-23-58	R. H. Willis	Sept. 22, '02	620.	
" " "	Sutherland	H. O. Smith	Aug. 27, '04	25.7	Head North Platte Div.
" " "	Sec. 3-23-58	"	Aug. 28, '04	29.6	Head Paxton & Smith Div.
" " "	Lewellen	"	Aug. 30, '04	60.0	
Platte Riv., South	Julesburg, Colorado	U. S. Geol. Sur.	October '92	653.	
" " "	North Platte	"	Early Nov. '92	450.	
" " "	North Platte	"	Late Nov. '92	645.	
" " "	"	O. V. P. Stout	June 29, '96	0.0	
" " "	"	Glen E. Smith	Apr. 19, '99	883.	
" " "	"	"	May 6, '99	86.6	
" " "	"	"	May 22, '99	88.	
" " "	"	"	June 6, '99	Dry.	
" " "	"	"	June 19, '99	Dry.	
" " "	Sutherland	H. H. Pickens	May 23, '99	50.	
" " "	North Platte	O. V. P. Stout	July 17, '01	Dry.	
" " "	"	H. O. Smith	Apr. 9, '02	Dry.	
" " "	"	"	May 20, '02	200.	
" " "	Big Springs	J. C. Stevens	Sept. 5, '02	Dry.	
" " "	"	H. O. Smith	Sept. 23, '02	173.	
" " "	Julesburg, Colorado	J. C. Stevens	Apr. 1, '03	1145.0	
" " "	North Platte	"	Apr. 2, '03	909.0	
" " "	"	"	May 8, '03	50.0	
" " "	Big Springs	"	May 9, '03	20.0	
" " "	Julesburg, Colorado	"	May 9, '03	25.0	
" " "	North Platte	"	June 29, '03	0.0	
" " "	Big Springs	"	July 8, '03	1.0	
" " "	"	"	July 28, '03	2.0	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Platte Riv., South	North Platte.....	J. C. Stevens....	Mar. 23, '04	0.0	.....
" "	Ogalalla.....	A. Dobson.....	Apr. 17, '04	0.0	.....
" "	North Platte.....	R. D. Hubbard....	May 27, '04	11.2	.....
" "	Julesburg, Colorado.....	J. C. Stevens....	May 27, '04	130.0	Estimated.
" "	North Platte.....	".....	June 3, '04	2231.0	.....
" "	Arnold.....	A. Dobson.....	Dec. 9, '04	38.3	.....
" "	North Platte.....	G. W. Bates.....	Mar. 31, '05	382.0	.....
" "	".....	H. C. Gardner....	June 14, '05	7717.0	.....
" "	".....	".....	July 13, '05	170.0	.....
" "	Ogalalla.....	H. O. Smith.....	Aug. 30, '05	34.0	.....
" "	North Platte.....	A. Dobson.....	June 2, '08	94.8	.....
Ponca creek....	Lynch.....	G. W. Bates.....	May 16, '08	20.1	.....
" "	Lynch.....	Arthur Dobson..	Sept. 9, '08	10.0	.....
" "	Near Spencer.....	".....	Sept. 9, '08	6.5	.....
Prairie creek....	Sec. 26-16-5.....	A. Dobson.....	Nov. 21, '01	8.4	.....
Paxton Springs..	Sec. 29-15-27.....	H. O. Smith.....	May 7, '02	0.8	.....
Pawnee creek....	Above Plummer's D. 19-13-27	C. B. Channel....	Apr. 25, '98	4.94	.....
" "	Above Holcomb's D. 12-13-28.	".....	Apr. 25, '98	4.73	.....
Pine creek.....	Sec. 33-30-44.....	A. B. McCoskey..	June 1, '98	24.5	.....
" "	Sec. 22-30-40.....	J. C. Stevens....	Aug. 23, '04	12.8	.....
" "	Sec. 22-30-44.....	".....	Aug. 23, '04	27.0	.....
Plum creek....	At mouth 13-32-22.....	C. B. Channel....	June 13, '98	101.13	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Plum creek.....	Sec. 35-32-23.....	C. B. Channell...	June 10, '99	81.07	.....
“ “	Hoef's mill, sec 27-31-24.....	A. B. McCoskey..	Oct. 26, '00	28.77	.....
Pole creek.....	Sec. 28-32-40.....	“	June 1, '98	Est. 2.	.....
Pumpkinseed Ck.	Sec. 30-19-50.....	R. H. Willis....	May 29, '03	7.9	Court House Rock D.
“ “	Lot 1, sec. 7-19-55.....	“	July 16, '03	1.3	.....
“ “	Sec. 30-19-50.....	“	July 17, '03	3.4	.....
“ “	Secs. 25 & 30-19-50.....	“	July 17, '03	4.4	.....
“ “	Sec. 25-19-51.....	“	July 17, '03	2.7	.....
“ “	Sec. 25-19-51.....	“	July 17, '03	6.6	.....
“ “	N. E. cor. 33-19-52.....	H. O. Smith....	June 16, '04	11.43	.....
“ “	Round House Rock.....	“	Oct. 25, '05	12.0	.....
“ “	One mile from mouth.....	“	Oct. 28, '05	22.0	.....
“ “	Bridgeport	R. H. Willis....	June 3, '07	30.5	.....
Red Bird creek.	Sec. 11-32-10.....	G. W. Bates....	May 16, '08	44.8	.....
Republican river	Culbertson	U. S. Geol. Sur...	Nov. 25, '92	209.	.....
“ “	Oxford	O. V. P. Stout...	June 3, '95	16000.	.....
“ “	Oxford	“	Sept. 12, '95	55.	.....
“ “	Culbertson	C. E. Crownover.	May 16, '96	78.4	.....
“ “	Oxford	“	May 17, '96	255.	.....
“ “	Oxford	O. V. P. Stout...	June 15, '96	109.	.....
“ “	Sec. 24-1-39.....	“	June 16, '96	88.	.....
“ “	Haigler	E. T. Youngfelt..	June 16, '96	6.0	.....
“ “	Benkelman	O. V. P. Stout...	June 16, '96	29.0	.....
“ “	Haigler	“	June 17, '96	8.2	.....

SUMMARY OF ALL STREAM MEASUREMENTS.--Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Republican river	Haigler	E. T. Youngfelt	June 17, '96	14.9	
"	Culbertson	O. V. P. Stout	June 19, '96	6.5	
"	Haigler	"	July 16, '96	9.8	
"	Haigler	"	Aug. 25, '96	10.0	
"	Sec. 19-1-39	"	Aug. 25, '96	5.0	
"	Benkelman	"	Aug. 25, '96	5.0	
"	Culbertson	"	Sept. 10, '96	0.0	
"	Haigler	"	Sept. 18, '96	24.5	
"	McCook	Adna Dobson	Apr. 13, '97	745.	
"	McCook	O. V. P. Stout	July 19, '97	Dry.	
"	Oxford	"	June 24, '98	385.	
"	Culbertson	"	June 25, '98	91.3	
"	Culbertson	"	May 29, '99	Dry.	
"	Oxford	Glen E. Smith	Sept. 6, '99	Dry.	
"	Culbertson	A. B. McCoskey	Sept. 19, '99	Dry.	
"	Crleans	"	Sept. 6, '99	0.3	
"	Head of Meeker Canal	E. D. Johnson	Sept. 19, '99	17.5	
"	McCook	A. B. McCoskey	Sept. 19, '99	12.3	
"	Cambridge	Adna Dobson	June 28, '00	7.2	
"	Oxford	E. D. Johnson	July 18, '00	14.3	
"	Edison	"	July 18, '00	16.6	
"	McCook	A. B. McCoskey	July 27, '00	104.	
"	Benkelman	O. V. P. Stout	Aug. 18, '00	41.7	
"	Sec. 22-3-31	H. C. Smith	June 22, '01	Dry.	
"	Sec. 22-3-31	O. V. P. Stout	July 20, '01	Dry.	
"	McCook	"	July 20, '01	Pools	
"	Oxford	H. O. Smith	July 22, '01	Pools	
"	Culbertson	F. Dobson	Apr. 25, '02	204.	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Republican river	Ives	F. Dobson	April 26, '02	39.	.....
"	Stratton	"	April 26, '02	85.	.....
"	Haigler	"	April 26, '02	52.3	.....
"	Oxford	"	Apr. 27, '02	255.	.....
"	McCook	"	Apr. 27, '02	137.	.....
"	Franklin	H. O. Smith	June 10, '02	743.	.....
"	Benkelman	"	June 12, '02	35.	.....
"	Oxford	J. C. Stevens	Sept. 17, '02	37.	.....
"	McCook	"	Sept. 17, '02	29.	.....
"	Benkelman	"	Sept. 17, '02	45.	.....
"	Culbertson	"	Sept. 18, '02	41.	.....
"	Superior	"	May 19, '03	2198.	.....
"	Superior	"	May 19, '03	245.0	.....
"	Oxford	"	May 19, '03	556.0	.....
"	Haigler	"	May 20, '03	16.0	.....
"	Wray, Colorado	"	May 21, '03	35.0	.....
"	Superior	"	June 4, '03	2896.0	.....
"	Mill race	"	June 4, '03	109.0	.....
"	Warwick, Kansas	"	June 5, '03	741.0	.....
"	Superior	"	June 23, '03	1008.0	.....
"	Superior	"	July 14, '03	7670.0	.....
"	Culbertson	H. O. Smith	Aug. 29, '03	0.0	.....
"	Superior	J. C. Stevens	Sept. 11, '03	951.0	.....
"	McCook	Jas. A. Green	June 30, '04	443.0	.....
"	Naponee	"	July 7, '04	1290.0	.....
Republican, N.Fk	Haigler	O. V. P. Stout	June 7, '96	6.1	.....
"	Benkelman	J. C. Stevens	Apr. 3, '04	112.0	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Republican, N.Fk	Benkelman	Adna Dobson	Apr. 12, '04	31.78	.....
" "	Bostwick	J. C. Stevens	June 6, '04	1289.00	.....
" "	Bostwick	"	June 15, '04	900.0	.....
" "	Benkelman	"	June 16, '04	87.0	.....
" "	Bostwick	"	July 29, '04	2379.0	.....
Republican, S.Fk	Benkelman	"	Aug. 18, '00	3.	.....
" "	State line	H. O. Smith	June 12, '02	32.8	.....
Rock creek.....	B. & M. Ry. crossing near Ives	O. V. P. Stout...	June 16, '96	12.16	Dundy County.
" ".....	B. & M. Ry. crossing near Ives	E. T. Youngfelt..	Aug. 25, '96	12.26	" "
" ".....	Sec. 21-1-39.....	W. A. Channel...	Nov. 22, '00	8.8	" "
" ".....	Ives	F. Dobson.....	Apr. 26, '02	9.9	.....
Rock Springs ck.	Above Moore's D. 12-32-22....	C. B. Channel....	June 14, '98	2.37	Keya Paha County.
Rock creek.....	Sec. 4-31-18.....	"	June 20, '98	2.08	Rock County.
" ".....	Sec. 28-32-18.....	"	June 20, '98	4.59	" "
Rush creek.....	Sec. 33-31-42.....	J. C. Stevens....	Aug. 22, '04	0.6	.....
Salt creek.....	Lincoln	Adna Dobson	Aug. 17, '00	5807.	Flood.
"	"	O. V. P. Stout...	May 20, '01	44.	.....
"	"	Adna Dobson....	July 7, '02	5438.	Flood.
"	"	"	July 10, '02	10136.	Flood.
"	"	B. E. Forbes....	Oct. 1, '02	92.4	.....
"	Ashland	J. C. Stevens....	Aug. 31, '03	217.2	.....

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Sand creek.....	N. W. ¼ Sec. 9-14-36.....	H. O. Smith.....	Oct. 2, '08	4.0	.....
Sandy creek....	Sec. 3-31-15.....	C. B. Channel....	June 17, '99	8.28	.....
Shobe Branch..	At Lambs 32-33-11.....	C. B. Channel....	June 20, '99	1.66	.....
Sand creek.....	Sec. 14-15-40.....	H. O. Smith.....	Aug. 19, '02	1.3	.....
".....	Sec. 33-15.....	G. W. Bates.....	Apr. 27, '05	60.0	Flood.
Sappa creek....	Stanford.....	J. A. Green.....	July 6, '04	37.0	.....
Shell creek....	Platte Center.....	O. V. P. Stout....	July 21, '96	47.4	.....
".....	Schuyler.....	".....	July 24, '96	26.3	.....
Schagle creek..	Sec. 24-33-28.....	G. W. Bates....	May 9, '05	22.0	.....
Silver creek....	Memphis.....	F. S. Dobson....	Feb. 28, '06	8.1	.....
Snake creek....	4 miles E. of sec. 2-30-31.....	Engrs Gold'n I. D.	Mar. 16, '97	222.	.....
".....	Sec. 2-30-31.....	".....	Mar. 22, '97	250.	.....
".....	Sec. 2-30-31.....	".....	Apr. 13, '97	225.	.....
".....	4 miles E. of sec. 2-30-31.....	".....	Apr. 13, '97	240.	.....
".....	At mouth.....	O. V. P. Stout....	July 23, '97	280.	.....
".....	At mouth of Boardman creek..	".....	July 24, '97	215.	.....
".....	N. E. ¼ sec. 15-32-30.....	J. C. Stevens....	Aug. 16, '04	279.	.....
".....	N. E. ¼ sec. 10-30-31.....	".....	Aug. 16, '04	204.
".....	S. E. ¼ sec. 2-30-32.....	".....	Aug. 17, '04	194.
".....	Sec. 16-31-30.....	".....	Oct. 31, '04	245.

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SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Soldier creek...	5 miles above Ft. Robinson.	J. C. Stevens....	Aug. 14, '97	2.28	.....
" "	Fort Robinson.....	E. T. Youngfelt.	June 24, '96	3.23	.....
" "	" "	Glen E. Smith....	Apr. 27, '98	3.67	.....
" "	" "	T. J. O'Keefe....	Aug. 22, '00	1.8	.....
" "	" "	"	Sept. 22, '00	2.5	.....
Sowbelly creek..	Ab. head of Shaefer D. 7-32-55	A. B. McCoskey.	July 16, '97	1.45	.....
" "	Bordarc P. O. 5-32-55.....	"	July 14, '97	1.54	.....
" "	Bridge S. of Gilchrist.....	"	July 24, '97	.08	.....
" "	Sec. 19-33-55.....	"	Sept. 30, '98	Est. 1	.....
" "	N. line sec. 19-32-55.....	"	Aug. 1, '99	1.37	.....
" "	Head of Nutto's D. 24-32-56..	T. J. O'Keefe....	Sept. 24, '00	3.15	.....
Squaw creek...	Patrick Dunn's 15-33-57.....	A. B. McCoskey.	July 22, '97	.13	Sioux County.
" "	Sec. 1-31-52.....	E. T. Youngfelt.	June 24, '96	.66	Dawes County.
" "	Duncan's sec. 28-31-51.....	C. B. Channel...	May 11, '99	1.21	" "
" "	Stetson's sec. 18-31-51.....	"	May 11, '99	.33	" "
" "	Head Daniels and Stetsons D. 19-31-51	"	May 11, '99	.79	" "
" "	Head Cooper D. 36-32-52.....	"	May 12, '99	.72	" "
Skunk creek....	A. Miller's D. 1-14-37.....	"	May 18, '98	2.02	.....
" "	N. W. ¼ sec. 6-14-36.....	H. O. Smith....	Oct. 2, '08	6.00	.....
Spring creek...	Sec. 28-16-41.....	"	May 23, '98	4.5	.....
" "	Sec. 29-16-41.....	"	May 23, '98	6.7	.....
" "	At Mills P. O. 9-34-18.....	"	June 16, '98	7.30	Trib. to Keya Paha
" "	Head Townsend Dit. 35-34-19	"	June 13, '99	5.18	Trib. to Keya Paha

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Spring creek...	Head Opperman Dit. 29-32-20	H. O. Smith....	June 15, '99	0.31	Tributary to Niobrara
" "	At mouth	" "	May 16, '99	0.29	Trib. to Lit. Cottonw'd
" "	Sec. 25-10-31.....	H. O. Smith....	July 11, '01	4.4	.....
" "	Sec. 30-10-21.....	" "	Aug. 18, '02	1.0	.....
" "	Sec. 36-14-47.....	" "	Apr. 23, '02	2.4	.....
" "	Sec. 29-15-37.....	C. B. Channel...	May 19, '98	1.1	.....
" "	Sec. 30-15-37.....	H. O. Smith....	May 7, '02	2.5	.....
Stinking Water.	Palisade	O. V. P. Stout...	June 19, '96	12.24	Above Palisade mill
" "	"	E. T. Youngfelt.	Sept. 17, '96	20.	Below Palisade mill
" "	"	Glen E. Smith...	July 7, '98	23.6	.....
" "	"	Jas. A. Green....	June 30, '04	79.0	.....
" "	"	"	June 30, '04	63.0	.....
Trunk Butte ck.	North line sec. 36-33-50.....	C. B. Channel...	May 17, '99	1.45	.....
" "	North line sec. 36-33-50.....	A. B. McCoskey.	Aug. 18, '99	0.34	.....
Turkey creek...	Sec. 30-4-21.....	E. D. Johnson...	Sept. 6, '99	2.26	Furnas County.
" "	Naponee	O. V. P. Stout...	Aug. 24, '00	7.	Franklin County.
" "	Naponee	Jas. A. Green....	July 7, '04	31.3	.....
Thompson creek	Sec. 4-2-13	E. D. Johnson...	Sept. 8, '99	3.45	.....
Union creek....	Madison	O. V. P. Stout...	July 23, '96	38.3	.....
Victoria creek..	Sec. 1-19-21.....	Adna Dobson....	July 28, '96	5.2	.....
" "	Gates Br.	"	Oct. 11, '04	2.6	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Verdigre creek..	At mouth 6-31-6.....	O. V. P. Stout...	Apr. 7, '01	105.	.....
" " ..	Niobrara	G. W. Bates.....	May 17, '08	137.5	.....
" " ..	Verdigris	Arthur Dobson...	Sept. 9, '08	56.0	.....
Wahoo creek...	Ashland	F. S. Dobson...	May 16, '07	63.5	.....
" " ..	Ashland	"	May 16, '07	71.7	.....
White Horse ck.	Above Lamplugh Lk. 5-14-30.	C. B. Channel...	May 3, '98	2.33	.....
White Tail creek	Ab. White Tail Can. 22-15-38.	"	May 20, '98	24.67	.....
" " "	Above Reed Ditch 15-15-38..	"	May 20, '98	24.62	.....
" " "	Above Holloway Can. 36-15-38	"	May 20, '98	26.06	.....
" " "	S. line 36-15-38.....	H. O. Smith....	May 7, '02	24.07	.....
" " "	N. line 36-15-38.....	"	May 7, '02	36.0	.....
" " "	N. E. ¼ sec. 26-15-38.....	"	May 7, '02	32.0	.....
Weeping Water c	Nehawha	G. W. Bates.....	Mar. 11, '08	38.3	.....
Willow creek...	S. W. ¼ 17-14-35.....	H. O. Smith....	Oct. 2, '08	4.0	.....
West Middle ck.	Above Allen's Ditch 29-33-23..	"	June 11, '98	1.84	.....
" " "	N. E. of N. W. 29-33-23.....	"	June 11, '98	.87	.....
White Clay creek	At Brook's 2-33-45.....	"	May 20, '99	5.27	Sheridan County
" " "	Sec. 32-15-51.....	C. B. Channel...	May 11, '99	0.72	Dawes.
" " "	Sec. 1-31-52.....	T. J. O'Keefe....	Aug. 23, '00	1.50	.....
" " "	Sec. 36-35-45.....	G. W. Bates.....	June 19, '04	11.0	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

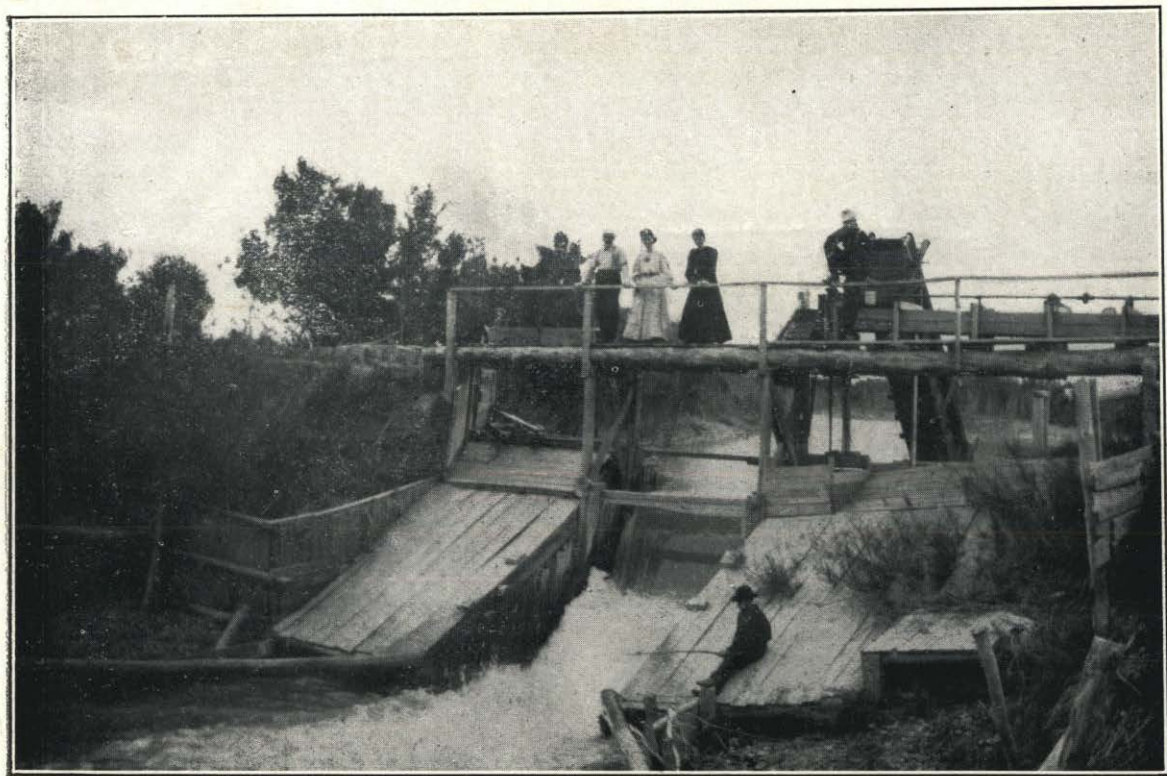
Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Wood river.....	Glenwood	C. B. Channel...	Aug. 8, '98	5.82	.....
" "	Sec. 12-9-16.....	J. C. Stevens....	Sept. 7, '02	27.3	.....
Wooden Spr. Br.	Sec. 25-35-29.....	C. B. Channel...	June 13, '99	2.14	.....
White river.....	Sec. 23-31-53.....	E. T. Youngfelt.	June 24, '96	23.3	.....
" "	Crawford	"	June 24, '96	30.7	.....
" "	Whitney	"	June 25, '96	27.2	.....
" "	Whitney	A. B. McCoskey.	Sept. 21, '98	Est. 8	.....
" "	1 mile below mouth Kyle ck..	"	Aug. 11, '97	6.6	.....
" "	R. R. bridge above Glen.....	"	Aug. 13, '97	5.7	.....
" "	Head of Crawford ditch.....	Stout & McCoskey	Aug. 14, '97	11.9	.....
" "	Bridge below Crawford.....	A. B. McCoskey.	Aug. 14, '97	8	.....
" "	Bridge below Crawford.....	"	Sept. 9, '97	6.96	.....
" "	Head of Crawford Ditch.....	"	Sept. 20, '97	10.44	.....
" "	Bridge below Crawford.....	"	Sept. 20, '97	7.53	.....
" "	Head of Crawford Ditch.....	"	Oct. 18, '97	15.25	.....
" "	Bridge below Crawford.....	"	Oct. 18, '97	10.13	.....
" "	Head of Crawford Ditch.....	"	Nov. 5, '97	15.87	.....
" "	Bridge below Crawford.....	"	Nov. 5, '97	10.58	.....
" "	Head of Crawford Ditch.....	Glen E. Smith.	Apr. 27, '98	18.3	.....
" "	Bridge below Crawford.....	"	Apr. 27, '98	11.1	.....
" "	"	A. B. McCoskey.	Sept. 20, '98	7.7	.....
" "	Head of Crawford Ditch.....	"	Sept. 24, '97	13.65	.....
" "	Whitney.....	C. B. Channel...	May 15, '99	10.37	.....
" "	Below Crawford	A. B. McCoskey.	May 17, '99	18.68
" "	Force's Ranch 31-31-54.....	"	May 19, '99	4.41

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*When these measurements were taken the water was all diverted into Crawford ditch. The gaging at the bridge below Crawford show only water accumulated between the two points, from Soldier creek, seepage, springs, etc.
The actual discharge of the stream at Crawford with the Crawford ditch closed would be a little less than the sum of the discharges at the two

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
White river.	Head of Crawford Ditch.	A. B. McCoskey.	May 19, '99	16.70	points on the same
"	Bridge below Crawford.	"	May 19, '99	18.05	date.
"	"	"	May 22, '99	45.89	Swollen by heavy rains
"	"	"	Aug. 19, '99	16.20	"
"	At Andrews' Siding.	C. B. Channel.	May 26, '99	4.93	"
"	Head of Crawford Ditch.	McC'y & O'Keefe.	July 16, '00	15.48	Ditch not diverting any water
"	Bridge below Crawford.	"	July 16, '00	28.29	"
"	Head of Crawford Dam.	T. J. O'Keefe.	Aug. 22, '00	14.00	"
"	Bridge below Crawford.	"	Sept. 1, '00	13.5	"
"	Whitney.	"	Sept. 3, '00	5.	"
"	Crawford	B. E. Forbes.	July 11, '01	11.5	"
"	Sec. 23-31-53	C. Spearman.	July 24, '01	16.3	"
"	Sec. 34-32-52	A. Dobson.	June 2, '02	64.9	"
"	Sec. 25-32-52	B. E. Forbes.	Aug. 20, '02	10.4	"
"	Crawford	J. C. Stevens.	Apr. 27, '03	31.0	"
"	Crawford	"	May 27, '03	19.0	"
"	Crawford	Page T. Francis.	Apr. 20, '05	21.5	"
"	"	"	May 4, '05	51.5	"
"	"	"	May 15, '05	27.6	"
"	"	"	May 29, '05	25.2	"
"	"	"	June 3, '05	34.5	"
"	"	"	June 10, '05	21.5	"
"	"	"	July 29, '05	55.0	9 a. m.
"	"	"	July 29, '05	96.0	3 p. m.
"	"	"	July 30, '05	400.	9 a. m.
"	"	"	July 30, '05	120.0	3 p. m.
"	"	"	July 31, '05	63.0	9 a. m.
"	"	"	Aug. 4, '05	41.2	"



SCHWABE'S DAM ON WHITE RIVER

SUMMARY OF ALL STREAM MEASUREMENTS.—Concluded

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
White river....	Crawford	Page T. Francis.	Aug. 7, '05	35.3	.....
" "	"	"	Aug. 12, '05	301.6	.....
" "	"	"	Aug. 13, '05	92.0	.....
" "	"	"	Aug. 20, '07	36.0	.....
" "	Sec. 7-34-47.....	G. W. Bates.....	July 8, '08	99.1	.....
No name.....	Sec. 25-2-19.....	H. O. Smith.....	Sept. 24, '01	1.36	.....
"	Sec. 31-2-18.....	"	Sept. 24, '01	0.3	.....
"	Sec. 32-2-18.....	"	Sept. 24, '01	0.6	.....

STATE BOARD OF IRRIGATION

To the Secretary of the State Board of Irrigation:—

Biennial report of H. O. Smith, Under Secretary for Water Division No. 1.

There has been a very marked improvement in the conditions relating to irrigation in Western Nebraska during the bi-ennium of 1907-08 over those existing in the prior years, especially the earlier periods of 1900 to 1904. It is probably true that this improvement is partly due to an increased rainfall in that territory, though the records do not show a very material increase for a period of years and practically none for the years 1907 and 1908. There are other causes that have contributed more to this improvement than the slightly increased rainfall.

In the smaller streams, and it is in the valleys of these streams that a large proportion of the irrigated lands of the State are located, there is a very noticeable increase in the normal flow and in the regularity of the flow. I attribute this to two principal causes; First—the more water there is used, and the longer it is used, the greater is the seepage back into the parent stream, in fact the water applied to the land is not lost but stored and gradually and steadily though slowly returns to the stream, resulting in a great improvement in the regularity of the flow. Cultivation of the land is also an important factor in this storage problem. Second—Under the policies and rules of the irrigation department the excessive and wasteful methods of irrigation practiced in the early days have been succeeded by economical and intelligent methods, to the great advantage of the individual irrigator and benefit of the irrigators on the stream collectively. There is still room for improvement on these lines. Lodge Pole Creek is a typical stream for this state and one on which the methods of using water have been, probably, more effectively reformed than any other stream in state, at least I have no knowledge of any other where the conditions have been so much improved.

The records show that on no other stream in the state is there as great an area of land irrigated in proportion to the volume of the flow as on this stream. The amount of water appropriated from Lodge Pole Creek in Nebraska is 139.87 second feet, covering 9790 acres. The flow of the stream during the irrigation season amounts to from 4 to 20 second feet exclusive of floods, of which nothing is utilized because of lack of storage facilities.

As an example of the improvement effected, on the Bennett ranch in the eastern part of Kimball County, which includes about six miles of Lodge Pole valley, prior to 1904 were two small ditches covering a total of about 400 acres, but owing to the irregularity and a scarcity of water supply at that point, in no season was more than half of the land irrigated. In 1904 a new system of ditches was commenced and completed in 1905. Under the improved conditions more than 2400 acres of land on this ranch were successfully and effectively irrigated during each of the years 1907 and 1908.

On Lodge Pole Creek, as on other smaller streams in Nebraska, there is an enormous loss of valuable water in the winter flow which is considerably greater than the summer flow, and in the heavy floods which frequently sweep down the valley, leaving a trail of wrecked bridges, dams and ditches. There is a move on foot in Kimball County to conserve and store this flow and it is to be hoped that it will be successfully carried out. Such a waste of so valuable an adjunct to production is repulsive to the American idea of thrift and is not to be tolerated. It is a pity that in this matter Nebraska should be so far behind her neighboring states. In Colorado and Wyoming immense sums of money have been invested, not spent, in storing every available foot of water, and not without adequate returns. Six to eight years ago non-irrigable lands in Western Nebraska were valued at \$1 per acre and no market. Today they find ready sale at \$7 per acre. At the same time irrigated lands were valued at from \$10 to \$20 per acre, today they sell for \$100 per acre and up.

Some day the people of Nebraska will awake to the fact that its most valuable possessions are located in the western part, the part that is at present thought but little of, and spoken of but slightly. But others, outsiders with experience with similar conditions in other states, where these valuable resources are utilized, will get on the ground and reap the benefits.

Respectfully submitted,

H. O. SMITH,
Under Secretary W. D. No. 1

To Adna Dobson, State Engineer, Secretary of the State Board of Irrigation, Lincoln, Nebraska:

I submit herewith my official report for the bi-ennium ending November 30, 1908.

During the past two years in the capacity of Under Secretary of the State Board of Irrigation, I have examined 20 original applications in different parts of my division. They consisted mostly of applications for water from small streams and for holding flood waters by means of dams built across draws.

I have investigated above 50 complaints, a great many of which were from people who lacked sufficient water for domestic purposes owing to persons above using the water for irrigation. I have also examined a great many old applications where proof had not been made. I estimate that in the two years I have traveled by rail over 1000 miles, and with a team near 4000 miles.

The rainfall in this section during the years of 1907 and 1908 has been rather above normal and very seasonable for the crops consequently so much attention has not been given to irrigation as in dry years. The greater number of ditches, dams, bridges, culverts, etc., which have been washed out by floods have been and are being rebuilt and more substantially. The months of April and August 1908 were exceptionally dry months, causing as many complaints as I could easily handle.

I would suggest again, as in my last biennial report, a change in the measurement of water, making it in acre feet rather than foot per sec., allowing each irrigator to have the entire flow of the stream, or as much as his ditch will carry until he has received his proportion instead of dividing the stream and thus losing so much water by seepage.

In this district, much work is to be done in damming the dry draws to hold flood waters. I would say that I consider that the law concerning the jurisdiction of the Board of Irrigation in this matter is not explicit enough. For instance, I have a case in my division where a certain man made application for permission to dam a dry draw thus receiving the flood waters for irrigation, which permission was given him by the State Board of Irrigation. Some parties above him dammed the stream, received the water and claim they use it for domestic purposes. The law says a man has first right to water originating on his land. Hence it occurs to me that a more explicit law concerning the distribution of flood water is necessary.

Respectfully submitted,

PAGE T. FRANCIS

Under Secretary Water Division No. 2, State Board of Irrigation.

RECOMMENDATIONS

In a general way the Nebraska irrigation law has proven quite satisfactory, and many of the states where irrigation is practiced have passed similar laws. Our law provides for a central office of record where all the rights to the use of the public waters of state are recorded, and we are enabled to show the number and extent of all appropriations of water from any watershed, and as the law makes it the duty of Secretary of State Board of Irrigation to make measurements of the flow of the various streams of the state and keep a record of the same, the amount of water available for new projects may be ascertained. A simple and inexpensive method is provided for securing rights to the use of water for any beneficial purpose, and a complete system for distributing the water in accordance with the rights of the appropriators.

There are a few points, however, which might be improved upon. The law gives the State Board of Irrigation authority to limit the time in which the irrigation works must be completed, and the application of water made to the beneficial use indicated, but it does not specifically state that the board has authority to extend time for completion where good reasons are given for such an extension. The policy of the department has been to grant such extensions wherever good reasons were shown for granting the same, upon the theory that the board, having the authority to fix the time in the first place, would have authority to extend the same. The Wyoming law covers this point definitely, and I believe that our law should be amended to clearly give this authority to the State Board of Irrigation.

Our law makes no distinction between reservoir rights and the rights of those taking water direct from the stream during the irrigating season, and our law does not definitely state what constitutes the irrigating season. The only limitation on the quantity of water to be diverted is that no more than one-seventieth of one cubic foot per second may be appropriated for each acre of land. On this basis, the appropriator of water for storage would seem to be entitled to an amount for each acre equal to one-seventieth of a cubic foot per second flowing continuously through the irrigating season. This would give an amount of water much in excess of that needed under ordinary circumstances, the only other limitation being the one that no appropriator is entitled to more than he can beneficially use.

I believe that the law relating to the construction of reservoirs and the storage of water should be amended, making the unit of measurement the acre foot and defining the maximum number of acre feet allowed for each acre of land.

Our law provides also that every application for a permit to appropriate water must describe specifically the land which it is proposed to irrigate. In many cases where water is to be stored, it is very difficult to describe these lands when the first filing is made for the reservoir permit.

The Wyoming law, which provides for a primary permit covering the construction of a reservoir and a secondary permit indicating the lands upon which the water is to be used, seems to be a good provision. Under our law, the applicant for a permit to appropriate water must in his application describe fully the lands which he intends to irrigate, and within six months after the allowance of the application for a permit, a map must be filed on a scale of not less than two inches to the mile, showing the location and the course of the distributing works, the source from which the appropriation is taken, and the legal sub-divisions of the land upon which the water appropriated is to be applied. This section should be amended so as to provide that these maps should be made in a uniform manner, in accordance with the rules laid down by the Secretary of the State Board of Irrigation, and that all such maps should have a certificate made by some competent engineer or surveyor certifying to the accuracy of the same.

As the matter now stands, the applicant generally attempts to make his own maps, and in the majority of cases, these maps are inaccurate and do not give sufficient data upon which to base the issuance of a certificate of appropriation.

Our law seems to provide that the water appropriated is attached to the land for which the permit is granted, and that no change may be made in the place of use. There are many cases where it would seem only just that the right to change the place of use should be permitted and I believe it would be well to adopt a provision similar to the one in force in some of the states, which provides that if for any reason it should at any time become impracticable to use all or any part of the water to which the right of use is appurtenant, part or all of the right may be severed from this land and simultaneously transferred and become appurtenant to other lands without losing priority of right, where the change can be made without detriment to existing rights. All such changes, however, should be made only upon permits issued by the State Engineer, after a careful examination of the conditions and the rights of others diverting water from the stream.

DISTRICT IRRIGATION LAW.

Our district irrigation law, which was copied largely from the Wright law of California, is designed to enable users of water to own and control the irrigation works supplying their lands, and provides for the election of the Board of Directors who have the power to construct and operate canals and to issue bonds for the payment of all construction work and to levy an annual tax for the payment of operating expenses and to pay interest on the bonds and form a sinking fund for the final payment of the bonds themselves.

The district irrigation law provides a very satisfactory method for the development of the district, and in most cases the formation of these districts has proven quite satisfactory. Each land owner being directly interested in the conduct of the affairs of the district, all parties are inclined to work together for the best interests of the district.

There are a number of amendments, however, which I believe should be made to this law. At present, whenever a majority of the electors holding land in any district subject to one mode of irrigation desire to do so, they may propose the organization of an irrigation district, and must file with the Board of County Commissioners a petition signed by the majority of these directors. This petition must show the boundaries of the proposed district. I believe that after this petition is filed with the Board of County Commissioners, a copy should be filed with the Secretary of the State Board of Irrigation for the purpose of determining whether the lands included within these boundaries are susceptible of irrigation from the proposed works, whether or not any of them are covered by prior appropriations, and also to report upon the adequacy of the water supply before any further steps are taken toward the organization of the district.

Our law provides that Board of Directors of any district must as soon after such district has been organized as may be practicable, establish and determine the amount of money to be raised, and shall immediately call an election to vote upon a bond proposition. I believe that before this question of voting bonds is submitted to the electors, an estimate of the probable cost of construction should be made by a competent engineer, and filed with the Board of Directors. After the bonds have been voted, the law should require that complete plans and specifications with an estimate of cost be made by a competent engineer and filed with the Board of Directors. A copy of these plans and specifications should be referred to the State Board of Irrigation for its approval. In this way, many costly mistakes might be prevented.

I believe also that the bonds of an irrigation district should be registered with the State Auditor, so that all matters pertaining to the regularity of their issuance, might be passed upon. This would give the bonds a much better standing than they have under the present law.

Every district organized under the provisions of this law, should be required to file in the office of the State Board of Irrigation a complete record of all matters pertaining to its organization, issuance of bonds, etc., and the officers of the district should make annual reports to the State Board of Irrigation showing concisely the management of the affairs of the district, the amount of tax levied and a list of the district officers. Under the present law, many districts are organized of which this office has no knowledge whatever, and while we have attempted to keep a complete list of districts organized, it has been quite impossible to keep up such a list with any degree of accuracy, and this office has no official record of the boundaries of an irrigation district, the amount of bonds issued, or anything pertaining to district organization. Many inquiries are made to this office in regard to these districts, and I believe that a complete record should be on file.

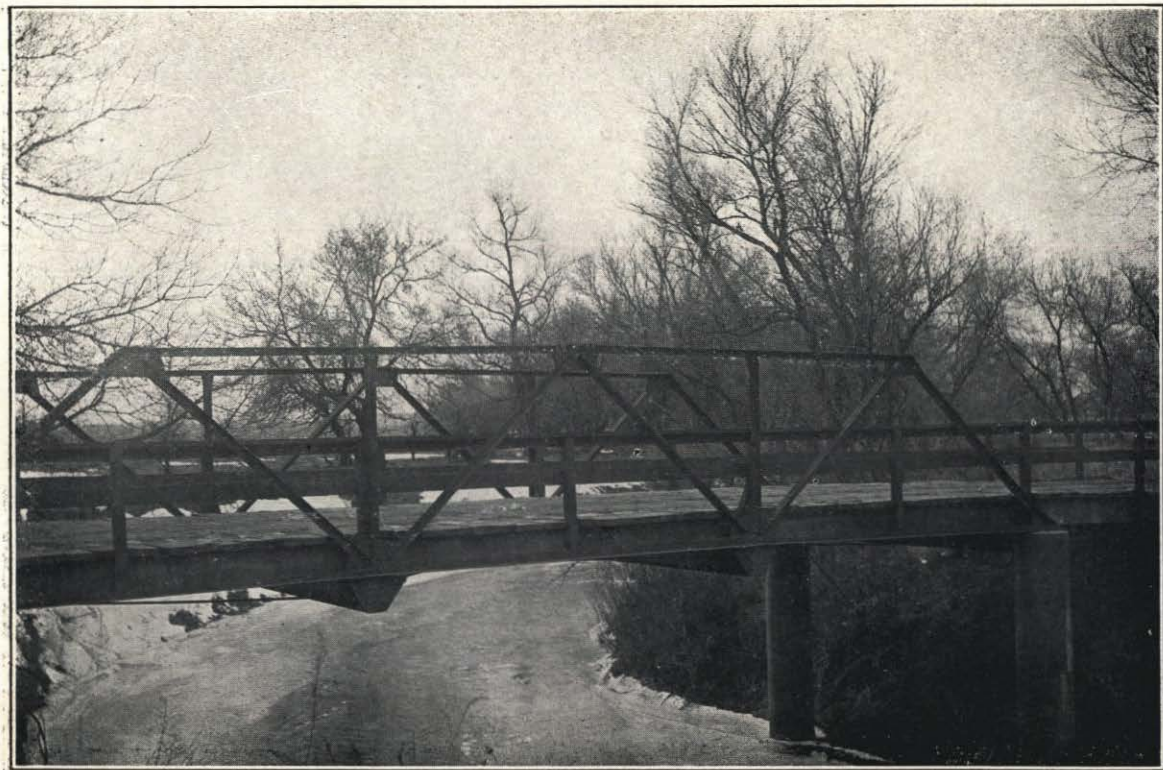
COOPERATION WITH U. S. GOVERNMENT.

I would recommend that the cooperative work with the Water

Resources of the United States Geological Survey in the measurement of streams be continued along the present lines, if the same arrangements can be made with the Water Resources Branch. The results obtained from this work are very valuable, and the longer period the record covers, the more valuable they become. Under our present arrangements, we are enabled to do a very large amount of work at a small expense to the State.

I believe that the State could well afford to make a small appropriation for cooperation with the United States Geological Survey, a like amount to be appropriated by them for the purpose of making topographic surveys within the State. A portion of the State has already been mapped, and these maps have been of great value to the State. The policy of the U. S. Geological Survey seems to have been to use their appropriations in states where an appropriation has been made for cooperative work. In the year 1908, appropriations were made by Maine, New York, Pennsylvania, Maryland, West Virginia, North Carolina, Virginia, Mississippi, Illinois, Iowa, Michigan, Missouri, Kentucky, Ohio, California and Oregon. These states have appropriated a total of \$100,000.

A great many inquiries come to this department in regard to drainage districts. I believe that the public would be benefited by having a record of the drainage districts kept in this office. Such a record would be valuable to investors in the drainage district bonds and also to other localities proposing to organize drainage districts. In many places, these districts will contain within their boundaries, land in different counties, and a central office of record would be valuable. In addition to this record, the State Engineer's office might be able to furnish recommendations and advice to other localities where the organization of drainage districts was contemplated.



40 FT. SPAN, COLFAX CO.

State Engineers Office 1908.

DRAINAGE INVESTIGATIONS AT LEXINGTON, NEBRASKA.**Report for the Years 1907 and 1908.**

The inauguration of the drainage experiment at Lexington, in 1905, by Irrigation and Drainage Investigations, of the U. S. Department of Agriculture, in cooperation with the State, is described in the report of the State Board of Irrigation of Nebraska, for 1905 and 1906. Experimental work was continued on this tract during the seasons of 1907 and 1908, by drainage investigations without the assistance of the State. A report of the conduct of the work during those seasons and of the results obtained is herewith submitted.

Previous to the construction of the drains in the fall of 1905, as described in the above named report, Mr. A. T. Sweet, of the Bureau of Soils, U. S. Department of Agriculture, made a report to the Office of Experiment Stations, of the U. S. Department of Agriculture, upon the condition of the soil with reference to its alkali content. The report states that water was reached at a depth of from 3 to 15 inches in all parts of the tract, and that the water beneath the surface showed 110 parts of soluble salt per 100,000, while that standing in pools upon the surface contained as much as 200 parts of soluble salts per 100,000, a part of which salts appeared to be black alkali. It may be observed in connection with this statement, that water containing this amount of alkali is considered injurious to plants when applied in irrigation, and indicates in this case a soil highly charged with injurious salts. With reference to the alkali content of the soil the report states that the surface foot showed about .4 per cent of alkali, while the analysis of sample showed the salt content of the surface-12-inches to be .2 per cent in one location, and .4 per cent in another. Commenting upon this paragraph of the report, it may be said that from .1 to .2 per cent of alkali in soil is usually regarded as the limit at which plants will thrive. The chemical examinations, as well as the heavy sward of salt grass, covering the land, showed quite clearly that the land was too strongly alkaline to be of use for farming.

As stated in the report of 1905 and 1906, 10 acres of land were plowed and seeded to sorghum, in 1906, and later in the same season about 7 acres were broken and sowed to wheat. The sorghum failed to germinate because it was sown late and the ground became dry. The wheat and rye made a fair showing in the fall, but as hereafter noted, produced but little grain at the harvest in 1907.

In the spring of 1907, Mr. D. G. Miller, of Drainage Investigations, took local direction of the work. The ground which was planted to sorghum the previous year, was well plowed and disked, and on May 15, as soon as water could be obtained from the ditches of the Farmers and Merchants Irrigation Co., the land was flooded twelve days for the purpose of removing alkali. As soon as the land

became dry it was again disked and 4½ acres planted to sugar beets, by Anton Kokenis, to whom that part of the field was leased.

When the ground was flooded it was observed that the impervious character of the soil prevented the ready percolation of the water into the drains, especially where there were surface depressions. The soil under wet conditions appears black and waxy in these places and the continued saturation to which the soil was subjected, did not better its condition but rather made it worse. Notwithstanding these conditions, a considerable flow of water passed out of the drains, its color indicating that it was highly charged with alkali. A part of the water was removed by the few surface ditches which were provided, apparently producing a better and more immediate result than where the water was retained on the soil and permitted to pass off through the under drains only.

The beets were not planted until the latter part of June. The growth of the crop was luxuriant after the plants were well started, but a part of the ground was so strongly alkaline as to prevent the germination of the seed. Twenty-five tons of beets were gathered from 2½ acres, only about one-half of the ground planted producing a crop. The wheat and rye occupying the balance of the plowed ground made but a small showing and may be regarded as a failure. The condition of the ground was materially improved in consequence of the cultivation given and perhaps one-half of the plowed land was sufficiently free from alkali to permit the growth of a crop. Observations during the year lead to the conclusion that the land contained a much higher per cent of alkali which is injurious to crops than was at first suspected and that the carbonates or black alkali was present with the sulphates or white alkali in very liberal amounts, and further that surface water used in large quantities failed to pass through the soil with sufficient quickness even near the drains to accomplish the work of removing the alkali from the soil. It should be noted in this connection that the outlet drain which discharges into the highway ditch was submerged to a depth of 5 or 6 inches during the time when the flooding of the land took place.

The land was leased to the same party for the season of 1908 under contract that it should be given thorough preparation for the crop and be well cultivated. The local inspector, Mr. R. F. Stucky, of Lexington, reports that 33 tons of beets were gathered from the 4 acres planted to that crop, the plants on one-quarter of an acre having been destroyed by alkali. The wheat which was sown, made no crop. The management of the land during the season was only ordinary and such as might be expected under the tenant system. No special efforts were taken by the lessee to correct the alkali conditions of the soil.

The status and results of this experiment are about as follows: The object was to ascertain to what extent underdrains would reclaim or benefit the lands in that section of the Platte Valley which

had been rendered unproductive, first, by over-irrigation, followed by three years of large rainfall, and, second, by soil alkali which the unusual wet conditions had brought to the surface. As noted before the alkali conditions were marked and serious. There were no drains of any kind in that level area sufficient to remove surface-water, much less to furnish an outlet for an underdrainage system. The county commissioners constructed a ditch three-quarters of a mile long to furnish an outlet for the drains upon the experimental tract. It was early seen by the Office having in charge the investigations that whatever might be the outcome of the experiment, no practical use could be made of the results until a system of ditches should be constructed along the courses of natural drainage, and along the highways to intercept seepage and flood water and furnish adequate outlets for such farm drainage as should prove necessary. A representation of this state of affairs was made to a number of the citizens of Lexington, in 1906, and in response to a petition filed by them in the Office of Experiment Stations, a survey of an area of 12,000 acres, which included the town of Lexington, was made in 1907 and plans have been prepared for the main drainage of the entire tract. This report with estimates of the cost of the work recommended, will soon be submitted to the petitioners for their consideration.

Experimental work conducted in this field shows—

First, that the land which is injured by alkali in the vicinity of Lexington, is in a more serious condition with respect to its use for farming than is usually represented, that the carbonates or black alkali as well as the sulphates or white alkali are present in the soil in harmful quantities, and that the quantity of these salts is increasing each year.

Second, underdrains benefit such lands by removing surplus soil water making the land more workable and also slowly remove injurious salts that may be contained in the soil, but such drains seem insufficient to care for the water which is used in the special flooding treatment required for the removal of surplus alkali.

Third, the condition of this land is such as to require special treatment for the removal of alkali which is gathered on or near the surface. This treatment should consist of a liberal application of water either by irrigation or by rainfall, and the removal of the water be accomplished by means of open ditches or be conducted into tile drains direct by means of surface inlets.

Fourth, owing to the close texture of the soil, flat ridging should be used in connection with tile drains, the drains to be placed in the line of furrows resulting from such ridging and discharged into convenient open ditches.

Fifth, crops especially sugar beets which require continuous cultivation during the growing season are best suited to these lands during the time of their special treatment for the removal of alkali.

Sixth, observations upon the action of the underdrains during

the three years covered by the experiment show that they controlled the height of the soil water and that in general moisture conditions were satisfactory. The drains were placed at distances of 100 to 200 feet apart, some of them passing through the small depressions and ponds and others passing near them. Observations upon their effect lead to the following conclusions: Drains should, in all cases, pass through the depressions since the soil in them is less permeable to water than the surrounding land. In some cases the drains should have surface inlets consisting of pits filled with brickbats or gravel to admit the water from the surface more readily. The distance between the drains in ordinary level land of this character need not be less than 100 feet provided some drain or spur passes through every surface depression.

Seventh, a general system of open ditches made about 4 feet deep is the first essential to the reclamation of this land and are necessary for the construction and maintenance of public highways. With adequate open ditches to receive and convey away farm and road drainage these lands can be put in condition for general farming purposes, provided judicious flooding to remove alkali and thorough cultivation be practiced.

Respectfully submitted,

C. G. ELLIOTT

Chief of Drainage Investigation.