

REPORT  
OF  
State Board of Irrigation  
OF  
NEBRASKA  
1905-06  

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DOBSON



SITE OF PATHFINDER DAM ON NORTH PLATTE RIVER.

SIXTH BIENNIAL REPORT

OF THE

STATE ENGINEER

SECRETARY

OF THE

STATE BOARD OF IRRIGATION

TO THE

GOVERNOR OF NEBRASKA

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1905-1906

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HAMMOND PRINTING COMPANY,  
Fremont, Nebraska.

LINCOLN, NEBR., November 30, 1906

*To His Excellency, John H. Mickey, 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 1905 and 1906.

Yours very respectfully,

ADNA DOBSON,

*State Engineer, Secretary.*

# LIST OF OFFICERS IN CHARGE OF PUBLIC WATERS IN NEBRASKA.

## STATE BOARD OF IRRIGATION.

JOHN H. MICKEY, Governor.

NORRIS BROWN, Attorney General.

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

## ADMINISTRATIVE OFFICERS.

JOHN H. MICKEY, Governor.

ADNA DOBSON, State Engineer, Secretary.

GEO. W. BATES, Assistant Secretary.

ARTHUR R. WILSON, 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.

I. A. YOUNG, Water District No. 3, Water Division No. 1-A.

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

ROBERT BUSCH, Water District No. 1, Water Division No. 1-B.

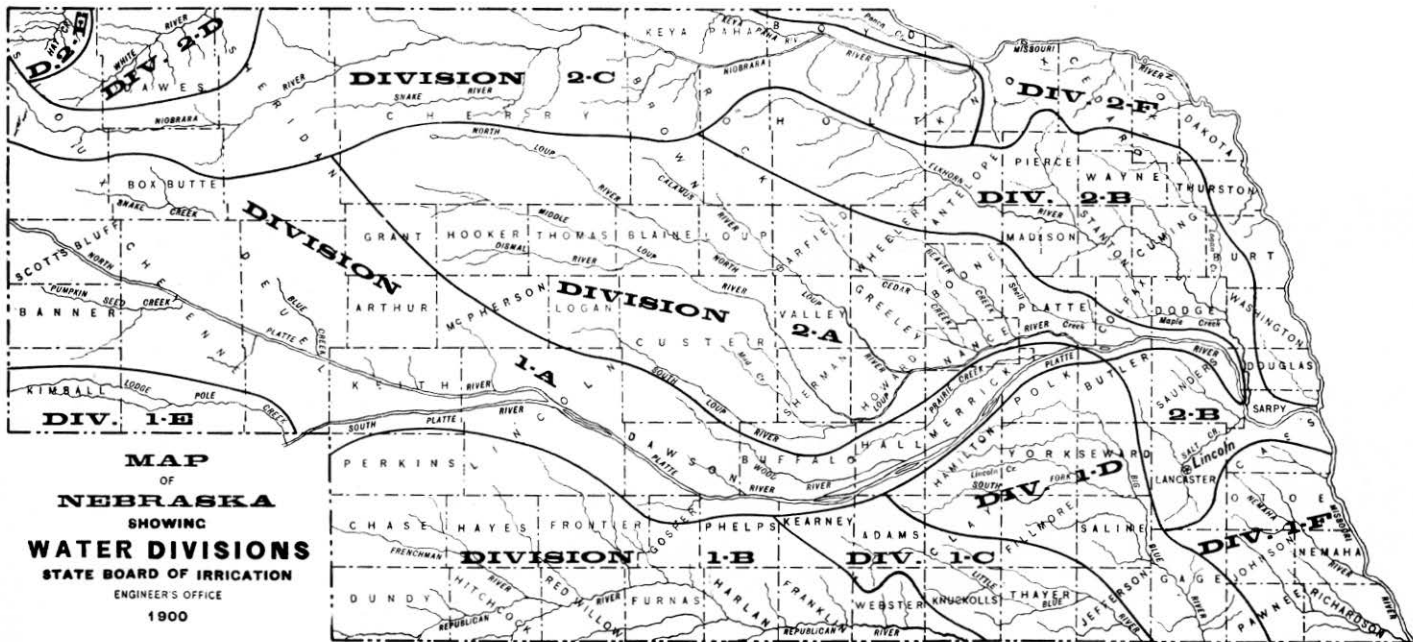
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MAP  
OF  
**NEBRASKA**  
SHOWING  
**WATER DIVISIONS**  
STATE BOARD OF IRRIGATION  
ENGINEER'S OFFICE  
1900



## WATER DIVISIONS AND WATER DISTRICTS.

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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 and 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 Pumpkin Seed, Lawrence and Greenwoods 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.

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## REVIEW OF WORK OF STATE BOARD OF IRRIGATION.

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The fifth biennial report of the secretary shows that on November 30, 1904, there were twenty claims for water, thirty applications for a permit to appropriate water and one petition for a permit to change location of

headgate pending. During the time between November 30, 1904, and November 30, 1906, there has been filed one claim for water, sixty-nine applications for a permit to appropriate water, five petitions for permit to change location of headgate, eleven petitions for extension of time in which to complete works, 107 proofs of appropriation of water, 126 maps showing irrigation works and four plans of proposed dams. There has been also filed one appeal from the action of the State Board of Irrigation. During this same period, one claim has been allowed and two dismissed. Fifty-five applications for a permit have been approved, eighteen dismissed and seven returned for correction. Fifty-nine certificates of appropriation have been issued. One hundred forty-five permits have been canceled for the reason that the works have not been completed and the water applied within the time allowed for completion. Six applications for a permit to re-locate headgate have been allowed and none dismissed. One motion for rehearing before the Board has been filed and one dismissed. Six petitions for extension of time in which to complete works have been approved and four dismissed. Hearings were held before the State Board of Irrigation at Lincoln, Nebraska, on February 14, 1905, and before the Secretary at Bridgeport, Nebraska, on September 12, 1905, and on October 4, 1905. There has been one appeal from the action of the State Board of Irrigation to the courts.

There now remains in this office pending action eighteen claims twenty applications for a permit to appropriate water, six petitions for extension of time in which to complete works.

A table is filed herewith giving a detailed description of each application allowed or dismissed. There is also a table giving a complete list of all rights acquired and applications or claims pending, arranged in their order of priority on the different streams.

During the past two years, gauging stations have been maintained at the following places:

On the Platte river at Lexington; on the North Platte river at North Platte, Bridgeport and Mitchell; on the Republican river at Bostwick and Benkelman; on the Niobrara river at Valentine; on the Loup river at Columbus; on the Platte river at Columbus; and on the South Fork of the Republican river at Benkelman.

This work has been carried on in co-operation with the United States Geological Survey, and a large part of the expense has been borne by the United States Geological Survey. Gaugings have been made at these stations at frequent intervals, and observers have been employed to read the gauge height daily or oftener. From these observations the daily discharge of the stream may be calculated.

The table filed herewith shows the maximum, minimum and mean discharge and the total discharge in acre feet at these stations, and at other stations which have been maintained at different places in this state. A large number of stream measurements have been made at other points, and these will be found in a table showing the stream measurements at points other than regular stations. In this table the streams are arranged alphabetically, and all of the measurements of the stream of which we have a record are noted.



HIGHWAY BRIDGE MADISON COUNTY.  
STATE ENGINEER'S OFFICE, 1906.

During the past two years an effort has been made to secure proofs of appropriation covering all permits to appropriate issued since the passage of the Irrigation Law of 1895, and this work has been completed in several water divisions, and certificates have been issued to each appropriator where it is shown that the law has been complied with, and the water beneficially used. In each case where the work has not been completed according to law, the permits have been canceled. There is a large amount of work still to be done along this line, but we hope to get it completed during the winter. Maps have been prepared to accompany this report, which will show the location of all canals diverting water from the North Platte river and its tributaries in Scotts Bluff and Cheyenne counties. There has been a great deal of call for maps of this territory on account of the large amount of construction in this district during the past two years.

The under secretaries have encountered very little trouble during the past two years in distributing the water in accordance with the rights of various appropriators. On a few of the smaller streams, complaints have been filed, and in each case, the secretary has been able to settle the matter without serious trouble.

The reports of the under secretaries included herein will show this work more in detail.

We have endeavored to enforce the construction of proper headgates and measuring flumes or wiers at the points of diversion of the different canals, especially on streams where there might be a shortage of water. Considerable work has been accomplished in this direction, but much still remains to be done. A large portion of the controversies arising over the use of water are easily settled as soon as the measuring devices are installed, and the appropriators are able to determine the amount of water each one is receiving.

The last legislature made an appropriation of \$5,000 to be used in connection with a like amount appropriated by the United States Government to be expended by the Department of Agriculture in making irrigation and drainage investigations, and the plans of this work have been approved by the State Board of Irrigation. This work has been entirely in charge of the agents of the Department of Agriculture. Elsewhere in this report will be found a summary of this work prepared by Professor O. V. P. Stout, who has been in charge of this work as special agent of the Department of Agriculture.

The last legislature passed a bill requiring the secretary of the State Board of Irrigation, whenever requested to do so by the county board of any county, to prepare plans and specifications, strain sheets and estimates of cost of any bridges which the county proposes to build. This has added a large amount of work to this office. The sum of \$3,000 was appropriated by the legislature to defray the expense of extra help in preparing these plans, as will be seen by the financial report following: a large amount of this appropriation remains unexpended. This is largely due to the fact that a great portion of the work has been done by regular employes of the office.

A set of standard plans has been prepared covering nearly all of the styles of bridges which may be requested. Very few of the counties have taken advantage of this law, and for this reason, the fees derived from this source have not been as large as was expected. It is believed, however, that more counties will take advantage of this act in the future, and the amount of fees will be increased.

The following financial statement shows the amount of money remaining in the various funds on November 30, 1904, the amount drawn from each fund, and the balance remaining unexpended, the appropriation for the biennium beginning the first Wednesday in April, 1904, the amount drawn from each of these funds to November 30, 1906, and the balance remaining in each fund. The Statement also shows the amount of fees received during the biennium, and the amount paid to the state treasurer:

FUND	Balance Nov. 30, 1904	Drawn from Bal. of Nov. 30, 1904	Balance un- used	Appropri- ation of 1905	Expended April 1, 1905 to Nov. 30, 1906.	Balance Nov. 30, 1906.
Secretary.....	\$500 00	\$500 00	.....	\$4000 00	\$3000 00	\$1000 00
Assist. Secretary	400 00	400 00	.....	2400 00	2000 00	400 00
Under Secretaries	346 90	319 70	\$ 27 20	3200 00	1945 85	1250 15
Stenographer....	280 00	280 00	.....	1680 00	1400 00	280 00
Expenses.....	429 17	407 06	22 11	2800 00	2800 00	862 83
Extra assistance on bridge plans				3000 00	650 00	2350 00
Fees.....	Collect'd 561 45	Paid Treas'r 561 45	On hand			

The following is a list of applications for permit to appropriate water and permits which have been acted upon from November 30, 1904, to November 30, 1906:



HIGHWAY BRIDGE, MADISON COUNTY.  
STATE ENGINEER'S OFFICE, 1906.

APPLICATIONS APPROVED  
November 30, 1904, to November 30, 1906

Div. No.	STREAM	APPLICANT	USE	Second feet granted	LOCATION OF HEADGATE			DATE OF PRIORITY			Application No.
					S.	T.	R.	M.	D.	Y.	
2-E.	Antelope creek .....	Gayhart, M. J. ....	Irrigation	2 43	16	34	55	June	18	1904	760
2-C.	Antelope creek .....	Julian, A. R. ....	"	.36	21	32	40	June	29	1905	798
2-B.	Battle creek .....	Sanders, J. E. ....	Power....	20	36	24	3	Apr.	20	1906	818
2-A.	Barton creek .....	Lewis, George A .....	Irrigation	3	6	24	19	July	20	1904	764
2-E.	Boggy creek .....	Wickersham, Howard .....	"	.06	36	33	55	Apr.	25	1906	821
2-E.	" .....	" .....	"	.85	7	32	54	May	7	1906	822
2-E.	" .....	" .....	"	2 14	7	32	54	May	7	1906	823
2-D.	Bordeaux creek .....	Collins, Jacob .....	"	.86	14	32	48	Feb.	27	1905	780
2-D.	" .....	Good, James W. ....	"	.7	29	33	47	Mar.	6	1905	783
2-D.	Dry creek .....	Pilster, John A. ....	"	5 71	9	33	51	Dec.	9	1904	776
2-A.	" .....	Fisher, Conrad .....	"	4 28	24	23	17	Dec.	27	1905	807
2-E.	Dry gulch .....	Konrath, Joseph .....	"	1 43	17	34	54	Dec.	28	1905	808
2-D.	English creek .....	McDowell, Edwin C. ....	"	3	12	31	52	Oct.	24	1904	772
1-B.	Frenchman river .....	Jordon, Thomas T. ....	"	.10	21	6	39	July	3	1905	800
1-A.	Harper's spring Br... ..	Harper, J. W. ....	"	2	1	18	52	June	16	1902	674
2-D.	Hooker creek .....	Alcorn, John .....	"	1 21	31	32	51	Nov.	17	1905	803
1-A.	Huntington springs... ..	Cord, Fred .....	"	1 43	9	20	58	Dec.	23	1904	778
1-A.	Lake creek .....	Lute, H. D. ....	"	8 57	14	14	36	Nov.	24	1905	805
1-A.	Lawrence fork .....	Niehus, Henry .....	"	1	11	18	52	Mar.	23	1900	550
1-A.	" .....	Harper, J. W. ....	"	1 43	11	18	52	May	27	1902	669
1-A.	" .....	" .....	"	.57	11	18	52	May	27	1902	670
1-E.	Lodge Pole creek .....	Forsling, Alfred .....	"	.86	34	15	57	Dec.	6	1905	806

APPLICATIONS APPROVED—Continued  
November 30, 1904 to November 30, 1906

Div. No.	STREAM	APPLICANT	USE	Second feet granted	LOCATION OF HEADGATE			DATE OF PRIORITY			Application No.
					S.	T.	R.	M.	D.	Y.	
2-D.	Lone Tree creek, S. Fk.	Thomas, John C. ....	Irrigation	1	28	34	51	Apr.	29	1905	780
2-C.	Long Pine creek	Kyner, S. H. ....	Power	45	30	30	20	Apr.	19	1906	817
2-A.	Loup river	Nebraska Central Irri. Co.	Pow. & Ir.	2700	27	17	4	June	10	1903	709
2-D.	Madden creek	Flannigan, Frank	Irrigation	.57	26	35	49	July	11	1904	763
2-D.	"	Flannigan, Owen R.	"	.57	31	35	48	Oct.	17	1904	771
2-A.	Middle Loup river	Dierks, John	Power	1000	35	18	17	Nov.	11	1904	774
2-C.	Niobrara river	Potsmesil Brothers	Irrigation	6	26	29	48	May	19	1904	757
2-C.	"	Taylor, D. T.	"	4.70	28	29	47	Aug.	8	1904	766
2-C.	"	Kay, John L.	"	2	6	28	53	May	12	1901	791
2-C.	"	Peters, Herman A.	"	4.28	20	29	46	July	3	1905	793
2-C.	"	"	"	4.28	20	29	46	June	28	1905	794
1-A.	North Platte river	Sec'y Interior, U. S. A.	Irri. etc.	.....	19	29	83	Sept.	19	1904	768
1-A.	"	Path'r Elec. & W. Pwr. Co.	Power	200	20	22	55	Dec.	16	1904	777
1-A.	Otter creek	Howell, Mary A. B.	Irrigation	20	5	15	40	Jan.	23	1906	812
1-A.	Owl creek	Kellums, John H.	"	1.14	12	22	58	Oct.	10	1904	770
2-C.	Pepper creek	Taylor, D. T.	"	4.70	28	29	47	Aug.	8	1904	766
2-E.	Plum creek	Ruffing, Michael	"	.14	33	33	54	Mar.	11	1905	784
2-C.	Pole creek	Julian, A. R.	"	.57	28	32	40	June	29	1905	799
1-A.	Pumpkin Seed creek	Johnson, Theodore	"	2.28	2	19	55	Apr.	20	1906	819
1-B.	Red Willow creek	Clarke, A. R.	"	14.28	31	4	28	Feb.	27	1905	781
1-B.	Republican river	Bixler, Hiram K.	Power	8	24	3	29	Mar.	21	1905	785



APPLICATIONS APPROVED—Continued

November 30, 1904, to November 30, 1906

Div. No.	STREAM	APPLICANT	USE	Second feet granted	LOCATION OF HEADGATE			DATE OF PRIORITY			Application No.
					S.	T.	R.	M.	D.	Y.	
2-D.	Sand creek.....	Carlson & Rasmussen.....	Irrigation	30	32	33	52	Sept	12	1904	767
2-D.	" "	Arner, Jess and Harry.....	"	2.57	26	33	53	Jan.	12	1905	779
2-D.	" "	Rasmussen, Kristine.....	"	17.51	3	32	52	Jan.	8	1906	811
2-D.	Soldier creek.....	Swanson, George.....	"	1.43	4	31	53	Mar.	25	1905	786
2-A.	South Loup river.....	Loup Valley Electric Co.....	Power....	90	3	16	24	Aug.	1	1904	765
1-A.	South Platte river	Abraham, V. S.....	Irrigation	7.14	1	13	38	Mar.	2	1905	782
1 A.	" "	Brown, William.....	"	4.86	28	13	41	Jan.	4	1906	810
2-D.	Spring creek.....	Spearmen, Cyrus K.....	"	5	13	32	52	Apr.	7	1905	788
1-B.	Springs.....	Fringle, George N.....	"	1.57	14	1	39	May	11	1906	824
2-E.	Stony draw.....	Raben, Peter P.....	"	.43	22	34	54	Nov.	24	1905	804
2-D.	White Clay creek.....	Thornton, H. A.....	"	1.14	24	31	52	Oct.	24	1904	753
2-D.	White river.....	Wright Brothers.....	"	4	16	32	51	Dec.	5	1904	775
2-D.	" "	Schwabe, August.....	"	.28	24	34	49	Mar.	19	1906	815

APPLICATIONS DISMISSED.

November 30, 1904, to November 30, 1906.

DIV. NO.	STREAM	NAME OF APPLICANT	LOCATION OF HEADGATE			APPLI- CATION NO.
			S.	T.	R.	
2-D	Buffalo creek	Wright, Carl C.	4	13	10 E	700
1-A	Deep Hole creek	Atkins, A. W.	34	19	49	809
2-B	Elkhorn river	Wright, Carl C.	4	13	10 E	700
1-A	Lawrence fork	Bickett, Thomas	11	18	52	553
1-E	Lodge Pole creek	Snyder, W. F.	31	15	57	738
1-E	" " "	Emanuelson, Robert	32	14	46	750
1-E	" " "	Ruttner, Karl	30	14	47	792
1-E	" " "	Neuman, Henry R.	31	14	47	797
1-A	North Platte river	Stewart, H. G.	3	23	58	596
1-A	" " "	Schmidt, Wenzel	8	18	47	761
1-A	" " "	Hunt, R. S.	20	22	55	762
1-A	" " "	Leavitt, Heyward G.	3	23	58	769
2-B	Platte river	Wright, Carl C.	4	13	10 E	700
1-B	Republican river	Baldwin, William Wagner, Jno.	20	3	31	752
1-B	" " "	Byfield, William	23	3	29	813
1-A	South Platte river	Stafford, Wilbur F.	28	18	41	741
1-A	Spring creek	Sanders, L. T.	36	23	56	580
1-A	Springs	Shumway, G. L.	23	22	55	790

APPLICATIONS CANCELLED.  
November 30, 1904, to November 30, 1906.

DIV. NO.	STREAM	NAME OF APPLICANT	LOCATION OF HEADGATE			APPLICA- TION NO.
			S.	T.	R.	
2-C	Antelope creek	Julian, A. R.	20	32	40	119
2-C	Ash creek	Spragg, C.	10	31	17	233
2-C	Beaver creek	Hughes, F.	18	33	15	124
2-D	"	Novak, Francis.	9	33	46	331
2-A	Beaver river	Long, C. W.	14	17	4	276
2-A	"	Rice, H.	22	20	6	640
2-C	Benner creek	Gillespie, B. S.	31	33	11	213
2-C	"	Benedict, Edmond H.	32	33	11	320
2-C	Big Cedar creek	Bruce, Andrew	33	24	25	508
2-C	Big Sandy creek	Morrow, J. C.	10	31	15	61
2-C	"	Wheeler, Theo.	3	31	15	315
2-C	Blackbird creek	Bradt, Ella	26	30	11	195
2-C	"	Roberts, E. F.	29	31	11	318
2-C	Boardman creek	Beekley, Samuel	13	30	31	398
2-C	"	Ganow, J. M. & Sons	19	30	31	503
2-C	"	McAndrew, W. D.	27	30	22	121
2-C	Bone creek	Streuger, Theo.	16	31	21	221
2-C	"	Roneche, Peter	27	27	29	67
2-A	Brush creek	Johnson, V. J.	26	32	14	272
2-C	Brush creek, west branch	Moore, E. A.	26	2	41	170
1-B	Buffalo creek	"	26	2	41	171
1-B	"	"	5	34	19	150
2-C	Burton creek	Crampton, C. T.	8	34	19	239
2-C	"	Wiley, James	16	23	18	202
2-A	Calamus river	Hunter, William	16	23	18	226
2-A	"	Shoemaker, A. E.	1	25	27	286
2-A	Calf creek	Cady, William E.	1	16	6	625
2-A	Cedar creek	Gates, C. A.	10			

APPLICATIONS CANCELLED.—Continued.  
November 30, 1904, to November 30, 1906.

DIV. NO.	STREAM	NAME OF APPLICANT	LOCATION OF HEADGATE			APPLICA- TION NO.
			S.	T.	R.	
2-C	Cedar gulch	Taft, Robert	14	32	16	372
1-B	Center creek	Bishop, D. L., et al.	22	2	15	196
1-B	"	Barber, F. W.	1	1	15	285
1-B	"	Bishop, D. L.	15	2	15	590
2-B	Cache creek	Trommershauser, John A.	30	26	9	450
2-C	Cottonwood creek	Vifquain, E. F.	21	35	22	293
2-C	"	Fenner, B. L.	22	29	48	578
2-A	Cow creek	Erler, J.	18	26	27	175
2-C	Cypriot creek	Cypriot, F. A.	3	34	19	295
1-B	Driftwood creek	Stock, F. A.	33	2	31	388
1-B	"	Wasson, C. A.	12	2	30	431
2-B	Dry creek	Carlton, Thomas	18	28	11	33
2-D	"	Antram, John	1	33	52	155
2-B	"	Benedict, E. H.	18	28	11	225
2-C	Eagle creek, south fork	Mann, John	17	30	13	37
2-C	Eagle creek, north branch	Tesch, Fred.	27	31	13	162
2-C	Eagle creek, branch	Breeder, James	19	30	13	227
2-B	Elkhorn river	Leisy, Henry	5	23	4 E	77
2-B	Elkhorn river, south fork	Smith, G. F.	10	26	9	222
1-B	Fox creek	Phoenix Insurance Co.	29	9	28	234
1-B	Frenchman river	Cunningham, A.	31	6	38	13
1-B	"	Dissmore, Geo. A.	8	4	33	47
1-B	"	McAuliffe, John	4	5	37	59
1-B	"	Locker, James H.	24	5	35	93
1-B	"	McGillan, W. J.	6	5	37	131
1-B	"	Grant, John S.	1	5	38	154
1-B	"	Farmers' Canal Company	11	3	32	362

APPLICATIONS CANCELLED.—Continued.  
November 30, 1904, to November 30, 1906.

DIV. NO.	STREAM	NAME OF APPLICANT	LOCATION OF HEADGATE			APPLICA- TION NO.
			S.	T.	R.	
2-C	Gordon creek	Beer, George	2	31	29	497
2-C	"	Beer, George	1	31	29	498
2-E	Hat creek	Antrim, Z. F.	3	32	55	25
2-E	"	Baumgard, A.	30	34	55	569
2-C	Hay creek	Balch, T. C.	11	32	40	110
2-C	Holt creek	Carnahan & Webster	19	35	20	116
2-C	Horseshoe lake	Kortz, Arthur	11	34	40	287
1-B	Indian creek	Chamberlain, J. C.	12	2	37	185
2-E	Jim creek, east branch	Meyers, J. F.	23	33	54	457
2-C	Jordon creek	Thiede, F. L.	34	35	20	395
2-C	"	Lewis, F. A.	23	35	20	514
2-C	Keya Paha river	Lewis, S. O.	19	35	19	127
2-C	"	Donason, J.	53	35	19	166
2-C	"	Anderson, H. D.	3	34	18	167
1-D	Lincoln creek	Smith, Jennie A.	21	12	1	269
1-A	Lake creek	Lute, H. D.	14	14	36	686
1-E	Lodge Pole creek	Couch, A.	20	14	50	89
1-E	"	Wolfe, E. C.	2	12	45	536
1-E	"	Phillips, Orvin C.	31	15	57	721
1-E	"	Leaming, William J.	30	15	55	726
1-E	"	Marshall, Holmes.	26	15	56	733
2-C	Long Pine creek	Kyner, Lizzie M.	31	30	20	728
1-B	Lost creek	Pickard, J.	10	1	15	646
1-B	"	Pickard, J.	10	1	15	673
2-A	Loup river	Harvey, Robert	25	13	12	35
2-A	"	New York Improvement Co	13	15	8	614
2-A	"	Sunderland, W. C.	8	15	8	629

APPLICATIONS CANCELLED.—Continued.  
November 30, 1904, to November 30, 1906.

DIV. NO.	STREAM	NAME OF APPLICANT	LOCATION OF HEADGATE			APPLICA- TION NO.
			S.	T.	R.	
1-B	Methodist creek	Deans, B. A.	2	1	18	601
2-A	Middle Loup river	Grier, Peter	20	24	30	10
2-A	" " "	Kenyon, C. T.	30	13	12	200
2-A	" " "	Grier, Peter	21	24	30	281
2-A	" " "	Sargent Canal Co	12	19	19	412
2-A	" " "	Webster, L. E.	20	19	17	505
2-C	Minnechaduza creek	Bristow, D. S.	35	34	28	87
2-E	Monroe creek	Brumbaugh, S.	22	33	56	112
	" " "	Jordan, Cornelius	13	33	56	693
2-A	Muddy creek	Conley, J. W.	32	17	20	236
2-C	Niobrara river	McGuire, Mary W.	26	33	24	138
2-C	" " "	Rickman & Wentworth	22	32	20	321
2-C	" " "	Vincent, D. C.	10	28	52	344
2-C	" " "	Hough, W. H.	32	30	56	538
2-C	" " "	Brown, J. S.	29	29	47	595
2-C	" " "	Dierix, C.	19	30	43	598
2-C	" " "	Heiner, J. E.	34	33	11	628
2-C	" " "	Kay, J. L.	6	28	53	666
2-A	North Loup river	Roneche, P. S.	15	27	29	18
2-A	" " "	Vandergrift, E. R.	33	27	28	103
2-A	" " "	Edgar, H. R.	27	27	28	105
2-A	" " "	Covey, A. L.	25	19	14	165
2-A	" " "	Body, William	5	25	26	169
2-A	" " "	Keller, G. W., et al.	21	26	27	187
2-A	" " "	Compton Irr. and W. P. Co.	4	25	26	190
2-A	" " "	Edwards, H. B.	27	27	28	253
2-A	" " "	Johns, H. T., et al.	19	21	16	282

APPLICATIONS CANCELLED--Continued  
November 30, 1904, to November 30, 1906

DIV. NO.	STREAM	NAME OF APPLICANT	LOCATION OF HEADGATE			APPLICA- TION NO.
			S.	T.	R.	
2-A	North Loup river	Keller & Company	16	26	27	326
2-A	" " "	Davenport, M. B.	35	17	12	367
2-A	" " "	Dowell, T. E.	15	28	35	386
2-A	" " "	Smith, William	24	21	17	403
2-A	" " "	Bennett, I. I.	9	19	14	637
2-C	No name	Opperman, L. B.	19	32	20	254
1-A	Otter creek	Howell, Robert B.	5	15	40	682
2-C	Plum creek	Hoefs, Gus.	11	30	24	582
2-C	Pole creek	Julian, A. R.	28	32	40	120
2-A	Prairie creek	Stires, J. D.	27	16	5	613
2-C	Red Bird creek	Brennan, James A.	26	30	11	284
1-B	Red Willow lake	Cooper, James.	36	9	33	249
1-B	Republican river	Benedict, Isaac.	19	3	31	43
1-B	" "	Anderson, A., et al.	2	1	37	193
1-B	" "	Nelson, O. F.	19	2	34	241
2-E	Richards' branch	Woodruff, H. S.	7	33	53	52
2-C	Rock creek	Wicker, Samuel.	24	33	22	346
2-C	Rock creek, east branch	Patterson C. C.	31	33	21	347
2-D	Sand creek	Balser & Thomas	3	32	52	531
1-B	Sappa creek	Wheeler, M. E.	13	1	22	399
2 C	Shlagle creek	Ferritt, John.	24	33	28	490
2-A	Shell creek	Hill, James N.	35	18	3 E	156
2-A	" "	" "	36	18	3 E	288
2-B	Silver creek	Swift & Company	7	13	9 E	524
2-A	South Loup river	Holliday, C. T.	25	17	25	62
2-A	" " "	South Loup Irrigation Co.	6	16	24	229
2-E	Sowbelly creek	Burke, J. B.	5	32	55	63

APPLICATIONS CANCELLED.— *Concluded.*  
*November 30, 1904, to November 30, 1906.*

DIV. NO.	STREAM	NAME OF APPLICANT	LOCATION OF HEADGATE			APPLICA- TION NO.
			S.	T.	R.	
1-B ...	Spring creek.....	Hatcher, M. E.....	3	6	36	148
2-C ...	" .....	Townsend, M. M.....	35	34	19	274
2-C ...	" .....	Opperman, Henry.....	29	32	20	310
2-C ...	Spring branch.....	Wheeler, Theodore.....	4	31	15	316
2-C ...	" .....	Wheeler, Theodore.....	34	32	15	317
2-C ...	Spring creek.....	Opperman, L. B.....	19	32	20	369
2-E ...	Squaw creek.....	Hamlin, N. D.....	10	33	57	313
1-B ...	Thompson creek.....	Johnson, Theodore.....	4	2	13	174
1-B ...	Turkey creek .....	Waters, E. H.....	31	4	21	571
2-C ...	" .....	LaRue, Charles.....	35	33	23	622
2-C ...	Verdigris creek, south fork.....	Harvey, Adeline.....	22	28	8	106
2-E ...	Warbonnett creek, north branch.....	Ellis, R. T.....	25	33	57	339





IRRIGATION SCENE IN SOUTH PLATTE VALLEY.

## 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 Claimant	Post-Office Address	Name of Ditch	
Ash creek.....	McCormick, C.....	Lewellen...	McCormick.....	1
"	Vance, Roscoe.....	"	Vance Ditch.....	2
"	Gilliard, George....	"	Gilliard Ditch....	3
Birdwood creek	Eq. Farm & S. Imp. Co.	N. Platte...	Birdwood Canal...	4
"	Eq. Farm & S. Imp. Co.	N. Platte...	W. Side Birdwood Canal.....	5
"	Beauchamp, W. K....	Sutherland.	Beauchamp Canal	6
Birdw'd ck. E. B	McCabe, N.....	N. Platte...	McCabe Ditch.....	7
Blue creek.....	Union Irr. & W. P. Co.	Ramsay....	Union Irr. & W. P. Can.....	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 al	Ramsay....	West Side Ditch...	14
"	Paisley, Ira.....	"	P. Berg. & R. Ditch	15
"	Delatour, S. P.....	Lewellen...	Delatour Ditch....	16
"	Ramsey & Paisley....	"	Paisley Irr. Ditch..	17
Brown's creek .	Haxby, Geo. H.....	Bridgeport.	Hackberry Ditch..	18
Buffalo creek..	Farmers Un. Ditch Co.	Kearney ...	Farmers' Union D.	19
Buffalo ck. W.	Henry, Absalom....	Cozad.....	Henry Canal.....	20
Camp creek....	Stillwell, Wm.....	Lisco.....	Camp Creek Ditch	21
Canyon creek..	McCarthy, Jno. J....	Keystone...	McCarthy Ditch....	22
Cedar creek....	Reason, Paul J.....	Freeport...	Cedar Ditch.....	23
Clear creek ....	Hooper, D. C.....	Ramsay....	Clear Creek Ditch.	24
"	Barber, F. H., Marsh, W. F.....	Lewellen...	Clear Creek Canal.	25
"	Green, Nelson A.....	"	Clear Creek Ditch.	26
"	Green, Nelson A.....	"	Green Ditch.....	27
"	Scott, G. T., Williams, E. C.....	"	Scott & Williams' D.	28
"	Finch, H. M.....	So. Chicago	Finch Ditch.....	29
"	Wilson, Alexander...	Paxton....	Wilson Irr. Canal	30
"	Brogan, Hughey....	"	Brogan Ditch.....	31
"	Schlademan, Louis...	"	Schlademan Irr. C.	32
Cold Water ck.	Ledgewood, W. E., et al	Oskosh....	Cold Water Ditch.	33
Coon creek.....	Winterer, Wm. H....	Keystone...	Coon Creek Ditch..	34
N. Deep Hole ck	McConnell, R. S.....	LaPeer....	Twist Ditch.....	35

## BY STREAMS IN DIVISION 1-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	"	Jan.	16	1894	652	
6	"		3.	15	15	33	"	Sept.	19	1894	677	
7	"		13.	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	"		10.	14	18	43	"	Feb.	20	1899		495
17	"		4.	33	17	42	"	July	14	1899		515
18	"	2.	2.	19	20	48	Cheyenne	July	17	1903		717
19	"			34	9	19	Dawson	Aug.	13	1901		632
20	"		5.	23	11	23	"	July	2	1900		570
21	"		1.43	13	18	49	Cheyenne	Mar.	16	1892	866	
22	"		0.57	29	15	37	Keith	June	12	1895		15
23	"		1.	17	18	53	Banner	Oct.	27	1897		419
24	"		2.86	32	16	41	Keith	July	1	1888	748	
25	"		14.57	29	16	41	"	May	30	1893	754	
26	"		1.14	32	16	41	"	May	30	1893	756	
27	"		1.14	29	16	41	"	June	1	1893	745	
28	"		1.	28	16	41	"	May	18	1894	747	
29	"		1.43	4	15	41	"	June	30	1895	964	
30	"		4.	31	15	34	Lincoln	April	30	1897		384
31	"		0.86	30	15	34	"	Oct.	18	1897		417
32	"		0.29	5	14	34	"	Mar.	29	1898		446
33	"		4.29	26	18	46	Deuel	Sept.	29	1894	796	
34	"		0.71	34	15	37	Keith	July	3	1895		69
35	"		1.43	10	18	49	Cheyenne	July	18	1896		328

\*Pending.

## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Dugout creek, S. W. Lower Spring Ck. trib. to Dugout ck.	Cooper, Eliza A.....	Cmp. Clarke	Cooper Ditch.....	1
	Rice, C. P.....	Lisco.....	Rice Canal.....	2
Dugout creek..	Dolph, Chas. E.....	Irving.....	Dolph Canal.....	3
Fremont creek..	Eq. Farm & S. Imp. Co.	N. Platte..	Fremont Creek D..	4
Fremont slough	Steinhausen, A. P....	" ..	Steinhausen Ditch	5
"	Payne Invest. Co.....	Omaha ..	Payne Canal .....	6
"	Payne Invest. Co.....	" ..	Payne Canal, No. 2	7
Golden creek...	Thies, Michael J.....	Ogalalla..	Theis Ditch.....	8
Greenwood ck..	Coulter, D. M. & H. M.	Lovel'd Col	Coulter Ditch. . . .	9
"	Trinnier, J. E.....	Midway...	Trinnier Canal.....	10
"	Nelson & Trinnier...	" ..	Nelson Canal .....	11
"	Capron, A., Lamb, J..	Midway...	Capron & Lamb D..	12
"	Meglemre, Sarah A..	La Peer...	Meglemre Ditch...	13
Horse creek....	Roberts, Samuel S ...	Morrill....	State Line Ditch...	14
".....	Roberts, Samuel S ...			
	Etchison, A.....	Caldwell..	Etchison & Roberts Ditch.....	15
Horse & Owl cks	Pizer, H. J .....	Mitchell...	Horse Cr. Ditch...	16
Huntington Sps	Cord, Fred .....	Hull.....	Cord Ditch.....	17
Kiowa creek....	Currie, Edwin A. . . .	Mitchell...	Currie Ditch.....	18
"	Kellums, J. H .....	Caldwell..	Kellums Ditch.....	19
"	Lowry, Ellis.....	Mitchell...	Lowry Canal.....	20
Lake creek.....	Lute, H. D.....	Paxton...	Lake Cr Ditch.....	21
Lawrence fork..	Lindberg F.....	Redington..	.....	22
"	Gilman, Byron, Crig- ler, E. S.....	Redington..	Redington Ditch...	23
"	Crigler, E. S.....	"	E. S. Crigler Ditch.	24
"	Harper, John W.....	Higgins...	Spring Branch D..	25
"	Redington, H. V.....	Redington..	H. V. Redington D.	26
"	Doran, Edmond.....	Sidney.....	Doran Canal. ....	27
"	Harper, John W.....	Higgins...	Spring Branch Extension.....	28
"	Crigler, E. S.....	Redington..	Crigler Extension..	29
"	Neihus, Henry.....	"	Neihus Ditch .....	30
"	Harper, J. W.....	Sidney.....	Harper Ditch .....	31
"	" ..	" ..	Bicket Ditch. . . .	32
Lonergan ck..	Soehl, Herman A .....	Omaha.....	Soehl Canal.....	33
"	Jacobs, Lee.....	Ogalalla..	E. Lonergan Ditch.	34
"	Soehl Herman A .....	Omaha.....	Soehl Canal. ....	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.	App. No.
				S.	T.	R.	County	M	D	Y		
1	Irrig.	.....	0.86	4	19	48	Cheyenne ..	Aug.	15	1892	872	....
2	"	.....	1.	4	19	48	" ..	Aug.	15	1898	.....	462
3	"	.....	0.04	4	19	48	" ..	Oct.	30	1899	.....	522
4	"	.....	9.29	15	13	30	Lincoln ....	Jan.	31	1894	686	...
5	"	.....	9.	1	13	32	" .....	Mar.	19	1896	.....	260
6	"	.....	6.	18	13	30	" .....	July	10	1903	.....	715
7	"	.....	3.	18	13	30	" .....	July	10	1903	.....	716
8	"	.....	3.43	25	15	39	Keith ....	Sept.	17	1895	.....	160
9	"	.....	4.	15	18	50	Cheyenne ..	Feb.	3	1890	830	....
10	"	.....	6 29	28	18	50	" ..	April	6	1891	849	....
11	"	.....	3.	33	18	50	" ..	April	1	1892	845	....
12	"	.....	2.	15	18	50	" ..	Jan.	1	1893	890	....
13	"	.....	0.57	10	18	58	" ..	May	6	1896	.....	294
14	"	.....	10.	33	23	58	Scotts Bluff	Sept.	10	1897	.....	407
15	"	.....	9.	34	23	58	" "	Sept.	11	1897	....	408
16	"	.....	0.86	34	23	58	" "	Feb.	29	1904	.....	742
17	"	.....	1.43	9	20	58	" "	Dec.	23	1904	....	778
18	"	.....	9.14	13	21	57	" "	Mar.	23	1892	938	....
19	"	.....	2.43	11	22	58	" "	Oct.	18	1901	.....	641
20	"	.....	1.71	31	22	57	" "	Mar.	25	1904	.....	746
21	"	.....	8.57	14	14	36	Keith .....	Nov.	24	1905	.....	805
22	"	.....	0.50	28	18	52	Cheyenne ..	Dec.	31	1886	825	....
23	"	.....	0.57	36	19	52	" ..	Oct.	9	1889	820	....
24	"	.....	0.57	1	18	52	" ..	Sept.	11	1891	861	....
25	"	.....	1.	11	18	52	" ..	Oct.	23	1891	862	....
26	"	.....	0.50	11	18	52	" ..	May	1	1893	893	....
27	"	.....	1.14	15	18	52	" ..	June	1	1894	850	....
28	"	.....	0 57	1	18	52	" ..	Oct.	13	1898	.....	476
29	"	.....	1 43	1	18	52	" ..	Nov.	25	1898	.....	486
30	"	.....	1.	11	18	52	" ..	Mar.	23	1900	.....	550
31	"	.....	1.43	11	18	52	" ..	May	27	1902	.....	669
32	"	.....	0.57	11	18	52	" ..	May	27	1902	.....	670
33	"	.....	2.	17	15	39	Keith .....	May	10	1889	697a	....
34	"	.....	9.14	17	15	39	" .....	May	25	1889	699	....
35	"	.....	0.86	17	15	39	" .....	April	27	1893	697b	....

\*Pending.

## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Loneragan ck...	Haney, August C. ....	Ogalalla ...	Haney Ditch. ....	1
Lost creek. ....	Fought, Alfred.....	Oshkosh....	Lost Creek Ditch...	2
Mathews creek.	Mathews, Benj. G. ....	Keystone...	Mathews Canal.....	3
North Platte R.	N. Platte Irr. & L.Co.	N. Platte...	North Platte Canal.	4
"	Farmers Canal Co....	Omaha.....	Farmers' Canal....	5
"	Minatare Mut.C. & I.Co	Minatare...	Minatare Ditch....	6
"	Winters' Creek Irr. Co.	Gering....	Winter Creek C....	7
"	Enterprise Ditch Co...	Sunflower..	Enterprise Ditch...	8
"	Castle Rock Irr.. Canal & Water Power Co..	Wilford....	Castle Rock Irr. C.	9
"	Logan, Chas. E. ....	Cmp. Clarke	.....	10
"	Belmont I. C. & W. P. Co. ....	Omaha....	Belmont Canal.....	11
"	Central I.C. & W.P.Co.	Gering.....	Central I. C. & W. P. Co. Canal.....	12
"	Myers, T. A. et al. ....	Ogalalla...	Myers & Phelps C....	13
"	Sheridan, J. Wake....	" .....	Sheridan & Wilson Ditch.....	14
"	Chimney Rock Irr. Can. & Water Power Co..	Cmp. Clarke	Chimney Rock C....	15
"	Empire Canal Co.....	" .....	Empire Canal.....	16
"	Kah, David. ....	Minatare .....	Kah Ditch.....	17
"	Brown's Cr. I. C. Co.	Cmp. Clarke	Brown's Ck. Canal.	18
"	Hale, Will A. ....	Gering.....	Homestead Ditch ...	19
"	Alliance I. C. & W. P. Co. ....	Cmp. Clarke	Alliance Canal.....	20
"	Clarke, Henry T. ....	" .....	H. T. Clarke Canal.	21
"	Nichols, Yorrick and C.	Morrill....	Ramshorn Ditch....	22
"	Short Line Irr. C. Co.	Bayard....	Short Line Canal....	23
"	Lisco, Reuben.....	Chappell...	Lisco Ditch.....	24
"	Nine Mile C. & Res. Co.	Bayard....	Nine Mile Canal....	25
"	Cody & Dillon I. C. Co.	N. Platte...	Cody & Dillon I. C. Co. ....	26
"	Sutherland & Paxton Land & Irr. Co.....	Sutherland.	S. & P. L. & I. C.	27
"	Paxton & Hershey Irr. Canal & Land Co..	Omaha.....	Paxton & Hershey C	28
"	Bower, Wm. T. ....	Oshkosh ...	Bower Ditch.....	29
"	Far. & Mer. Land Co.	N. Platte..	Farm. & Mer. C....	30
"	South Side I. & L. Co.	" .....	So. Side I. & L. Co. C	31
"	Roberts, C. F. ....	Oshkosh ...	Midland Ditch.....	32
"	Keith, Morrell C. ....	N. Platte..	Keith Canal.....	33
"	Maycock, Joseph....	Morrill....	Rooster Ditch.....	34
"	Smith, Augustus....	N. Platte..	Smith Canal.....	35
"	Fox, B. M. ....	Oshkosh ...	Overland I. Co. Can.	36
"	Hannah Irr. Can. Co.	Lisco .....	Hannah I. Canal...	37
"	Gumaer, H. G., et al	Oshkosh ...	Oshkosh Canal.....	38
"	Smith, A. H., et al...	Cmp. Clarke	Beerline Ditch.....	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.		1.14	17	15	39	Keith	July	1	1893	719	
2	"		1.43	11	17	44	Deuel	June	17	1903	710	
3	"		1.14	28	15	37	Keith	April	1	1895	750	
4	"		300.	13	14	34	Lincoln	May	31	1884	635	
5	"		1142.86	3	23	58	Scotts Bluff	Sept.	16	1887	918	
6	"		249.43	32	22	51	"	Jan.	14	1888	919	
7	"		124.29	17	22	55	"	Oct.	18	1888	952	
8	"		173.71	27	23	57	"	Mar.	28	1889	920	
9	"		82.57	4	21	54	"	April	18	1889	921	
10	"		5.71	19	24	50	Cheyenne	Oct.	17	1889	821	
11	"		270.	18	20	51	"	Dec.	19	1889	828	
12	"		36.	27	22	55	Scotts Bluff	June	23	1890	926	
13	"		7.14	34	15	39	Keith	Sept.	11	1890	709	
14	"		10.	20	14	35	"	Oct.	9	1890	710	
15	"		60.	1	20	53	Cheyenne	Dec.	3	1890	844	
16	"		28.57	18	20	51	"	June	25	1891	858	
17	"		4.57	11	21	54	Scotts Bluff	Nov.	1	1891	944	
18	"		188.71	29	20	50	Cheyenne	Jan.	20	1892	857	
19	"		11.43	21	22	55	Scotts Bluff	June	29	1892	941	
20	"		100	5	20	52	Cheyenne	Dec.	26	1892	874	
21	"		9.43	22	20	51	"	Feb.	2	1893	875	
22	"		45.71	13	23	58	Scotts Bluff	March	20	1893	945	
23	"		65.57	25	21	53	"	May	1	1893	946	
24	"		32.86	14	18	47	Cheyenne	July	1	1893	856	
25	"		200.	18	21	53	Scotts Bluff	Dec.	6	1893	925	
26	"		127.	9	14	31	Lincoln	Dec.	29	1893	649	
27	"		186.	18	14	36	Keith	Feb.	2	1894	722	
28	"		130.	18	14	33	Lincoln	Feb.	12	1894	653	
29	"		21.37	6	17	45	Deuel	March	27	1894	787	
30	"		183.	12	14	33	Lincoln	May	22	1894	662	
31	"		270.	14	14	34	Lincoln	June	6	1894	667	
32	"		12.	2	16	44	Deuel	June	9	1894	789	
33	"		71.	36	14	30	Lincoln	July	7	1894	657	
34	"		5.71	10	23	58	Scotts Bluff	July	29	1894	950	
35	"		20.	36	14	30	Lincoln	August	9	1894	676	
36	"		20	1	16	44	Deuel	August	14	1894	791	
37	"		5.71	24	18	47	Cheyenne	Sept.	24	1894	886	
38	"		40.	33	17	44	Deuel	October	5	1894	797	
39	"		30.	24	19	49	Cheyenne	October	13	1894	887	



## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-office Address	Name of Ditch	
North Platte R.	Spohn, Wm.....	Oshkosh ...	Spohn Ditch.....	1
"	Rush Creek Irr. Can. Co	Lodge Pole.	Rush Creek Irr. Can.	2
"	Lyons I.C. & W. P. Co.	Oshkosh ...	Lyons Irr. Canal..	3
"	Orr, Geo. B., et al...	Lewellen...	Orr & Vance Canal.	4
"	Williams, E. C., et al.	"	Robb's & Will'ms C	5
"	Gyger, J. C.....	Oshkosh ...	Gyger Ditch.....	6
"	Dikeman, S. F.....	N. Platte..	Dikeman Canal....	7
"	Simpson, Geo. M., et al	Oshkosh ...	Signal Bluff Ditch	8
"	Jacobs, Lee.....	Ogalalla ...	Hay Land Canal...	9
"	Hubartt, E.....	N. Platte..	Hubartt & Hall D....	10
"	Fernstrom, Alfred, Nisson, Peter.....	Ogalalla ...	Fernstrom & Nissen	11
"	Alfalfa Irr. District..	"	Alfalfa Irr. Dis. Can	12
"	Bushnell, H. J. & E. N.	Oshkosh ...	Bushnell Bros. D...	13
"	Holcomb, Gen. J.....	Ogalalla ...	Holcomb Ditch....	14
"	Burritt, Newell.....	N. Platte..	Burritt & George C.	15
"	Steamboat Ditch Co..	Gering.....	Steamboat Ditch...	16
"	North River Irr. C. & Water Power Co...	Oshkosh ...	North River Irr. Co.	17
"	LaMore, Fred E.....	LaPeer.....	LaMore Ditch.....	18
"	Steamboat Ditch Co..	Gering.....	Steamboat Ditch ...	19
"	Tetreault, Amedee. ...	LaPeer.....	Tetreault D. No. 2.	20
"	The Gering Ir. District	Gering.....	Gering Canal.....	21
"	Schermerhorn, A. D. ...	Omaha.....	Schermerhorn Can.	22
"	Eq. F'm & Stock Im. C.	N. Platte..	Oshkosh Canal....	23
"	Frank, Wm.....	Grand Is'nd	Columbia Canal....	24
"	Sec. of Interior.....	Wash., D. C	Pathfinder .....	25
"	Pathfinder Elec. & Water Power Co..	Scott's Bl'ff	.....	26
"	Stewart, G. F.....	Mitchell...	.....	27
North Platte "	Sands, F. M.....	Gering.....	.....	28
Borrow Pit, trb. North Platte.	Taylor, A. O.....	Minatare...	Borrow Pit Ditch..	29
Otter creek.....	Howell, M. A. B. ....	Detr't, Mich	Cascade Canal.....	30
Owl creek.....	Kellums, John H .....	Caldwell ..	Sunflower Ditch ...	31
"	" " .....	" ..	Sunflower Ditch ...	32
Pawnee creek ..	Holcombe, M. N.....	Brady Isl..	Holcombe's Ditch ..	33
"	Murphy, E. D .....	Brady Isl..	Murphy's Ditch....	34
"	Plumer, Wm. H.....	Maxwell ...	Plumer Ditch .....	35
Platte river....	Gothenburg P. & I. Co.	Gothenburg	Gothenburg P. & I. C.	36
"	Farmers' D. & C. Co..	Brady Isl..	Farm. D. & C. Co. D.	37
"	Farmers' Irr. Co .....	Lexington .	Farmers Irr. Co's D.	38
"	Farm. & Mer. Irr. Co.	"	Farm. & Mer. Canal	39
"	Fowles, Russell H .....	Maxwell ...	Maxwell Canal ....	40
"	Appleford, Henry ....	"	Appleford Canal ..	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.		13.14	13	17	45	Deuel . . . . .	Dec.	6	1894	801	....
2	"		9.64	2	17	46	" . . . . .	Dec.	11	1894	802	....
3	"		42.14	30	17	44	" . . . . .	Dec.	22	1894	803	....
4	"		2.93	29	16	42	" . . . . .	Dec.	24	1894	811	....
5	"		26.57	35	16	42	" . . . . .	Jan.	4	1895	804	....
6	"		10.86	10	16	44	" . . . . .	Jan.	5	1895	806	....
7	"		30.	9	14	32	Lincoln . . . . .	Jan.	14	1895	684	....
8	"		30.13	16	16	43	Deuel . . . . .	Jan.	16	1895	807	....
9	"		5.71	29	15	39	Keith . . . . .	Jan.	19	1895	732	....
10	"		65.70	20	14	30	Lincoln . . . . .	March	3	1895	691	....
11	"		4.	25	15	39	Keith . . . . .	March	23	1895	737	....
12	"		100.	1	15	42	" . . . . .	March	25	1895	738	....
13	"		7.14	12	16	44	Deuel . . . . .	March	27	1895	809	....
14	"		63.	16	15	40	Keith . . . . .	June	4	1895	....	1
15	"		30.	2	12	28	Lincoln . . . . .	Aug.	15	1895	....	118
16	"		15.	4	21	54	Scotts Bluff . . . . .	October	22	1895	....	186
17	"		168.29	14	18	47	Cheyenne . . . . .	Feb	24	1896	....	243
18	"		20.	34	19	48	" . . . . .	July	18	1896	....	327
19	"	40	....	4	21	54	Scotts Bluff . . . . .	July . . . . .	22	1896	....	*350
20	"		12.	1	19	50	Cheyenne . . . . .	Aug.	15	1896	....	353
21	"		500.	4	23	58	Scotts Bluff . . . . .	March	15	1897	....	365
22	"		30.	16	20	51	Cheyenne . . . . .	October	25	1897	....	418
23	"		400.	24	17	45	Deuel . . . . .	July . . . . .	19	1899	....	517
24	"		412.	3	23	58	Scotts Bluff . . . . .	April . . . . .	14	1902	....	660
25	"		....	19	29	83	State of Wyoming . . . . .	Sept. . . . .	19	1904	....	768
26	Pow'r		200.	20	22	55	Scotts Bluff . . . . .	Dec . . . . .	16	1904	....	777
27	Irrig.		....	....	....	....	....	Feb. . . . .	5	1906	....	*814
28	Pow'r	150.	....	4	23	58	Scotts Bluff . . . . .	June . . . . .	28	1906	....	*827
29	Irrig		.57	19	21	52	" . . . . .	April . . . . .	23	1904	....	751
30	I.&P.		20.	5	15	40	Keith . . . . .	Jan.	23	1906	....	812
31	Irrig.		1.14	12	22	58	Scotts Bluff . . . . .	Sept.	17	1897	....	411
32	"		1.14	12	22	58	" . . . . .	October	10	1904	....	770
33	"		8.	13	13	28	Lincoln . . . . .	October	18	1890	636	....
34	"		8.57	29	13	27	" . . . . .	June	9	1894	669	....
35	"		10.	19	13	27	" . . . . .	June	15	1894	672	....
36	I.&P.		200.	29	12	26	" . . . . .	July	5	1890	645a	....
37	Irrig.		280.	17	13	29	" . . . . .	June	2	1894	666	....
38	"		114.	25	10	23	Dawson . . . . .	June	14	1894	621	....
39	"		1142.86	18	10	23	" . . . . .	June	26	1894	622	....
40	"		27.14	29	13	28	Lincoln . . . . .	July	5	1894	673	....
41	"		10.	15	13	29	" . . . . .	July	7	1894	674	....

\*Pending.

## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-Office Address	Name of Ditch
Platte river ..	Sides, Leroy .....	Lowell....	Leroy Sides' Ditch 1
" .....	Farmers' Union D. Co.	Kearney ...	Farm. Union Canal 2
" .....	Platte R. Irr. Co. ...	Lexington ..	Platte R. I. Co. Can. 3
" .....	Gothenburg P. & I. Co.	Gothenburg	Gothenb'g P. & I. C. 4
" .....	Farmers' Mut. Irr. Co.	Kearney ...	Farmers' Canal..... 5
" .....	McCullough, John....	Maxwell ...	McCullough D..... 6
" .....	Six Mile Ditch Co....	Gothenburg	Six Mile Ditch..... 7
" .....	Gothenburg South Side Irr. Co. ....	Gothenburg	Gothenburg S. S. Irr. Co..... 8
" .....	Booker, H. C.....	" .....	Booker Canal..... 9
" .....	Cozad Irr. Co.....	Cozad .....	Cozad Irr. Canal... 10
" .....	Orchard & Alfalfa Irr. Co .....	" .....	Orchard & Al. Irr. D. 11
" .....	Lincoln & Dawson County Irr. Dist. 1.	Gothenburg	Lincoln & Dawson Co. Irr. Dist. Can. 12
" .....	Appleford, Henry ....	Maxwell ...	Appleford Canal... 13
" .....	Lucas & Ft. Kearney Irrigation Co.....	Newark ....	Lucas & Ft. Kear- ney Ditch..... 14
" .....	Lowell Farm. Irr. Co.	Lowell .....	Lowell Farm. I. Can. 15
" .....	Milbourn, L. ....	Overton....	Milbourn Ditch... 16
" .....	Midway Mutual Irr. Co.	Gothenburg	Farmers' Canal..... 17
" .....	Hefner, O. O .....	Lexington ..	Lex. So. Side I. D. 18
" .....	Lucas, John R.....	Elm Creek ..	..... 19
" .....	Lex. So. Side Irr. Co.	Lexington ..	Lex. So. Side Ditch 20
" .....	Midway Mutual Irr. Co.	Cozad .....	Midway Irr. Canal... 21
Plum creek ...	Barrett, Helena E....	Lewellen...	Barrett Ditch..... 22
Pumpkin Seed.	Wright, John S.....	Ashford ...	J. S. Wright D. No. 1 23
" .....	Kelly, Wm. J.....	" .....	Kelly Ditch..... 24
" .....	Heard, Henry L .....	Freeport ...	Heard's D's Nos. 1 & 2..... 25
" .....	Wright, John S.....	Ashford ...	J. S. Wright D. No. 2 26
" .....	Logan, John E.....	Gering.....	Logan Ditch..... 27
" .....	Court House Rock I. Co .....	Midway ...	Court House I. Can. 28
" .....	Smith, Eliza C., Wheeler, Chas. G....	Sidney....	Smith & Wheeler So. D..... 29
" .....	Mutual Ditch Co .....	Redington ..	Mutual Ditch..... 30
" .....	Waitman, P. P.....	" .....	Waitman's Ditch... 31
" .....	Endered, Chas. O. et al	Freeport ...	Endered Ditch..... 32
" .....	Cary L. B.....	La Peer....	Meredith & Amner Ditch..... 33
" .....	Hampton, R. R. and Wm. D.....	Harrisburg	Hampton Ditch.... 34

## 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	Y.		
1	Irrig.		20.	13	8	14	Kearney	July	23	1894	629	....
2	"		128.57	6	8	19	Dawson	August	10	1894	623	....
3	"		400.	13	9	22	"	Sept.	15	1894	624	....
4	"		240.	29	12	26	Lincoln	Sept.	22	1894	645b	....
5	"		180.	12	8	16	Buffalo	Sept.	24	1894	628	....
6	"		30.	35	13	28	Lincoln	October	20	1894	679	....
7	"		40.	11	11	26	"	October	22	1894	680	....
8	"		357.14	30	12	26	"	October	26	1894	681	....
9	"		100.	16	11	25	Dawson	Nov.	9	1894	625	....
10	"		614.29	15	11	25	"	Dec.	28	1894	626	....
11	"		300.	9	10	24	"	Jan.	23	1895	627	....
12	"		642.86	9	13	29	Lincoln	Feb.	22	1895	687	....
13	"		2.86	15	13	29	"	March	28	1895	690	....
14	"		100.	13	8	18	Phelps	March	4	1896	.....	264
15	"		114.	15	8	14	Kearney	July	27	1896	.....	351
16	"		.57	2	8	20	Dawson	Jan.	7	1897	.....	375
17	"		229.	4	11	26	Lincoln	July	31	1897	.....	400
18	"		12.57	8	9	22	Dawson	October	14	1897	.....	416
19	"		2.64	15	8	18	Phelps	June	18	1900	.....	566
20	"		58.	8	9	22	Dawson	Sept.	28	1900	.....	576
21	"		229.	3	11	26	Lincoln	Nov.	3	1900	.....	586
22	"		.50	23	16	42	Deuel	Dec.	10	1897	.....	422
23	"		2.	5	19	54	Banner	Dec.	31	1882	.....	904
24	"		1.43	5	19	54	"	May	10	1886	.....	915
25	"		1.29	14	19	54	"	June	1	1887	.....	916
26	"		2.86	5	19	54	"	Dec.	31	1887	.....	905
27	"		4.	7	19	55	"	July	16	1890	.....	902
28	"		30.50	30	19	50	Cheyenne	October	6	1890	.....	840
29	"		1.57	26	19	51	"	October	16	1890	.....	842
30	"		8.57	33	19	52	"	Nov.	1	1890	.....	843
31	"		2.86	25	19	53	Banner	March	12	1891	.....	847
32	"		1.	21	19	53	"	May	27	1891	.....	903
33	"		18.86	23	19	50	Cheyenne	Feb.	20	1893	.....	876
34	"		1.29	25	20	57	Banner	April	5	1893	.....	906

## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Pumpkin Seed	Finn, J. L., Dean, H. T.	La Peer....	Last Chance. ....	1
"	Munn, Lee.....	Redington.	Round H'se Rock D.	2
"	Maxwell, Jos. J.....	"	J. J. Maxwell Irr. D.	3
"	Dunlap, J. P.....	Dwight ...	Dunlap Ditch.....	4
"	Willard, Wm. M.....	Midway ...	Wm. M. Willard D.	5
"	Thompson, R. S., et al.	Redington.	Birdcage Ditch....	6
"	Wilson, Thomas H....	Freeport...	Cowan Canal.....	7
"	Smith, E., & Wheeler, Chas. G.....	Sidney...	Smith & Wheeler North Ditch.....	8
"	Wisner, S. R., et al..	Freeport..	Abbott & Wisner D.	9
"	Peters, John F.....	Harrisburg	Peters Ditch.....	10
"	Holloway, J. P.....	Cmp. Clarke	Holloway Irr. Plant	11
"	Egleston, T. C.....	Caldwell, Id	Airedale Can. No. 1	12
"	"	"	Airedale Can. No. 2	13
"	Scott, Ambrose E....	Harrisburg	Reservoir Nos. 1, 2, 3	14
"	Smith, T. H.....	Redington.	Smith.....	15
"	Johnson, Theo.....	Freeport ..	".....	16
"	Beatty, D. E.....	Harrisburg	Beatty Ditch.....	17
Ravine.....	Newberry, H.....	N. Platte...	Newberry Ditch....	18
Sand creek. ...	Holcomb, G. J., et al.	Ogalalla...	Holcomb & Smith.	19
"	Patrick, Herman A...	"	Patrick Ditch....	20
"	Nissen, P.....	"	Nissen Ditch.....	21
Schuetz Spring.	Schuetz, Louis.....	LaPeer....	Schuetz Spring C..	22
Sheep creek...	Sturdivant, Jos....	Morrill ...	Sturdivant Ditch...	23
"	Nichols, Yorick.....	Pratt, Wyo.	Little Moon.....	24
Skunk creek...	Miller, Adam.....	Keystone...	Miller Ditch.....	25
Snake creek	Oasis Ditch Co.....	Alliance...	Oasis Ditch.....	26
"	Elmore, Mike.....	"	Elmore Canal....	27
South Platte R.	Eaton, John J.....	Brule. ....	Eaton & McGrath D	28
"	Hollingsworth & Sons.	Ogalalla...	Hollingsworth D...	29
"	Stebbins, Lucien....	N. Platte...	Stebbins Canal....	30
"	Searle, E. M.....	Ogalalla...	Riverside.....	31
"	Miller, F. L.....	Big Springs	Miller & Warren...	32
"	Ryan, J. T.....	Brule.....	Home Irr. Ditch...	33
"	Shireman, W. H....	Oga alla...	So. Side Plano D...	34
"	Kimball, W., et al....	Big Springs	Big Springs Canal.	35
"	Mason, Elmer P.....	Paxton.....	Paxton Irr. Ditch...	36
"	Stafford, David.....	"	Paxton Southern D.	37
"	Lute & Sheridan.....	Ogalalla...	Lute & Sheridan D.	38
"	Meyer, Henry.....	Brule....	Meyer Canal.....	39
"	Searle, E. M., et al...	Ogalalla...	Ogalalla F. & M. C.	40
"	Carnahan, H., Reed, O.	"	Cereal Irr. Ditch...	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.		8.	27	19	50	Cheyenne	April	12	1894	883	....
2	"		3.	28	19	51	"	May	29	1894	884	....
3	"		.50	23	19	52	"	June	30	1894	885	....
4	"		.36	24	19	51	"	March	1	1895	889	....
5	"		1.43	25	19	51	"	March	27	1895	888	....
6	"		1.	19	19	51	"	June	1	1895	892	....
7	"		.71	17	19	53	Banner	June	24	1895	....	46
8	"		.71	26	19	51	Cheyenne	June	1	1896	842	....
9	"	14.40		23	19	53	Banner	.....	.....	.....	*917	....
10	"	4.80		34	20	56	"	.....	.....	.....	*913	....
11	"		2.	28	19	50	Cheyenne	Jan.	14	1899	....	492
12	"		3.	2	19	55	Banner	Jan.	24	1903	....	698
13	"		3.	1	19	55	"	Jan.	24	1903	....	699
14	"		9.43	7	19	55	"	June	24	1903	....	711
15	"		.57	25	19	53	Cheyenne	August	19	1903	....	722
16	"		2.29	2	19	55	Banner	April	20	1906	....	819
17	"			8	19	55	"	Sept.	1	1906	....	*836
18	"		2.	22	14	32	Lincoln	July	19	1895	....	85
19	"		7.	10	15	40	Keith	May	20	1889	698	....
20	"		2.43	3	15	40	"	May	31	1891	725	....
21	"		4.	10	15	40	"	March	18	1901	....	606
22	"		.21	28	18	50	Cheyenne	May	10	1892	881	....
23	"		.29	12	25	58	Sioux	October	10	1895	....	182
24	"		1.	10	24	58	"	March	23	1904	....	745
25	"		2.29	1	14	37	Keith	April	1	1895	740	....
26	"		54.86	6	24	51	Box Butte	June	6	1894	567	....
27	"		6.	30	25	51	"	June	22	1895	....	41
28	"		20.	25	13	41	Keith	April	3	1894	755	..
29	"		30.	12	13	39	"	June	5	1894	723	....
30	"		30.	34	14	32	Lincoln	Dec.	17	1894	683	....
31	"		2.86	17	13	39	Keith	Dec.	22	1894	744	....
32	"		53.86	7	12	42	Deuel	Jan.	5	1895	805	....
33	"		3.14	30	13	40	Keith	March	2	1895	736	....
34	"		1.43	17	13	39	"	April	27	1895	733	....
35	"		8.93	35	13	42	Deuel	April	27	1895	810	....
36	"		16.	2	13	36	Keith	August	24	1895	....	130
37	"		4.	2	13	36	"	October	17	1895	....	184
38	"		13.43	5	13	37	"	Feb.	17	1896	....	231
39	"		2.86	22	13	40	"	April	14	1896	....	283
40	"		125.	20	13	40	"	July	10	1896	....	356
41	"		20.	16	13	39	"	July	10	1896	....	357

\*Pending.

## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
South Platte R.	Allen, Wm. F.....	Omaha.....	Allen Ditch.....	1
"	Paxton Irrig. Dist...	Paxton.....	Paxton Ir. Dist. C. 1	2
"	Western Irrig. Dist...	Big Springs	Western Irr.....	3
"	Leech, E. E., et al....	"	Kimball's Underfl'w	4
"	Abraham, V. S.....	Ogalalla...	"	5
"	Brown, Vm.....	Big Springs	Brown's Canal.....	6
Spotted Tail C.	Stewart, H. G.....	Crawford ..	"	7
"	Stewart, H. G.....	Mitchell....	Stewart Res.....	8
Spring Branch.	Brogan Bros.....	Paxton.....	Brogan Bros.' D.	9
Spring Br., trib to Lawr. Fk..	Harper, J. W.....	Sidney.....	Harper Ditch No. 2	10
Spring creek...	Holcomb, G. J.....	Ogalalla..	Spring Creek Ditch	11
"	Saunders, L. F.....	Gering. ...	Saunders' Ditch...	12
Spring Ck., trib to White Tail.	Holloway, D. P.....	Keystone...	Spring Creek Ditch	13
Spring Ck. Lit.	Ware Costin Cattle Co.	Omaha.....	Little Spring Ditch	14
Springs, trib. to Middle creek.	Bartling, Henry.....	Sidney.....	Bartling Ditch.....	15
Springs, trib. to Middle creek.	Bartling Henry. ....	"	Bartling Ditch No. 2	16
Sprs. on Sec. 4 of 28-18-49...	Finn Brothers.....	LaPeer.....	Finn Bros.' Ditch..	17
Strm. (no name)	Newberry, H.....	N. Platte..	Newberry Ditch....	18
Willow creek..	Everett, R. L.....	Harrisburg	Willow Sp'gs D. 1.	19
"	Everett, R. L.....	"	Willow Sp'gs D. 2.	20
White Horse Ck	Lamplugh, Isaac .....	N. Platte..	Lamplugh's Lakes.	21
White Tail Ck.	McCarthy, John M....	Keystone...	J. M. McCarthy....	22
"	Holloway, D. P., et al	Ogalalla...	Halloway & Phelps Ditch .....	23
"	Leonard Brothers....	Keystone...	Little Daudy .....	24
"	Foster, Frank.....	"	Foster Keystone C.	25
"	Reed, Fred.....	"	Reed Ditch.....	26
"	Bower, John H. ....	Ogalalla...	"	27
"	Leonard M. J.....	Keystone...	Branch Ditch .....	28
"	Ware Costin Cattle Co.,	"	Keystone Canal....	29
"	Paxton, W. A., Jr....	Omaha ...	Keystone Ditch....	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.		9.	24	13	40	Keith	Dec.	15	1896		370
2	"		42.	1	13	38	"	March	22	1897		387
3	"		6.29	4	12	42	Deuel	Nov.	8	1898		482
4	"		180.	14	12	43	"	June	14	1897		393
5	"		7.14	1	13	38	Keith	March	2	1905		782
6	"		4.86	28	13	41	"	Jan.	4	1906		810
7	"		1.	10	23	56	Scotts Bluff	May	2	1898		449
8	"		6.86	2	23	56	"	March	2	1904		743
9	"		.57	35	15	37	Keith	Sept.	24	1897		410
10	"		2.	1	18	52	Cheyenne	June	16	1902		674
11	"		.57	12	15	40	Keith	June	18	1894	724	
12	"		9.14	36	23	56	Scotts Bluff	April	20	1897		368
13	"		1.57	19	15	37	Keith	June	21	1890	704	
14	"		.57	29	15	37	"	April	1	1902		659
15	"		.29	28	18	51	Cheyenne	July	31	1891	870	
16	"		.29	28	18	51	"	June	1	1894	891	
17	"		.50	28	18	49	"	July	1	1890	836	
18	"		1.14	22	14	32	Lincoln	Feb.	25	1895	688	
19	"		1.14	16	19	56	Banner	Jan.	21	1902		650
20	"		.86	16	19	56	"	Jan.	21	1902		651
21	"		2.86	8	14	30	Lincoln	Dec.	31	1883	658	
22	"		1.	36	15	38	Keith	July	15	1890	749	
23	"		4.	36	15	38	"	June	1	1893	717	
24	"		2.	22	15	38	"	October	12	1894	727	
25	"		20.	36	15	38	"	Oct.	30	1894	730	
26	"		.57	15	15	38	"	May	15	1895	751	
27	"		2.86	36	15	38	"	October	29	1897		420
28	"		.57	34	16	38	"	March	6	1901		604
29	"		54.	26	15	38	"	April	26	1902		662b
30	"	4.57		26	15	38	"	Nov.	30	1906		*843

\* Pending.



## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
White Tail Ck., west fork. . . .	Leonard, M. J.. . . .	Ogalalla . . .	Leonard Ditch . . . .	1
White Tail Ck., west fork . . . .	Leonard, M. J. . . . .	Keystone . . .	Leonard Ditch . . . .	2
Wind Springs . .	Maycock, John . . . . .	Gering . . . . .	Wind Springs Can. . .	3
Winters creek . .	Bouton, Chas. A . . . . .	" . . . . .	Bouton's Ditch . . . .	4
Wood river . . . .	Davis, J. H. & Sons . .	Gibbon . . . . .	.....	5
"	Shelton Mill. & G. Co.	Shelton . . . . .	.....	6
"	Bears, S . . . . .	Kearney . . . . .	.....	7
"	Klein, J. J . . . . .	" . . . . .	White Bridge Park . .	8
"	Klein, J. J . . . . .	" . . . . .	" . . . . .	9
"	Sibbersen, I . . . . .	Columbus . . .	Grand Island Can . .	10

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 Irrig. ....		1.43	28	16	38	Keith.....	May	4	1899	.....	507
2 " .....		1.	28	16	38	" .....	March	6	1901	.....	603
3 " .....		1.43	12	24	55	Sioux.....	March	1	1892	954	....
4 " .....		1.	3	22	54	Scotts Bluff.	August	17	1889	923	....
5 Pow'r .....		40.	13	9	14	Buffalo.....	Nov.	1	1873	993	....
6 " .....		40.	1	9	13	" .....	October	16	1873	994	....
7 " .....		25.40	13	9	16	" .....	May	1	1881	995	....
8 Irrig. ....		.06	8	9	15	Buffalo.....	March	14	1900	.....	545a
9 Pow'r .....		10.	8	9	15	" .....	March	14	1900	.....	545b
10 Irrig .....		37.	9	10	10	Hall.....	Nov.	26	1900	.....	589

## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Big Cott'nwood	Hansberry, Jon. T....	Bloomington.....	Bloomington Ditch	1
"	Hansberry, Jon. T....	" .....	Bloomingt'n Mill 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	Fish 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 Riv. and Stinking Water creek.	Culbertson Irr. & Water Pr. Co.....	Culbertson.	Culbertson Irr. and Water Pr. Canal.	16
Frenchman R..	Chase 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'n D.	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 Rolling Mill	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

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 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	37.45		11	5	36	Chase	July	31	1886	*178	....
13 " "			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	all.		18	6	40	"				*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.		24.	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
"	.. T. T. Jordan.. .. .	Champion..	North Side Irrig. 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 ..	Wellfleet Roller M's	16
Muddy creek...	Phillips, F. C.....	Max .....	Phillips Ditch.....	17
Peppermint ck.	Betts, N. O.....	Bloomin'g'n	Betts Ditch.....	18
Red Willow ck.	Moore, Wm. H.....	Indianola..	Red Willow Mill... 19	
"	Holland, L. J.....	" .. .	L. J. Holland Ditch 20	
"	Helm, John F.....	Red Willow .....	..... 21	
"	Clark, A. R.....	Indianola..	Red Willow Val. M 22	
Red Willow Lk.	Cooper, James.....	Wallace....	.....	23
Republican R..	Carson, Andrew.....	McCook...	Carson Ditch No. 1.	24
"	.. Brown, W. A.....	Haigler....	Sand Point D. Co..	25
"	.. Trites, W. H., et al..	Culbertson.	Trites-Davenport C.	26
"	.. McCook I. & W. P. Co.	McCook....	Meeker Canal.....	27
"	.. Trenton Farmers' Irrigation Association..	Trenton...	Trenton Farm's I D	28
"	.. Carson, Andrew .. .	McCook....	Carson Ditch No. 2.	29
"	.. Cambridge & Arapahoe Irr. & Imp Co..	Arapahoe..	C. & A. I. & I. Co. D	30
"	.. Republican Riv. I. Co.	Benkelman.	Rep. R. I. Co. D... 31	
"	.. Larned, W. H., et al..	Haigler....	White & Larned D. 32	
"	.. Marr, Lorenzo .....	Culbertson.	Marr Ditch.....	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	"	.....	3.	35	5	34	Hayes.....	Aug.	11	1903	.....	720
4	Pow'r	.....	20.	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	"	.....	2.14	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	I & 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	& P.	.....		16	9	30	"	.....				*837
16	Pow'r	16.6	.....	16	9	30	"	Sept.	11	1906	.....	
17	Irrig.	.....	.26	2	2	36	Dundy.....	June	19	1895	.....	235
18	"	.....	.33	28	2	15	Franklin....	Jan.	13	1898	.....	430
19	Pow'r	.....		16	3	28	Red Willow	Jan.	1	1886	181	.....
20	Irrig.	.....	35.	16	3	28	"	Jan.	23	1891	95	.....
21	"	.....	2.	17	3	28	"	Feb.	18	1895	111	.....
22	"	.....	14.29	31	4	28	"	Feb.	27	1905	.....	781
23	"	.....	2.	36	9	33	Lincoln.....	Dec.	20	1893	647	.....
24	"	.....	1.43	27	3	30	Red Willow	July	1	1888	103	.....
25	"	.....	11.	11	1	42	Dundy.....	Sept.	25	1890	115	.....
26	"	.....	7.	20	3	31	Hitchcock...	Dec.	18	1890	3	.....
27	"	.....	143.	15	3	31	"	Dec.	22	1890	{ 4, 9	.....
											{ 8, 7	.....
28	"	.....	32.	10	2	34	"	Dec.	24	1890	5	.....
29	"	.....	18.	27	3	30	Red Willow.	May	5	1891	102	.....
30	"	.....	170.	28	4	25	Furnas.....	Aug.	26	1891	89	.....
31	"	.....	30.	29	1	38	Dundy.....	May	2	1892	147	.....
32	"	.....	3.	22	1	40	"	April	29	1893	148	.....
33	"	.....	4.29	16	3	31	Hitchcock...	Jan.	22	1894	150	.....
											11	.....

\*Pending.

## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Republican R..	Anderson, Anders. ....	Benkelman.	Anders Anderson D	1
"	Groesbeck & Cannon..	Max. ....	Groesbeck Ditch.	2
"	Thomas, A. J. ....	Haigler ...	Thomas Ditch.....	3
"	Ballard, Henry, L... ..	Oxford. ...	Ballard Ditch.....	4
"	Byfield, William.....	McCook....	Byfield Ditch. ....	5
"	Wilcox, F. S.....	" ....	Wilcox Ditch.....	6
"	Delaware-Hickman D. Co. ....	Benkelman,	Delaware-Hickman Ditch ..	7
"	Allen, E. M., et al....	Arapahoe..	Allen Irr. Ditch....	8
"	Pickering, J.....	Trenton....	North Side Pioneer Irr. Ditch.....	9
"	Spooner, J. A. ....	Parks . ...	Private Ditch.....	10
"	Lee, Wm.....	McCook. ...	Harmon Ice Pond 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	
"	Christianson, Neils C.	Max ....	Christianson Ditch. 16	
"	Bixler, Hiram K. ....	McCook....	Bixler Canal..... 17	
"	Eller, T. A., et al ...	Trenton....	Campbell 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 Wat. C	Chase Co. Land & Live Stock Co. ....	Beatrice....	Chase Co. L. & L. S. Co. Ditch 2.... 27	
Stinking W. ck.	McLain, Frank.....	Imperial. ...	McLain's 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 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	Irrig.		2.	1	1	37	Dundy	Jan.	26	1894	151	....
2	"		10.	10	1	37	"	Mar.	27	1894	153	....
3	"		2.	24	1	40	"	June	5	1894	154	....
4	"		8	8	3	21	Furnas	June	9	1894	91	....
5	"		12.	23	3	29	Red Willow	June	11	1894	168	....
6	"		4 50	32	3	29	"	Oct.	4	1894	109	....
7	"		20.	17	1	37	Dundy	Jan.	7	1895	157	....
8	"		14.	2	3	26	Red Willow	Jan.	26	895	110	....
9	"		10.	9	2	34	Hitchcock	Mar.	14	1896	....	266
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.	2	1890	118	....
14	"		2 86	24	1	39	"	Mar.	18	1891	133	....
15	"		20.	29	1	38	"	Aug.	22	1900	....	577
16	"		1.14	2	1	37	"	Mar.	4	1904	....	744
17	Pow'r		8.	24	3	29	Red Willow	Mar.	21	1905	....	785
18	Irrig.	9.14	.....	9	2	34	Hitchcock	July	13	1906	....	*828
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	"		.21	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	Mar.	10	1894	57	....
28	"		2.50	28	7	37	Chase	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. ck	Kilpatrick Bros.....	Beatrice....	Chase Co. L. & L.S. Co., Ditch 1. ....	1
Turkey creek...	Wilt & Polly .....	Naponee ...	.....	2

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.....			4	1	16	Franklin....	Dec.	31	1874	*183	....

\*Pending.

## 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 BY

Stream	Name of Claimant	Post-Office Address	Name of Ditch	
Bear creek.....	Wolfe, J. V.....	Lincoln....	Wat. Wks. Institute 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
"	Lakin, W. H.....	Dorchester.	.....	7
"	James, W.....	Pl'sant Hill	.....	8

## 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	6	E Gage..	.....	May	20	1898	.....	455
2	Pow'r	.....	.40	7	10	2	W York.....	.....	Nov.	1	1878	963	....
3	Irrig.	.....	7.14	32	9	3	E Seward .....	.....	Dec.	20	1895	.....	211
4	Pow'r	.....	105.	32	9	3	E " .....	.....	Dec.	20	1895	.....	214
5	"	all	.....	4	7	3	E Saline .....	.....	.....	.....	.....	*990	....
6	Irrig.	.....	1.21	4	7	3	E " .....	.....	July	16	1895	.....	81
7	"	.....	.20	34	8	2	E " .....	.....	Jan.	27	1896	.....	218
8	"	.....	2.29	14	7	3	E " .....	.....	March	25	1896	.....	271

\*Pending.

## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post-office Address	Name of Ditch	
Lodge Pole	L. W. Bickel	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 Dit.	7
"	Pomeroy, E V. S., et al	Sidney	Urbach Ditch	8
"	DeGraw, Geo	"	Hale D. No. 3	9
"	DeGraw, Geo.	"	Hale D. No. 4.	10
"	Hale, L. H.	"	Hale D. 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 D. 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 D. 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 1-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	7	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	....
2	"		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.	25	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	....
20	"		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	31	15	56	"	June	4	1889	350	....
40	"		0.43	31	14	46	Cheyenne....	June	10	1889	333	....
41	"		0.43	36	14	49	"	June	20	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 BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Lodge Pole....	Ickes, C. S. ....	2232 W. 34	Ickes Ditch .....	1
"	Adams, J. M. ....	Av., Denver	Adams Ditch. ....	2
"	Gorrard, F. G. & A. B.	Potter. ....	Hurley, Lilly &	
"		Kimball....	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, Jas. 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 Liv Stk. 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
"	Tracy, Ehan A. ....	Pine Bluffs,		
"		Wyo. ....	Tracy Ditch. ....	36
"	Walker, I. S. ....	Kimball. ....	Kimball S. R. & Irr.	
"			System. ....	37
"	Forsling, Alfred ....	"	Forsling Ditch. ....	38
"	Clarke, H. A. ....	Columbus. ....	Clarke Ditch. ....	39
"	Clarke, H. A. ....	"	Clarke Ditch. ....	40
Spg. ck trib.				
Lodge Pole ..	Oberfelder, R. S. ....	Sidney. ....	Oberfelder Ditch. ....	41
"	Chambers, C. P. ....	"	Private Ditch. ....	42
S. Br. trib. L. P.	Libby, H. H. ....	Lodge Pole	Spring Br. Ditch. ....	43

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.	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	14	46	Deuel.....	Feb.	16	1898	.....	437
16	"	.....	.21	36	15	57	Kimball.....	May	16	1898	.....	454
17	"	.....	3.	2	14	58	"	April	1	1899	.....	504
18	"	.....	2.	17	13	45	Deuel.....	May	31	1900	.....	563
19	"	.....	1.89	36	13	45	"	June	12	900	.....	565
20	"	.....	2.86	12	13	46	"	Feb.	14	1901	.....	600
21	"	.....	1.29	26	13	4	"	April	17	901	.....	611
22	"	.....	2.01	23	13	4	"	April	17	1901	.....	612
23	"	.....	†	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	5	"	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	"	.....	.86	36	15	57	"	Sept.	16	1903	.....	727
35	"	.....	1.75	29	15	55	"	Dec.	15	1903	.....	734
36	"	.....	1.14	12	14	59	"	May	11	1904	.....	755
37	"	20000 acre ft	.....	36	15	57	"	Aug.	8	1905	.....	*801
38	"	.....	.86	34	15	57	"	Dec.	6	1905	.....	806
39	"	20	.....	31	15	56	"	Oct.	8	1906	.....	*840
40	"	2	.....	36	15	57	"	Nov.	16	1906	.....	*842
41	"	.....	2.29	31	14	46	Cheyenne....	May	29	1889	307	.....
42	"	.....	.04	14	13	51	"	March	19	1895	335	.....
43	"	.....	.29	36	14	47	"	July	1	1901	.....	623

\*Pending. †700 acre feet granted for reservoir.

## 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	9 E	Otoe .....	Aug.	13	1895	.....	115

## CLAIMS AND APPLICATIONS BY

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's 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	
Looking Glass c	Gerrard, 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. Ir. & 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. Ir. Wat.	Loup City..	Sherman Co. Can.. 31	
"	Pr & Imp. Co.....	.....	.....	
"	Middle Loup Valley Ir. Canal Co. ....	Sargent....	Mid. Loup Val. I. C. 32	
"	Douglas Grove Ir. Dist	Wescott....	Wescott Irr. Ditch. 33	

## 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	"	Mar.	31	1896	....	277
5	Pow'r		67.	26	20	6	Boone.....	Oct.	3	1901	....	639
6	Irrig.		175.	22	21	12	Wheeler...	Sep.	14	1894	221	....
7	Pow'r		200.	12	16	6	Nance.....	Sep.	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	"		8.	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	"			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.....	Sep.	30	1893	227	....
											228	....
											232	....
25	"		40.	25	27	29	Cherry.....	Aug.	7	1894	188	....
26	"		110.	27	21	17	Loup.....	Sep.	7	1894	224	....
27	"		115.14	35	23	21	Blaine.....	Feb.	5	1895	205	....
28	"		51.43	27	23	22	Blaine.....	Sep.	10	1895	....	152
29	Irrig.		242.86	30	22	19	Loup.....	June...	5	1896	....	301
30	"		800.	...	28	32	Cherry.....	Aug....	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.....	Aug.	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
"	Thedford Irr. & Pr. Co	Thedford..	Thedford 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.....	Broken Bow	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....	Callaway ..		15
"	Brown, A. D. ....	Milldale....	Brown Canal .....	16
"	Brown, A. D.....	"	Brown Canal.....	17
"	Hartzell, B. F.....	Logan.....	Hartzell's Ditch....	18
"	Loup Val. Elec. R'y Co	Broken B'w		19
Muddy creek...	Penn, C. ....	"	Penn's Ditch.....	20
" .....	Benson, Wm. C.....	Litchfield ..	Litchfield Mills ...	21
Platte river....	Fremont C. & P. Co..	Fremont...	Fremont Canal....	22
" .....	Keene, Lewis M. . . .	" .....	Fremont Pr. Canal..	23
" .....	Rosewater, A.....	Omaha.....	Fremont P. Plant..	24
" .....	Craig, G. W .....	" .....	Omaha Gen P. P. .	25
" .....	Richards, L. D....	Fremont...	Fremont Gen. P. Co.	26
Platte and Elkh	Seymour Park Can. & Water Power Co....	Omaha... .	Seymour Park Can.	27
Shell creek....	Schmitt, P'.....	Columbus..	Schmitt's Irr. Can.	28
" .....	Schmitt, P.....	" ..	Schmitt's Irr. Can.	29
" .....	Gottberg, M.....	" ..	Gottberg Irr. Pl....	30
" .....	Babcock, H. E.....	" ..	Great Eastern Can.	31
Spring creek...	Hendryx, H. J.....	Monroe....	Hendryx Ditch .. .	32
Victoria creek..	Daily, Gilligan & Co.	Anselmo. .	Victoria Irr. Plant.	33
" ..	Victoria Ditch Ass'n..	Gates....	Victoria Ditch	34
" ..	Laughran, T., et al....	New Helena	Laughran & Bell D	35

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.....	Aug.	13	1894	229	....
2	"	.....	43.	4	23	29	Thomas.....	Aug.	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	216	....
6	"	.....	4.29	30	22	24	Blaine.....	Aug.	12	1895	220	....
7	"	.....	5.71	16	22	25	".....	Feb.	21	1896	.....	113
8	"	.....	20.	16	17	16	Valley.....	Mar.	6	1896	.....	248
9	"	.....	1.71	20	19	17	Custer.....	Mar.	5	1898	.....	262
10	Pow'r	.....	27.	35	20	20	".....	Aug.	16	1900	.....	442
11	"	.....	1000.	35	18	17	".....	Nov.	11	1904	.....	573
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	Pow'r	.....	.90	3	16	24	Custer.....	Aug.	1	1904	.....	765
20	Irrig.	.....	.50	33	17	20	".....	Aug.	14	1894	215	....
21	Pow'r	54	.....	33	14	16	Sherman...	.....	.....	.....	*999	....
22	P. & I.	.....	2500.	30	17	4E	Butler.....	June	21	1895	.....	40
23	Pow'r	.....	2500.	30	17	4E	".....	Jan.	2	1900	.....	530
24	"	.....	1500.	29	17	4E	".....	July	6	1901	.....	624
25	"	1500	.....	30	17	4E	".....	June	12	1905	.....	*796
26	"	2000	.....	29	17	4E	".....	Sept.	6	1905	.....	*802
27	I. & P.	.....	{ 180 I 1500 P	1	16	8E	Dodge.....	Oct.	25	1898	.....	480
28	Irrig.	.....	3.	19	18	1 E	Platte.....	Dec.	17	1894	292	....
29	Pow'r	.....	30.50	19	18	1 E	".....	Dec.	17	1894	292	....
30	Irrig.	.....	1.	24	18	1	".....	June	6	1895	.....	2
31	"	.....	.....	27	17	4	Nance.....	Jan.	22	1896	.....	219b
32	"	.....	1.33	2	17	3	Platte.....	June	25	1894	290	....
33	"	.....	2.29	1	19	21	Custer.....	Mar.	17	1894	210	....
34	"	.....	4.29	1	19	21	".....	July	17	1894	212	....
35	"	.....	4.	3	19	21	".....	Sept.	22	1894	213	....
											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
Elkhorn 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
“ ..	Atkinson Mill, Grain & St. Co .....	“ ..	.....	11
“ ..	Sanders, J. E.....	Stanton.....	.....	12
Elkhorn, N. Fk.	Sugar Cy. Cereal.....	Norfolk....	Sugar Cy. Cereal..	13
Elkhorn, S. Br.	Sanders, M. T .....	Ewing .....	Flouring Mill.....	14
Oak creek.....	Eiche, Herman... ..	Lincoln ..	Eiche Irrig. Plant..	15
Platte and Elk.	Rosewater, A.....	Omaha.....	Omaha Power Plant	16
“ ..	Riley, J. E.....	“ .....	Platte River Canal.	17
“ ..	Craig, Geo. W.....	“ .....	Om. Gen. P'r Plant	18
Platte, Elk and Buffalo creek	Riley, J. E.....	“ .....	Plattsmouth P. P'lnt	19
Springs.....	Newton Land Co.....	“ .....	Sp. Br. Aqueduct.	20
Silver creek....	Armour & Co.....	So. Omaha.	Armour & Co. Res.	21
Union and Tay- lor creeks....	Bley, Louis G.....	Madison... ..	Union Val. R. Mills	22
Wahoo creek..	Swift & Co.....	Omaha. ..	Swift & Co. Res'rv	23

STREAMS IN DIVISION 2-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	Pow'r	.....	10.67	36	24	3	Madison....	Nov.	12	1898	.....	484
2	"	.....	20.	36	24	3	".....	Apr.	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	...
5	"	.....	1.43	31	29	11	".....	Feb.	8	1894	263	...
6	"	.....	1.	32	29	11	".....	Feb.	8	1894	260	...
7	"	.....	5.	30	29	11	".....	Feb.	8	1894	261	...
8	"	.....	.71	24	29	13	".....	Feb.	18	1895	262	...
9	"	.....	5.	32	29	11	".....	Feb.	20	1895	282	...
10	"	.....	2.29	30	30	14	".....	Feb.	14	1898	283	...
11	Pow'r	.....	40.	4	29	14	".....	Dec.	22	1900	.....	443
12	"	.....	242.	29	23	2 E	Stanton....	Mar.	26	1901	.....	593
13	"	.....	100.	23	24	1	Madison....	Mar.	1	1870	996	.....
14	"	.....	33.	3	26	9	Holt.....	Aug.	21	1898	.....	464
15	Irrig.	.....	.71	17	10	6 E	Lancaster ..	Jan.	4	1899	.....	489
16	Pow'r	.....	3000.	19	15	10 E	Douglas....	July	9	1901	.....	626
17	"	.....	1250.	29	13	10 E	Sarpy.....	Oct.	31	1901	.....	689
18	"	3000	.....	19	15	10 E	Douglas....	June	12	1905	.....	643
19	"	.....	1000.	29	13	10 E	Sarpy.....	Sept.	12	1902	.....	*795
20	Irrig.	.....	.07	13	14	13 E	".....	June	18	1895	.....	687
21	Ice..	.....	10.	7	13	9 E	Saunders ...	Oct.	18	1897	.....	29
22	Pow'r	75	.....	32	22	1 W	Madison ..	.....	.....	.....	*998	.....
23	Ice ..	.....	10.	34	13	9 E	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 creek.	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
Brush creek...	Neb. Townsite Co ....	Perry .....	Brush ck. Pr. Co....	16
Brush ck E. Br.	McCarthy, M. H., et al.	O'Neill....	McCarthy No. 1. ...	17
Brush W. Br..	" .....	" .....	McCarthy No. 2. ...	18
Burton creek...	Mutz, Otto .....	Sp'gview...	Burton Ck Ditch..	19
" .....	Mutz, Otto .....	" .....	One Trip Ditch.....	20
Cottonwood ck.	Morrissey, Tim. ....	Dunlap....	Morrissey's Ditch..	21
" .....	Fendrick & Lichte....	" .....	Fendrick & Lichte Ditch.....	22
Crooked creek..	Mutz, Otto .....	Sp'gview...	.....	23
" .....	Mutz, Otto .....	" .....	Crooked Ck Ditch.	24
Cross creek....	Hutchison, W. H.....	Penbrook..	Hutchison.....	25
Cub creek.....	Tissue & Patterson...	Sp'gview...	Tissue & Patterson Ditch. ....	26
" .....	Josiassin, S .....	Meadville..	McCumber Ditch,..	27
Eagle creek....	Alfs, J. D.....	Ray.....	100 Foot D.....	28
" .....	Alfs, J. D.....	" .....	.....	29
" .....	Bokhof, W .....	Atkinson..	Bokhof Ditch.....	30
" .....	Robertson, J. A .....	" .....	Eagle Valley Ditch	31
Eagle C., So. Br	Becker, S. ....	" .....	Sam'l Becker Ditch	32

## 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
3	"	.....	.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	Pow'r	.....	15	23	33	13	Holt	Sept.	28	1898	.....	474
17	Irrig.	.....	.50	24	32	14	"	July	1	1894	264	.....
18	"	.....	.63	26	32	14	"	Aug.	15	1894	266	.....
19	"	.....	.57	19	34	19	Keya Paha	June	30	1895	608b	.....
20	"	.....	2.	2	33	20	"	Sept.	2	1895	.....	142
21	"	.....	.71	17	29	48	Dawes	Feb.	16	1895	481	.....
22	"	.....	.64	22	29	48	"	May	9	1896	.....	336
23	Pow'r	.....	3.	19	34	19	Keya Paha	Dec.	31	1889	608a	.....
24	Irrig.	.....	1.	19	34	19	"	June	30	1895	608a	.....
25	"	.....	.21	8	33	24	"	Sept.	1	1888	615	.....
26	"	.....	.03	16	33	22	"	June	30	1894	618	.....
27	Irrig.	.....	.10	28	33	22	Keya Paha	Aug.	15	1894	589	.....
28	"	.....	.43	2	30	13	Holt	Sept.	11	1894	276	.....
29	Pow'r	.....	1.	2	30	13	"	Sept.	11	1894	276	.....
30	Irrig.	.....	2.86	6	30	13	"	Sept.	18	1894	275	.....
31	"	.....	2.29	1	30	14	"	Mar.	15	1895	280	.....
32	"	.....	1.14	8	30	13	"	Nov.	30	1894	274	.....

## CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant	Post Office Address	Name of Ditch	
Fairfield creek	Kuhre, Wm. M.....	Norden ....	Kuhre's Pond.....	1
"	Kuhre, W. M.....	" .....	" .....	2
Holt creek....	Schoetger, F. J....	Enterprise ..	Schoetger Ditch... 3	
Holtcreek, E. Br.	Akers, J. W .....	Sp'gview... ..	Akers Ditch..... 4	
Horse Head ck.	Bruce, A .....	Penbrook ..	Bruce Ditch..... 5	
Huggins creek.	Soper, H. K.....	Enterprise ..	Soper Ditch .....	6
Jewett creek... ..	Jewett, C. P.....	Meadville..	B. L. Ditch..... 7	
Keya Paha R.	Yocum, J. C.....	Butte .....	Yocum's Ditch..... 8	
" ..	Bruce, Andrew & Son.	Naper. ....	Bruce Roller Mills. 9	
Kibbey creek... ..	Green, Martha, J. ....	Read.....	Green Ditch .....	10
Lewis Spring..	Lewis, R.....	Lutes .....	Lewis Ditch .....	11
Long Pine ck..	Kyner, S. H.....	Long Pine	Long Pine Pow'r Pl. 12	
Middle, E. Br..	McGuire, M. W.....	Norden ....	McGuire Ditch..... 13	
Middle, W. Br.	Allen, M. M.....	" .....	Allen Ditch..... 14	
"	Allen, M. M.....	" .....	Contin'nce Allen D. 15	
Minnechaduza..	Gilman, S. F. ....	Dv'port, Ia. ....	" .....	16
"	Morrissey, A. M.....	Valentine..	Minnechaduza D... 17	
Newman creek.	Newman, Philo.....	Norden ....	Newman Ditch..... 18	
Niobrara river.	Earnest, J. W.....	Harrison..	Earnest D. No 1... 19	
"	Earnest, J. W .....	" .....	Earnest D. No. 2... 20	
"	Richards, B.....	Chadron ..	Lakotah Ditch.... 21	
"	Bruce, A. ....	Penbrook	Bruce's Mill..... 22	
"	McGinley, A., et al.	Royville	McG. & S. Ditch... 23	
"	Kendrick, H. P., et al.	Marsland ..	Pioneer Ditches... 34	
"	McGinle., A.....	Royville. }	McG. & S. L'r S D. 25	
"	Cook, J. H.....	Agate.... }	" .....	
"	McLaughlin, A. H....	Marsland..	McLaughlin D..... 26	
"	Cook, Jas. H.....	Royville..	Cook D. Nos. 1 & 2. 27	
"	Seymour, W. W., et al.	Harrison... ..	Bigelow & Seymour 28	
"	Harris, O., Neece, R..	Belle.....	Harris & Neece D.. 29	
"	Palmer & Co.....	Marsland ..	Pioneer Ditches... 30	
"	Roll Mill Co.....	" .....	Roll Mill..... 31	
"	Hatch, G. W., et al..	H'm'ford... ..	Meridian Ditch.. 32	
"	Wood, J. C., et al... ..	Marsland ..	Enterprise Ditch. 33	
"	Furman, H. G.....	" .....	Furman Ditch .....	34
"	Hughes, John.....	" .....	Hughes Ditch..... 35	
"	Johnson, B. F.....	Harrison... ..	Johnson Ditch. .... 36	
"	McMannis, J. T, et al.	H'm'ford... ..	McM. & Neeland D. 37	

## 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	Pow'r	.....	25.	31	33	23	Brown	Sept.	1	1893	612	....
2	Irrig.	.....	.14	31	33	23	Brown	April	1	1894	612b	....
3	"	.....	.14	32	35	20	Keya Paha..	Feb.	23	1895	595	....
4	"	.....	.14	1	34	21	"	Aug.	1	1894	611	....
5	"	.....	.17	16	33	24	"	Sept.	7	1895	.....	149
6	"	.....	.14	21	35	20	Keya Paha..	Nov.	6	1894	592	....
7	"	.....	.71	5	32	21	"	Oct.	23	1894	590	....
8	"	.....	1.14	23	34	15	Boyd.....	Sept.	7	1894	573	....
9	Pow'r	.....	100.	24	34	16	"	Oct.	5	1903	.....	729
10	Irrig.	.....	.01	28	34	16	"	April	1	1904	.....	747
11	"	.....	.14	29	35	19	Keya Paha..	Aug.	30	1895	....	139
12	Pow'r	.....	45.	30	30	20	Brown.....	April	19	1906	....	817
13	Irrig.	.....	.71	32	33	23	Keya Paha	June	1	1884	606	....
14	"	.....	.50	29	33	23	"	June	1	1891	616	....
15	"	.....	1.	29	33	23	"	May	2	1904	.....	753
16	Pow'r	.....	35.	30	34	27	Cherry.....	Sept.	12	1896	....	359
17	"	.....	15.	33	35	30	"	April	24	1902	.....	662a
18	Irrig.	.....	.21	17	33	24	Keya Paha..	July	1	1888	617	....
19	"	.....	2.86	9	29	56	Sioux.....	May	1	1885	514a	....
20	"	.....	2.14	9	29	56	"	May	15	1891	514b	....
21	"	.....	7.14	1	30	57	"	Oct.	1	1883	554	....
22	Pow'r	.....	60.	16	33	24	Keya Paha..	April	1	1886	610	....
23	Irrig.	.....	8.21	25	29	56	Sioux.....	May	1	1887	513a	....
24	"	.....	7.14	36	29	51	Dawes.....	Aug	1	1887	442	....
25	"	.....	1.71	25	29	56	Sioux.....	May	1	1890	513b	....
26	"	.....	7.14	9	28	52	Box Butte..	May	1	1888	566	....
27	"	.....	3.54	1	28	56	Sioux.....	May	31	1891	980	....
28	"	.....	2	40	19	31	57	"	8	1891	510	....
29	"	.....	8.57	3	28	55	"	July	1	1892	517	....
30	Pow'r	.....	10.	31	29	50	Dawes.....	Aug.	1	1893	442	....
31	"	.....	35.	5	28	51	Box Butte..	Sept.	10	1893	970	....
32	Irrig.	.....	.57	25	29	50	Dawes.....	Jan.	10	1894	459	....
33	"	.....	5.71	28	29	50	"	Jan.	27	1894	461	....
34	"	.....	3.64	29	29	50	"	Feb.	2	1894	462	....
35	"	10.	.....	1	28	52	Box Butte..	.....	.....	.....	*987	....
36	"	.....	2.86	36	31	57	Sioux.....	May	1	1894	511	....
37	"	.....	.86	29	29	49	Dawes.....	June	15	1894	463	....

\*Pending.

## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Niobrara river.	Fienken, Chas.....	G. Rapids.....		1
"	McCully, S. J.....	Carns.....	McCully Ditch.....	2
"	Wilson, J. A.....	Spg'view..	Wilson Canal.....	3
"	Mirage, Irr. Co.....	Mirage.....	Mirage Canal.....	4
"	Lichte, H.....	Dunlap.....	Lichte Ditch.....	5
"	Warneke, H.....	Harrison.....	Warneke's Ditch..	6
"	McGinley & Stover..	Royville..	McG. & S. Upp. D..	7
"	Harris, Octave.....	Belle.....	La Belle Ditch.....	8
"	Snow, L.....	Marsland..	Snow Ditch.....	9
"	Vincent, D. C.....	".....	Excelsior Ditch.....	10
"	Bourrett, W.....	Harrison.....	Bourrett Ditch.....	11
"	Bourrett, P.....	".....	Bourrett Ditch Sr.	12
"	Hughes, J.....	Marsland..	Hughes Ditch.....	13
"	Harris, O.....	".....	La Belle Ditch.....	14
"	Bond & Tissot.....	Mirage.....	Ussher Canal.....	15
"	Allison, P.....	Marsland..	Moore Ditch.....	16
"	McConaughy, A. N..	Mirage.....	McCon. Dit. No.10.	17
"	Peters, H. A., et al..	Hay Spgs..	Hay Springs Can..	18
"	Irion Bros.....	Marsland..	Irion Ditch.....	19
"	Mettlen, J., et al.....	".....	Mettlen Ditch.....	20
"	McMannis & Neel'd..	H'm'ford..	McM. & Neeland D.	21
"	Armstrong, T. S.....	Butte.....	Armstrong Canal..	22
"	Hatch & Cross.....	H'm'ford..	Meridian Ditch..	23
"	Neeland, J. F.....	".....	Neeland Ditch.....	24
"	Bourrett, J. F.....	Harrison.....	Bourrett's Ditch..	25
"	Bourrett, J. S.....	".....	J. S. Bourrett D..	26
"	Hughes, John.....	Marsland..	Hughes D. Exten..	27
"	Montague, Jas.....	Dunlap.....	Montague Ditch..	28
"	Fendrich, B.....	".....	Chladek D.....	29
"	Fendrich, G. A.....	".....	Fendrich D.....	30
"	Fendrich, G. A.....	".....	".....	31
"	Cornell, C. H.....	Valentine..	Val. Pwr. P.....	32
"	Niob. Irr. & W.P. Co.	Niobrara..	Niob. I. & W. P. C.	33
"	Niob. Irr. & W.P. Co.	".....	".....	34
"	Plummer, FrankE....	Min'apolis	Niobrara Riv. P..	35
"	Craven T. K.....	Bloomfield.	Craven Niob. W. P.	36
"	Potmesil Bros.....	Dunlap.....	Potmesil Ditch.....	37
Niobrara and Pepper creek.	Taylor, D. T.....	Hay Spri'gs	Taylor's Ditch.....	38
Niobrara Riv..	Kay, John L.....	Marsland..	Kay Ditch.....	39
"	Peters, H. A.....	Hay Spri'gs	Williams D.....	40
"	Peters, H. A.....	".....	Peters D.....	41
Niobr'a, Snake, Boardman & Gordon.....	Benedict, E. H.....	O'Neill.....		42
Niobr'a, Snake, Boardman & Gordon.....	Benedict, E. H.....	".....		43
Pine creek.....	Clark, J.....	Rushville..	Pine Creek Mill....	44

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.		1.	12	33	16	Boyd	Oct.	1	1894	575	...
2 " "		8 57	25	32	20	Keya Paha	Aug.	7	1894	583	....
3 " "		5 71	18	32	21	"	Oct.	18	1894	591	....
4 " "		150.	26	29	48	Dawes	Nov.	28	1894	474	....
5 " "		1.43	27	29	48	"	Jan.	24	1895	479	....
6 " "		1.57	27	31	57	Sioux	Feb.	13	1895	505	....
7 " "		2.86	23	29	56	"	Feb.	25	1895	521	....
8 " "		2.	6	28	54	"	March	12	1895	518	....
9 " "		2.86	35	29	51	Dawes	March	26	1895	485	....
10 " "		2.86	10	28	52	Box Butte	May	15	1895	568	....
11 " "		2.	33	30	56	Sioux	June	8	1895	.....	4
12 " "		1.16	29	30	56	"	June	10	1895	.....	5
13 " "		.86	1	28	52	Box Butte	June	26	1895	.....	53
14 " "		3.14	6	28	54	Sioux	July	3	1895	.....	60
15 " "		1.16	19	29	46	Sheridan	July	17	1895	.....	82
16 " "		5.71	9	28	53	Sioux	July	22	1895	.....	88
17 " "		3.43	26	29	47	Dawes	Aug.	30	1895	.....	137
18 " "		14 29	29	29	47	"	Sept.	27	1895	.....	173
19 " "		5.	1	28	54	Sioux	March	29	1896	.....	257
20 " "		1.	4	28	54	"	April	27	1896	.....	292
21 " "		1.93	29	29	49	Dawes	April	9	1898	.....	448
22 Pow'r		150.	9	33	13	Boyd	May	14	1898	.....	452
23 Irrig.		5.14	25	29	50	Dawes	Aug.	29	1898	.....	469
24 " "		4.	31	29	48	"	Dec.	11	1899	.....	529
25 " "		1.	29	30	56	Sioux	March	5	1900	.....	542
26 " "		1.71	19	30	56	"	March	17	1900	.....	546
27 " "	10	.....	1	28	52	Box Butte	April	9	1900	.....	*556
28 " "		.43	27	29	48	Dawes	Sept.	27	1900	.....	575
29 " "		.30	26	29	48	"	March	18	1901	.....	607
30 " "		.29	32	29	48	"	June	1	1901	.....	616
31 " "		.29	32	29	48	"	June	1	1901	.....	617
32 Pow'r		1600.	27	34	27	Cherry	Jan.	29	1902	.....	652
33 " "		900.	34	32	7	Knox	July	1	1902	.....	679
34 Irrig.		21.43	34	32	7	"	July	1	1902	.....	680
35 I. & P.		L. 7.14	29	32	6	"	June	29	1903	.....	712
36 Pow'r		P1500.	3	31	7	"	July	6	1903	.....	713
37 Irrig.		834.	26	29	48	Dawes	May	19	1904	.....	757
38 " "		4.70	28	29	47	"	Aug.	8	1904	.....	766
39 " "		2.	6	28	53	"	May	12	1905	.....	791
40 " "		4.03	20	29	46	Sheridan	June	28	1905	.....	794
41 " "		4.03	20	29	46	"	July	3	1905	.....	793
42 Pow'r	2000	.....	13	31	41	"	Aug.	2	1906	.....	*831
43 Irrig.	880	.....	13	31	41	"	Aug.	2	1906	.....	*832
44 Pow'r		32.	33	30	44	"	June	5	1893	415	....

\*Pending.



## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Plum creek ....	Plum Ck. Irr. Co. ....	Johnstown.	Johnstown D. ....	1
" .....	Wilbert, R. ....	Ainsworth.	Wilbert Ditch. ....	2
" .....	Woods, M. J., et al.	Lincoln ....	Red Deer Lake C. .	3
Pole creek. ....	Julian, A. R., et al.	Gordon ....	Pole Ck. Ditch. ....	4
Rickman creek.	Byington, W. W. ....	Sp'gview. .	Byington Ditch. . .	5
Rock creek. ....	Rock Ck. I. & P. Co..	Mariaville.	Copeland Ditch. ....	6
" .....	Eastlick, B. J. ....	Carns. ....	Necessity Ditch. ....	7
" .....	Wile, H. ....	Mariaville.	Wile's Ditch. ....	8
Rock Spgs. ck. .	Van Koten, J. ....	Sp'gview. .	Van Koten Ditch. . .	9
" .....	Moore, W. S. ....	Meadville. .	Moore's Ditch. ....	10
Shobe Br ....	Lamb, A. J. ....	Spencer. . .	.....	11
Spring creek. .	Kuskie, A. K. ....	Sparks. ....	Garden Ditch. ....	12
Str., no name. .	Grant, C. G. ....	Winfield. . .	Grant Ditch. . . . .	13
" .....	Conger, C. K. ....	Norden ....	Conger Ditch. ....	14
Snider creek. .	Pickler, W. S. ....	Sp'gview. .	Olds Ditch. ....	15
Spotted Tail C.	Rhodes, J. G. ....	McLean. . .	Spotted Tail Dit. . .	16
Sweeny Can. ....	Hornback, J. ....	Sparks. ....	Canon Canal. ....	17
Turkey creek. .	La Rue, Chas. ....	Norden ....	Turkey creek D. . . .	18
" .....	La Rue, Chas. ....	Norden ....	Turkey ck. D. No. 2	19
Verdigris ck. .	Hanson, J. W. ....	Em'tbg, Ia.	Drayton Ditch. ....	20
Whistle creek. .	Miller, W. K. ....	Alliance. . .	Home Ditch. ....	21
" .....	Watson, Mat. ....	Lawn. . .	Whistle creek D. . .	22
Wooden Sp. Br.	Rhodes, F. J. ....	Sp'gview. .	Rhodes Ditch. ....	23
" .....	Rhodes, F. J. ....	" .....	" .....	24
Wyman creek. .	McCully, R. A. ....	Carns. ....	McCully Ditch. ....	25
" .....	Horton, I. ....	" .....	Horton Ditch. ....	26
Young creek. .	Lamb, A. J. ....	Rochester. .	Harvey & Lamb D. .	27

## 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.	.....	26.	4	29	24	Brown	Dec.	18	1894	405	....
2	"	.....	43	35	32	23	"	May	5	1896	.....	329
3	"	100	.....	22	30	27	Cherry	April	7	1906	.....	*816
4	"	.....	.57	28	32	40	"	June	29	1905	.....	799
5	"	.....	1.	22	32	20	Keya Paha..	May	19	1891	582	....
6	I.&P.	.....	6.43	33	32	18	Rock	Jan.	8	1895	394	....
7	Irrig.	.....	.35	29	32	18	"	Jan.	17	1895	395	....
8	"	.....	.86	9	31	18	"	April	3	1895	397	....
9	"	.....	.07	25	33	22	Keya Paha..	Jan.	1	1885	619	....
10	"	.....	1.43	12	32	2?	"	June	30	1887	593	....
11	"	.....	.14	30	33	11	Holt	July	6	1896	.....	322
12	"	.....	.08	27	34	25	Cherry	March	30	1900	.....	555
13	"	.....	.14	4	31	20	Rock	Jan.	1	1895	400	....
14	"	.....	10.	5	33	24	Keya Paha..	Sept.	16	1895	.....	158
15	"	.....	.01	31	33	19	"	May	1	1894	607	....
16	"	.....	.07	4	34	17	"	May	17	1895	601	....
17	"	.....	.21	29	34	25	Cherry	Aug.	10	1893	414	....
18	"	.....	.43	35	33	23	Keya Paha..	Feb.	9	1900	.....	539
19	"	.....	2.	35	33	23	"	May	11	1904	.....	754
20	"	.....	2.86	8	28	8	Antelope	Aug.	11	1894	248	....
21	"	.....	.86	13	28	54	Sioux	June	6	1895	.....	65
22	"	.....	1.	12	28	54	"	June	28	1895	.....	58
23	"	.....	.21	25	35	20	Keya Paha..	June	19	1899	.....	512
24	"	.....	.14	25	35	20	"	March	12	1900	.....	544
25	"	.....	.80	19	32	19	"	June	10	1891	604	....
26	"	.....	.14	17	32	19	"	June	5	1894	587	....
27	"	.....	.21	32	33	11	Holt	June	13	1896	.....	311

\*Pending.

## CLAIMS AND APPLICATIONS BY

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, Minerva 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
"	Serbousek, R.	Hay Spgs.	Serbousek Canal	16
"	Braddock, Wm.	Chadron	Lockler Ditch	17
"	Hyser, F. B.	Adaton	Hyser Ditch	18
"	Braddock, J. F.	Chadron	Braddock	19
"	Dietel, J. M.	Adaton	Dietel Canal	20
"	Rickman, A. W., et al.	Chadron	Cilek Ditch	21
"	Rickman, A. W.	"	Rickman Ditch	22
Bordeaux ck...	Locket, T. E.	"	Locket Ditch	23
"	Richards, H. B. J., et al.	"	Richards Ditch	24
"	Bryant, S. A.	"	Bryant's Ditch	25
"	Hall, O. W.	"	Hall's Ditch	26
"	Richards, H. B. J.	"	Richards Ditch	27
"	Mann, Wm.	"	Mann's Ditch	28
"	Adams, S. L.	"	Adams Ditch	29
"	County of Dawes.	"	County Ditch	30
"	Bacon, J. D.	"	Bacon Ditch	31
"	Morrissey, M.	"	Morrissey Canal	32
"	O'Donnell, J.	"	O'Donnell's Ditch	33
"	Nelson, P. B.	"	Nelson's Ditch	34
"	Nelson, P. B.	"	Nelson's Irr. Plant	35
"	Burns, Thomas, C.	"	Burns Ditch	36
"	Martens, Wm.	"	Martens Ditch	37
"	Martens, Wm.	"	Martens Ditch	38
Bordeaux, Lit.	Hartzell, S. and C.	"	Hartzell Canal	39
"	Butler, J. A.	"	Butler Ditch	40
"	Frady, C. H.	"	Frady Ditch	41
"	Collons, Jacob	"	Collins Res.	42
"	Good, J. W.	"	Good Ditch	43
Bull creek.....	Johnson, W. S.	Glen	Johnson D. No. 1.	44
Cedar Canyon..	Golden, T. F.	Adelia	Cedar Canon D.	45

## 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	"		.86	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	"	.75		13	32	51	"	Aug.	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	"		1.	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	"		.26	4	33	46	Sheridan	July	30	1895		330
16	"		.14	28	33	46	"	May	7	1896		332
17	"	2.		34	35	47	Dawes	May	14	1906	*1017	
18	"		.33	20	34	46	"	May	14	1896		303
19	"		.64	1	34	47	"	Nov.	14	1897		463
20	"		.29	32	34	46	Sheridan	April	11	1898		447
21	"		.36	4	33	46	"	June	19	1899		513
22	"		1.	9	33	46	"	July	2	1902		681
23	"		.07	11	32	48	Dawes	June	30	1886	494	
24	"		.14	36	33	48	"	Sept.	10	1890	430	
25	"		.29	14	33	48	"	Feb.	4	1891	434	
26	"		.07	15	33	48	"	Mar.	1	1891	47	
27	"		.36	36	33	48	"	Sept.	7	1892	446	
28	"		.23	25	33	48	"	Dec.	31	1892	975	
29	"		.14	2	32	48	"	Mar.	5	1893	450	
30	"		.14	23	33	48	"	July	31	1893	983	
31	"		.21	21	34	48	"	July	1	1894	445	
32	"		.08	15	33	48	"	Aug.	25	1894	491	
33	"		.36	9	34	48	"	Jan.	17	1898		432
34	"		.36	14	33	48	"	Oct.	19	1898		478
35	"		.36	14	33	48	"	Jan.	28	1899		494
36	"		4.29	36	33	48	"	Nov.	5	1900		584
37	"		1.43	21	34	48	"	Nov.	26	1902		695
38	"		.71	28	34	48	"	Sept.	22	1902		690
39	"		.57	13	33	48	"	June	1	1893	448	
40	"		.11	33	33	47	"	June	1	1894	443	
41	"	1.		30	33	47	"					*1009
42	"		.86	14	32	48	"	Feb.	27	1905		780
43	"	7.		29	33	47	"	March	6	1905		783
44	"		.29	7	30	53	Sioux	March	13	1895	519	
45	"		.43	16	33	53	"	March	1	1897		380

\*Pending.

## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Chadron creek.	Gallup, W. S. ....	Chadron. . .	Gallup's Ditch. ....	1
"	Wilson, H. M. ....	" .....	Tug Wilson Ditch..	2
"	Wilson, W. W. ....	" .....	Wallace Wilson D.	3
"	Record, A. A. ....	Hyannis. . .	Half Diamond E. D.	4
"	Mann Charles	Chadron .....	Mann's Ditch. ....	5
"	Frick, L. ....	" .....	" .....	6
Charcoal ck. . .	Weber, M. J. ....	Glen. ....	Klein Ditch. ....	7
Cottonwood ck.	Rasmussen, N. ....	Whitney ...	Rasmussen Ditch..	8
"	Rasmussen, N. ....	" .....	" .....	9
Rav.t'b.C't'dck	Carlson, A. A. ....	Crawford ..	Carlson Ditch. ....	10
"	Pilster, John A. ....	Whitney ...	Pilster Ditch. ....	11
Cotton'd Lit. . .	Stuart, Jno. T. ....	Crawford ..	Thos. Stuart D ...	12
"	Stuart, J. G. and J. T.	" .....	Stuart Bros. Ditch	13
"	Kusel, Wm. T. ....	Ewing ....	Kusel Ditch. ....	14
"	Simmons, Raner. ....	Whitney ...	Simmons Ditch. ....	15
"	Kusel, Wm. T. ....	" .....	Kusel Ditch No. 2.	16
"	Spearman, C. K. ....	Gretna. ....	Spearman Ditch. . .	17
"	Dunn, J. G. ....	Crawford. . .	Dunn's Ditch. ....	18
"	Stewart, J. W., et al..	" .....	Stewart & Maple D	19
"	Kusel, Wm T. ....	Whitney ...	Kusel & Spear'n D	20
Dead Horse ck.	Kemery, J. ....	Chadron .....	" .....	21
"	Woodruff F. B. & E. F.	" .....	Flag Butte D. ....	22
"	Goff, L. L. ....	" .....	Goff Ditch. ....	23
"	Harley, J. ....	" .....	" .....	24
"	Geiser, B. A. ....	" .....	Geiser Ditch. ....	25
"	Slattery, Roy A. ....	" .....	" .....	26
Deadman ck. . .	Phillips, W. S. ....	Crawford. . .	" .....	27
"	Phillips, W. S. ....	" .....	Phillips Ditch. ....	28
"	Porter, J. E., et al. . .	" .....	P. & Ras. Ditch. . .	29
"	Linderman, Con. ....	" .....	Linderman D. ....	30
"	Linderman, Con. ....	" .....	Linderman D. No. 2	31
Deep creek. ....	Green, M. H. ....	Glen. ....	Deep Creek Ditch. .	32
"	Green, M. H. ....	" .....	Green Ditch. ....	33
Dirty creek. ....	Wisdom, A. O. ....	Crawford. . .	Wisdom Ditch. ....	34
English creek. .	McDowell, E. C. ....	" .....	McD. Stor. Sys. ....	35
Hooker creek. . .	Uhlig, Max. ....	" .....	McMannis Ditch. . .	36
"	Alcorn, John. ....	" .....	Alcorn Ditch. ....	37
Indian creek. . .	Seegrift, I. ....	Whitney ...	" .....	38
"	Flood, M. F. ....	" .....	Flood Ditch. ....	39
"	Norman, Neils. ....	" .....	Norman Ditch. ....	40

## 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.		.08	15	33	49	Dawes	Dec.	20	1890	426	....
2	"		.20	12	32	49	"	July	13	1893	453	....
3	"		.07	12	32	49	"	July	14	1893	454	....
4	"		.57	1	32	49	"	June	17	1894	468	....
5	"		.43	24	32	49	Dawes	May	11	1896	....	299
6	"		.36	31	32	48	"	July	1	1897	....	396
7	"		.11	33	31	53	Sioux	Aug.	1	1882	982	....
8	"		2.29	10	33	52	Dawes	Mar.	8	1898	....	444
9	"		18.	10	33	52	"	Dec.	26	1899	....	528
10	"		1.	21	33	52	"	Sept.	20	1897	....	409
11	"		5.71	9	33	51	"	Dec.	9	1904	....	776
12	"		.36	8	32	52	"	Dec.	21	1890	425	....
13	"		2.86	8	32	52	"	June	10	1895	....	8
14	"		1.71	9	32	51	"	Oct.	16	1895	....	183
15	"		1.14	9	32	51	"	Sept.	12	1899	....	521
16	"		.43	8	32	51	"	May	19	1900	....	560
17	"		1.43	12	32	52	"	Jan.	9	1902	....	647
18	"		1.43	9	32	52	"	Jan.	14	1902	....	649
19	"		.86	3	32	52	"	March	10	1902	....	656
20	"		.71	8	32	51	"	June	30	1902	....	677
21	"		.01	32	32	49	"	Sept.	1	1890	492	....
22	"		.03	32	32	49	"	April	10	1891	427	....
23	"		.17	9	31	49	"	Aug.	27	1893	457	....
24	"		.01	32	32	49	"	Aug.	1	1894	488	....
25	"		2.29	17	32	49	"	March	18	1902	....	658
26	"		2.	32	33	49	"	April	6	1904	....	749
27	"		.57	19	30	52	"	May	8	1896	....	334
28	"		.21	18	30	52	"	March	19	1900	....	547
29	"		1.43	1	30	53	Sioux	May	29	1900	....	562
30	"		.29	18	30	52	Dawes	June	11	1900	....	564
31	"		1.14	7	30	52	"	Dec.	15	1900	....	592
32	"		.06	9	30	53	Sioux	May	1	1887	525	....
33	"		.29	9	30	53	"	Oct.	5	1895	....	203
34	"		.29	7	33	52	Dawes	Feb.	3	1898	....	435
35	"		3.	12	31	52	"	Oct.	24	1904	....	772
36	"		1.	7	31	51	"	Dec.	31	1889	492	....
37	"		1.21	31	32	51	"	Nov.	17	1905	....	803
38	"		.03	3	31	50	"	Nov.	1	1893	489	....
39	"		.07	33	32	50	"	Feb.	13	1894	460	....
40	"		2.	7	32	50	"	April	6	1900	....	554

## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Indian creek...	Boyer, F.....	Whitney...	Boyer Ditch.....	1
Indian ck. trib.	Kaiser, Omar A....	Coxville...	Kaiser Ditch.....	2
Kyle creek.....	Colville, David....	Glen.....	Kyle Cr. Ditch....	3
Larabee creek..	Davis, W. R.....	Rushville..	Davis Ditch.....	4
Lone Tree, S. Fk	Thomas, J. C.....	Whitney...	Thomas Ditch....	5
Madden creek..	Flannigan, F.....	Chadron...	Dams.....	6
"	Trier, Philip.....	"	Trier Ditch.....	7
Madden and North creeks.	Flannigan, O R....	"	Dams.....	8
Rush creek....	Braddock, H T....	"	Braddock Ditch....	9
"	Braddock, H. F.....	"	Braddock D. Exten	10
Sand creek, trib to L. Cotton'd	Metz, Scott.....	Crawford..	Bendix Ditch.....	11
"	Carlson, A. A.....	"	Carlson Ditch....	12
"	Carlson, A. A.....	"	Carlson's 2nd D..	13
"	Carlson & Rasmussen.	"	C & R Sand Ck D.	14
"	Arner, J. & H.....	"	Arner Ditch.....	15
"	Rasmussen, K.....	Whitney...	K. Rasmussen D..	16
Draw, trib of Sand creek...	Jordon, M. D.....	Adelia...	Jordon Ditch....	17
Saw Log, East.	Detrick, J. L....	Crawford..	Detrick's Ditch....	18
Sheridan creek.	Getchell, G. C....	Pine Ridge.	Getchell Ditch....	19
Soldier creek..	Rodgers, J. J.....	Crawford..	Rodgers Ditch....	20
"	Swanson, Geo.....	"	Swanson Ditch....	21
Spring Br, trib. White river..	Tucker, J. S.....	Glen.....	Tucker Ditch.....	22
Spring creek...	Forbes, J. D.....	Crawford..	Forbes D No 1...	23
"	Forbes, J. D.....	Crawford..	Forbes Ditch No. 2.	24
"	Moszeter, J. R.....	"	Moszeter Ditch....	25
"	Wolf, Ferdinand...	"	Wolf Ditch.....	26
Spg. ck, trib. of Lt Cot'd.....	Pinney, B. G.....	"	Spring creek Dit...	27
"	Balsler, R.....	Lusk, Wyo.	Spring ck. D. No.1.	28
"	Simmons, R.....	Whitney...	Simmons Ditch....	29

## 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.	.....	.86	28	32	50	Dawes	April	30	1900	.....	559
2	"	.....	.57	28	32	50	"	Feb.	15	1900	.....	540
3	"	.....	.57	3	30	54	Sioux	June	30	1882	522	....
4	"	.....	.43	16	34	44	Sheridan	Sept.	29	1896	.....	361
5	"	.....	1.	28	34	51	Dawes	April	29	1905	.....	789
6	"	.....	.57	26	35	49	"	July	11	1904	.....	763
7	"	.....	.....	6	34	48	"	Aug.	1	1906	.....	*830
8	"	.....	.57	31	35	48	"	Oct.	17	1904	.....	771
9	"	.....	3.	10	34	49	"	May	4	1903	.....	706
10	"	2	.....	11	34	49	"	May	31	1906	.....	*825
11	"	.....	.57	35	33	53	Sioux	Nov.	19	1895	.....	189
12	"	.....	1.	32	33	52	Dawes	Feb.	28	1898	.....	440
13	"	.....	8.	33	33	52	"	Dec.	26	1903	.....	736
14	"	.....	30.	32	33	52	"	Sept.	12	1904	.....	767
15	"	.....	2.59	26	33	53	Sioux	Jan.	12	1905	.....	779
16	"	.....	17.	3	32	52	Dawes	Jan.	8	1906	.....	811
17	"	.....	.50	31	33	53	Sioux	April	2	1900	.....	551
18	"	.....	.29	32	31	51	Dawes	April	8	1897	.....	382
19	"	.....	.07	27	34	45	Sheridan	Aug.	1	1894	418	....
20	"	.....	.14	5	31	53	Sioux	April	30	1883	546	....
21	"	.....	1.43	4	31	53	"	March	25	1905	.....	786
22	"	.....	.17	34	31	54	"	June	1	1883	557	....
23	"	.....	.57	20	32	52	Dawes	April	28	1902	.....	663
24	Irrig.	.....	.57	20	32	52	"	April	28	1902	.....	664
25	"	2.	.....	13	32	52	"	.....	.....	.....	*1014	....
26	"	.....	1.71	21	32	52	"	Jan.	15	1904	.....	739
27	"	.....	.86	13	32	52	"	May	10	1894	466	....
28	"	.....	2.	7	32	51	"	Dec.	1	1894	473	....
29	"	.....	.43	8	32	51	"	Jan.	3	1898	.....	426

\*Pending.



## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
Spring ck. trib. Lit. Cottonw'd	Spearman, C. K.....	Gretna.....	Spring ck. D. No. 1.	1
Spgs. trib. to D. Horse creek....	Goff, T. L.....	Chadron. ....	.....	2
Squaw creek... ..	Daniels & Stetson....	Crawford ..	Dan'ls & Stet. Dit..	3
“ .. ..	Cooper, Wm.....	“ .. ..	Cooper Ditch. ....	4
“ .. ..	Duncan, G. W.....	“ .. ..	Duncan Irr. Ditch..	5
“ .. ..	Barton, Albert G.....	“ .. ..	Barton Ditch.....	6
Trunk Butte C..	Smock, M.....	Whitney. ....	Smock's Ditch.....	7
W. Clay creek..	Davidson, J. E.....	Crawford..	McFarland Ditch..	8
“ .. ..	Hazleton, Wm. S. ....	“ .. ..	Hazleton Ditch.....	9
“ .. ..	White River Irr. Co..	“ .. ..	White River Ditch..	10
“ .. ..	Cooper, Wm.....	“ .. ..	Cooper Ditch. ....	11
“ .. ..	Brockway, Horace....	“ .. ..	Brockway Ditch....	12
“ .. ..	Pine Ridge Ind. Ag... ..	P. Ridge I Ag. S. D.	Pine Ridge Irr. D..	13
“ .. ..	Ball, R. M.....	Rushville ..	Ball's Irr. Plant... ..	14
“ .. ..	Hutzell, Levi.....	“ .. ..	Draper Ditch. ....	15
“ .. ..	“ .. ..	“ .. ..	Leach Ditch. ....	16
“ .. ..	“ .. ..	“ .. ..	Hammond Ditch....	17
“ .. ..	“ .. ..	“ .. ..	Talbot Ditch.....	18
“ .. ..	Rincker, H. C.....	Crawford ..	Rincker Ditch.....	19
“ .. ..	Hutzel, John C.....	Rushville ..	Hutzel Ditch. ....	20
“ .. ..	Brooks, Jas. N., et al.	“ .. ..	White Clay Mill Co	21
“ .. ..	Thornton, H. A.....	Crawford ..	Thornton Ditch....	22
W. Clay E. Br. W. Clay and Squaw ck....	Thornton, W. A .....	“ .. ..	E. White Clay D... ..	23
“ .. ..	White River Irr. Co..	“ .. ..	White River Irr. D	24
White River... ..	Jacobson, M.....	Glen.....	Jacobson Ditch... ..	25
“ .. ..	Hall, Leroy.....	Crawford ..	Hall's Mill.....	26
“ .. ..	Diedrickson, N.....	Glen.....	Diedrickson Ditch..	27
“ .. ..	Harris & Cooper.....	Crawford ..	Harris & Cooper D.	28
“ .. ..	“ .. ..	“ .. ..	“ .. ..	29
“ .. ..	“ .. ..	“ .. ..	“ .. ..	30
“ .. ..	Rasher, C.....	“ .. ..	Rasher Ditch.....	31
“ .. ..	Welling, N.....	“ .. ..	Welling Ditch .. ..	32
“ .. ..	Carpenter, E. J. & Co.	Whitney. ....	Carpenter Ditch... ..	33
“ .. ..	White River Irr. Co..	Crawford ..	White Riv. Irr. Co. D	34
“ .. ..	Hall, Leroy.....	“ .. ..	Hall's Ditch No. 2..	35
“ .. ..	Crawford Co.....	“ .. ..	Crawford Citizens C	36
“ .. ..	Swartz, E.....	Harrison..	Hughson Ditch.....	37
“ .. ..	Butterworth, J.....	Crawford ..	Butterworth Ditch..	38
“ .. ..	Force, Franklin. ....	Harrison..	Force's Ditch.....	39
Seepage near White River..	Mason, J. F.....	Glen.....	Mason's Ditch.....	40

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.	.....	5.	13	32	52	Dawes	April	7	1905	...	788
2	"	.....	.14	30	32	49	"	April	2	1891	441	...
3	"	.....	1.	19	31	51	"	June	17	1895	.....	27
4	"	.....	2.29	36	32	52	"	May	8	1896	.....	333
5	"	.....	.29	28	31	51	"	Sept.	6	1898	.....	465
6	"	.....	.43	20	31	51	"	April	2	1900	.....	552
7	"	.....	.07	26	32	50	"	June	28	1895	465	.....
8	"	.....	1.64	35	32	52	"	May	18	1891	960	.....
9	"	.....	1.14	13	31	52	"	May	15	1894	475	.....
10	"	.....	1.	35	32	52	"	Dec.	31	1894	477	.....
11	"	.....	4.	2	31	52	"	June	22	1895	.....	42
12	"	.....	1.	36	31	52	"	Feb.	27	1896	.....	256
13	"	4.78	.....	.....	.....	.....	Indian Res.	.....	.....	.....	*419	.....
14	"	.....	.50	23	33	45	Sheridan	May	29	1896	.....	305
15	"	.....	.21	13	33	45	"	May	29	1896	.....	306a
16	"	.....	1.	12	33	45	"	May	29	1896	.....	306b
17	"	.....	.21	14	33	45	"	May	29	1896	.....	306c
18	"	.....	1.43	14	33	45	"	May	29	1896	.....	306d
19	"	.....	1.43	11	31	52	Dawes	June	8	1901	.....	618
20	"	.....	.57	13	31	52	"	April	30	1903	.....	704
21	Pow'r	.....	27.	1	34	45	Sheridan	May	14	1904	.....	756
22	Irrig.	.....	1.14	24	31	52	Dawes	Oct.	24	1904	.....	773
23	"	.....	.19	12	30	52	"	Sept.	6	1897	.....	406
24	"	.....	8.	36	32	52	"	March	3	1902	.....	655
25	"	.....	.14	32	31	53	Sioux	Oct.	1	1882	561	.....
26	Pow'r	.....	24.83	34	32	52	Dawes	Sept.	10	1885	+478a	.....
27	Irrig.	.....	.21	1	30	54	Sioux	Sept.	1	1890	562	.....
28	"	.....	16.78	25	32	52	Dawes	March	9	1894	.....	.....
29	"	.....	1.57	25	32	52	"	June	15	1894	+464	.....
30	"	.....	.28	25	32	52	"	Oct.	31	1894	.....	.....
31	"	.....	1.14	19	32	51	"	June	20	1894	467	.....
32	I. & F	.....	.57	17	32	51	"	July	13	1894	469	.....
33	Irrig.	.....	2.86	1	32	51	"	Dec.	2	1894	+487	.....
34	I. & P	.....	8.71	35	32	52	"	Dec.	31	1894	+477	.....
35	Irrig.	.....	26.04	34	32	52	"	Jan.	10	1895	+478c	.....
36	"	.....	58.	23	31	53	Sioux	Feb.	13	1895	+501	.....
37	"	.....	.07	26	31	55	"	March	15	1895	444	.....
38	"	.....	.07	3	31	52	Dawes	May	7	1895	490	.....
39	"	.....	.03	31	31	54	Sioux	June	25	1895	.....	50
40	"	.....	.14	32	31	53	"	May	12	1896	.....	337

\*Pending. +Contest pending.

## CLAIMS AND APPLICATIONS BY

Stream	Name of Claimant	Post Office Address	Name of Ditch	
White River...	Lewis, L. C. ....	Harrison...	Lewis Ditch .....	1
" .....	Bartlett, A. M. ....	Chadron...	E. Jones Ditch.....	2
" .....	Schwabe, Lena .....	" .....	Schwabe Ditch.....	3
" .....	Wilkinson, Thos. ....	Crawford ..	Wilkinson Ditch...	4
" .....	Stewart, A .....	Whitney ..	Sandy Stewart D....	5
" .....	Thompson, H. ....	Crawford ..	Rasher Ditch.....	6
" .....	Zuen, A., et al.....	" .....	Zuen & Schmelzle D	7
" .....	Mecham, G. & C. S.			
" .....	R., et al .....	Whitney ..	Mecham Ditch.....	8
" .....	Schaffer & Blust.....	" .....	Schaffer & Blust D.	9
" .....	Rasher, Frank.....	Crawford ..	F. Rasher Ditch....	10
" .....	Roby, I. M. ....	" .....	Roby Ditch .....	11
" .....	Carlson, John .....	Whitney ..	Carlson Ditch.....	12
" .....	Village of Crawford...	Crawford ..	Crawford Pump Sta	13
" .....	Hebbert, Harry. ....	Chadron. ...	Hebbert Irr. Ditch..	14
" .....	Simmons & Harris Irr.			
" .....	Co.....	Whitney ..	S. & H. Irr. Co. D.	15
" .....	Rasher, Chas. E .....	Crawford ..	Ext. to C. Rasher D	16
" .....	Schwabe, August.....	Chadron. ...	Schwabe Ditch .....	17
" .....	" .....	" .....	Schwabe Power Pl..	18
" .....	Wright Bros.....	Whitney ..	Wright's Ditch .....	19
" .....	Schwabe, Aug .....	Chadron. ...	Schwabe Ditch .....	20
" .....	Roby, I. M. ....	Crawford ..	Roby Ditch.....	21
Canons' trib to				
White River.	Martens .....	Chadron.	Marten's Ditch....	22

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.		.21	27	31	55	Sioux	May	19	1896		340
2	"		1.29	18	34	48	Dawes	May	21	1897		391
3	"		1.14	25	34	49	"	June	24	1897		394
4	"		.86	24	32	52	"	Nov.	18	1897		421
5	"		.94	10	32	51	"	Jan.	8	1898		427
6	"		.50	19	32	51	"	May	23	1898		456
7	"		1.	19	32	51	"	Oct.	13	1898		475
8	"		2.86	17	32	51	"	March	15	1899		500
9	"		3.	10	32	51	"	Dec.	18	1899		525
10	"		1.43	19	32	51	"	Jan.	16	1900		534
11	"		.33	3	31	52	"	Oct.	3	1900		579
12	"		1.43	6	32	50	"	Nov.	26	1900		588
13	Pow'r		18.	3	31	52	"	March	30	1903		702
14	Irrig.		3.	34	33	50	"	May	11	1903		707
15	"		1.43	16	32	51	"	Oct.	26	1903		730
16	"		1.27	20	32	51	"	Feb.	5	1904		740
17	"		.57	24	34	49	"	June	13	1904		758
18	Pow'r		10.	24	34	49	"	June	13	1904		759
19	Irrig.		4.	16	32	51	"	Dec.	5	1904		775
20	"		.29	24	34	49	"	March	19	1906		815
21	"	.33		13	31	52	"	Sept.	13	1906		*838
22	"		.57	14	34	48	"	Dec.	26	1902		696

\*Pending.

## 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
Cedar creek ...	Schilt, C. E.....	" .....	Schilt's C. ck. Dit.	13
" .....	Valdez, M.....	" .....	Valdez Ditch.....	14
" .....	Plunkett, John. ....	" .....	Plunkett Ditch.....	15
Cherry creek...	Ruffing, M.....	Bodarc....	Cherry creek Dit. .	16
Hat creek .....	Brewster, B. E.....	Harrison...	W. Hat ck. Ditch..	17
" .....	Coffee, Chas. F.....	Bodarc....	C. F. Coffee Ditch..	18
" .....	Brewster, B. E.....	Harrison...	W. Hat ck. Ditch..	19
" .....	Miller, Wm.....	Bodarc....	Miller Ditch.....	20
" .....	Haas, Catharine.....	Gilcrisr ..	Haas Ditch .....	21
" .....	Antrim, Z. F.....	Bodarc....	Antrim's Ditch.....	22
" .....	" .....	" .....	Antrim Dam.....	23
Canon trib. to Hat creek....	Konrath, Jos.....	Montrose..	Konrath Ditch. ....	24
Draw trib. to Indian ck ...	Meier, Aug.....	Ardmore, S. Dakota..	Meier Dam.....	25
Jim creek.....	Daut, L.....	Harrison...	Daut Bros. Ditch..	26
" .....	Nolan, Jas.....	" .....	Woodruff's So. D..	27
" .....	Anderson, Nels. ....	" .....	Jim creek Ditch...	28
" .....	Slattery, Wm.....	" .....	Slattery Ditch.....	29
" .....	Slattery, Wm.....	" .....	" .....	30
Jim C. E. Fork.	Wassenberger, J. ....	Montrose..	Wessenberger Dit.	31
Halls Draw....	Geiser, Robt.....	Ardmore, S. Dakota..	Geiser Dam.....	32
Little Red ck...	Zerbst, R. ....	Harrison...	Zerbst Ditch. ....	33
Lickett creek...	Coffee, S. B.....	Bodarc....	Lickett Ditch.....	34
" .....	Coffee, S. B.....	" .....	" .....	35

## 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	"		.57	35	33	56	"	May	15	1885	507	....
14	"		.50	10	32	56	"	April	5	1886	976	....
15	"	1.	.....	4	32	56	"	June	18	1906	....	*826
16	"		.03	29	33	54	"	May	1	1893	549	....
17	"		.43	16	32	55	"	June	1	1880	553	....
18	"		4.29	26	33	55	"	Sept.	1	1881	512	....
19	"		.57	16	32	55	"	May	31	1886	553	....
20	"		.37	23	33	55	"	May	19	1896	....	341
21	"		.09	2	33	55	"	May	8	1899	....	510
22	"		.57	3	32	55	"	Dec.	24	1900	....	594
23	"	1.50	.....	3	32	55	"	Aug.	20	1906	....	*834
24	"		1.43	17	34	54	"	Dec.	28	1905	....	808
25	"		2.	24	35	55	"	Nov.	5	1900	....	585
26	"		.86	7	33	56	"	May	15	1889	981	....
27	"		.33	14	33	57	"	May	1	1890	536	....
28	"		.43	8	33	56	"	Dec.	15	1890	502	....
29	"		.29	13	33	57	"	May	31	1891	543	....
30	"		.86	13	33	57	"	June	12	1895	....	14
31	"		2.29	29	34	54	"	Oct.	13	1900	....	581
32	"		1.71	33	35	54	"	Nov.	5	1900	....	583
33	"		.14	25	33	56	"	May	1	1893	551	...
34	"		1.43	27	33	54	"	March	21	1900	....	549
35	"		.....	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. Dit.	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. ....	Gilcrist .....	Jordan Ditch.....	13
“ .....	Jordan, S. ....	“ .....	“ .....	14
“ .....	Nutto, F. ....	Harrison... ..	Nutto’s Ditch .....	15
“ .....	Carroll, M. J. ....	“ .....	Carroll Ditch .....	16
Sow Belly ck..	Zimmerman, W H. ....	Bodare .....	Zimmerman Ditch ..	17
“ .....	Jordan S. ....	Harrison... ..	Jordan Ditch .....	18
Spg. ck. trib.				
Sow Belly ...	Hall, W. S. and F. M.	Jerico....	Hall’s Sp. Ck. D... ..	19
Spg. ck. trib.				
Sow Belly ...	Schaefer, P. ....	Bodare .....	Spring Creek Ditch	20
Spg. ck. trib.				
Sow Belly ...	Hall, F. M. ....	Harrison... ..	Hall’s SpCk D No. 2	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. ....	“ .....	Dunn’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		
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		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	"	Aug.	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	"	Aug.	5	1895	100
30	"		.19	3	33	57	"	Jan.	22	1897	376
31	"		.50	10	33	57	"	July	23	1901	627

\*Pending.



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
Warbonnet ck. N Br of S B	Anderson, J.....	" .....	.....	5
Warbonnet ck. N Br of S B	Anderson, J.....	" .....	.....	6
Whitehead ck..	Harrison, R.....	Adelia ....	Harrison Ditch ...	7
Canyon trib. Whitehead C.	Raben, P. P.....	" .....	Raben Ditch.....	8
Canyon trib. Whitehead C.	Raben, P. P.....	" .....	" .....	9

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	"	.....	.71	30	33	56	" .....	May	31	1889	539a	....
6	"	.....	.29	30	33	56	" .....	Dec.	31	1891	539b	....
7	"	.....	.06	13	33	54	" .....	May	30	1888	547	...
8	"	.....	.57	19	34	53	" .....	May	21	1901	.....	615b
9	"	.....	.43	22	34	54	" .....	Nov.	24	1905	.....	804

## 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
“ .....	Schneider, Frank.....	“ ..	Elec. Light & P. Co.	2
Tekamah creek.	Glasson, Joseph.....	Tekamah...	Tekamah Roll Mills	3

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	"	.....	.25	34	29	5	" .....	March	25	1899	.....	509
3	"	all	.....	19	21	11 E	Burt.....	Sept....	17	1906	.....	*839

\*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 tables give 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.....	1898-1905	23500	30	3560	212000
“ .....	{ Camp Clarke.....	1897-1900	23560	0	3610	215000
“ .....	{ Bridgeport.....	1902-1905				
“ .....	North Platte.....	1895-1905	23720	20	3750	223000
Platte .....	Lexington .....	1902-1904	19500	0	2900	172000
“ .....	Columbus .....	{ 1896				
“ .....	“ .....	{ 1902-1905	51100	0	4830	288000
Loup.....	Columbus .....	1895-1905	25800	596	3350	199000
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.....	1902-1905	7000	505	815	48500
South Fork Republican	Benkelman .....	1903-1905	397	5	57	3400
Republican .....	“ .....	1903-1904	227	0	53	3140
Republican .....	{ Bostwick.....	1896-1899	24500	0	938	55800
“ .....	{ Superior.....	1901-1905			6	

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

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

*Drainage Area, 24,340 Square Miles.*

Month	1897				1898			
	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	65854	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	3136	1331130

\*Approximate.

Period 1898, 214 days.

Month	1899				1900			
	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.....	a14080	3155	9448	393510	a11900	4400	6582	169710
May.....	15290	4991	9649	593270	14800	9480	11672	717640
June.....	23500	10352	16025	953580	15800	5400	10737	638920
July.....	18085	4582	10823	665510	5320	1200	2689	165340
August.....	5197	1454	2964	182250	1157	395	713	43850
September.....	1316	584	844	50010	400	356	378	22490
October.....	2275	893	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,



TRI-STATE CANAL NEAR SCOTTSBLUFF.



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

*Drainage Area, 24,400 Square Miles.*

Month	1901				1902			
	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	2649	4346	267230
June.....	a12120	4560	7378	321950	6877	2703	4915	292460
July.....	b4530	1048	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.....	520	235	384	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, 226 days.				

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.....					a1667	340	867	39550
February.....					b1830	820	1029	24490
March.....					c2175	1200	1632	84160
April.....	5070	1600	2862	170290	2981	710	1511	89910
May.....	a6310	3410	4507	268200	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 26 days. Period 1904, 336 days.				

NORTH PLATTE RIVER AT MITCHELL, NEBRASKA.—*Concluded.*

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.....	2036	935	1239	76180	.....	.....	.....	.....
April.....	9600	1480	3573	212600	.....	.....	.....	.....
May.....	14300	7150	10010	615500	.....	.....	.....	.....
June.....	16800	7700	12760	759300	.....	.....	.....	.....
July.....	8300	1480	3594	221000	.....	.....	.....	.....
August.....	2260	520	1296	79690	.....	.....	.....	.....
September.....	670	380	420	24990	.....	.....	.....	.....
October.....	670	380	460	28280	.....	.....	.....	.....
November.....	.....	.....	.....	.....	.....	.....	.....	.....
December.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>For the period.</b>	<b>16800</b>	<b>380</b>	<b>4153</b>	<b>2018000</b>	.....	.....	.....	.....

Period 1905, 245 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	440389
July.....	a2886	977	1554	95330	4305	930	2147	132015
August.....	b1316	628	924	56560	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	1630	97040	a11030	2648	6659	343400
May.....	17000	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 Feet
	Max.	Min.	Mean	
January .....				
February .....				
March .....				
April .....	α8400	2910	5328	242720
May .....	14000	8195	10379	658110
June .....	14275	3960	9771	581320
July .....	4000	770	2227	140840
August .....	900	230	471	28960
September .....	425	180	289	17190
October .....	600	200	369	23740
November .....				
December .....				
For the period .....	14275	180	3850	1580650

α 23 days. Period 1900, 207 days.

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.....	a6200	2170	4149	205710	7920	3460	5530	339980
June.....	6200	1580	4267	253900	10500	3780	7664	456080
July.....	4000	290	1200	73770	6700	825	2837	174420
August.....	b930	60	244	13080	1365	90	589	36210
September..	c680	0	162	8990	420	0	195	11590
October.....	d680	290	559	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.  
Period 1902, 171 days.

a 12 days. Period 1903, 226 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	2255	6313	388200	14700	9225	11710	720000
June.....	12190	6648	9630	573000	17700	9225	14430	858600
July.....	6900	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	685	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.

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.....	963	175	492	30253	1860	460	919	56507	
September.....	455	150	241	14380	1240	550	857	50995	
October.....	1389	200	810	49804	2509	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	2876	176839	1413	80	353	21705	
September.....	850	422	609	36238	984	50	352	20945	
October.....	3878	486	1132	69604	697	254	471	28961	
November.....	4112	743	2152	128053	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				1900			
	Discharge in Second Feet			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	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				1902			
	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 . . . . .	9900	1320	3260	200470	α4050	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	6300
September . . . . .	1800	565	1068	63560	1800	100	481	28600
October . . . . .	1320	670	1121	68900	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.  
Period 1902, 265 days.

α 16 days.





ESTIMATED MONTHLY DISCHARGE OF PLATTE RIVER AT  
LEXINGTON, NEBRASKA.*Drainage Area, 53,300 Square Miles.*

Month	1902				1903			
	Discharge in Second Ft.			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January .....								
February .....								
March .....								
April .....	a2820	1680	2212	74625	9060	2220	3892	231643
May .....	14672	1950	5492	337598	7510	1950	5200	319710
June .....	b8748	1842	5135	264829	12190	2520	6471	385070
July .....	c5692	0	2234	119650	9060	1090	3710	228070
August .....	565	0	27	1666	2220	275	1009	62070
September .....	2780	0	302	17971	1260	0	239	14250
October .....	1896	640	1191	73215	1950	390	1140	70060
November .....	d1226	465	961	15243	a2220	1090	1499	47580
December .....								
For the period.	14672	..	2204	904797	12190	0	2978	1358430

a 23 days.  
26 days.c 27 days.  
d 8 days.Period 1902, 207 days.  
Period 1903, 230 days.

a 16 days.

Month	1904				1905			
	Discharge in Second Ft.			Total in Acre Ft.	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean		Max.	Min.	Mean	
January .....								
February .....								
March .....								
April .....	2000	1000	1218	72480				
May .....	10700	1025	4295	264100				
June .....	19500	7700	12570	748000				
July .....	7700	1350	4071	250300				
August .....	2000	0	760	46730				
September .....	1350	0	266	15830				
October .....	2700	750	1662	102200				
November .....	3100	1600	2392	142300				
December .....								
For the period.	19500	0	3404	1642000				

Period 1904, 244 days.

ESTIMATED MONTHLY DISCHARGE OF PLATTE RIVER AT  
COLUMBUS, NEBRASKA.*Drainage Area, 56,820 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.....								
May.....								
June.....	a27200	5170	14027	751210	a14900	4320	7510	402170
July.....	9315	1380	3684	226540	4490	0	1629	100160
August.....	1340	96	722	44400	2375	0	423	26020
September.....					0	0	0	0
October.....					2500	188	644	39880
November.....					b3535	620	2169	60240
December.....								
For the period.....					14900	0	1932	628470
a 22 days.	Period 1896, 164 days.				a 27 days.	b 14 days.		

Month	1897				1898			
	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.....					a2700	500	1477	41020
May.....	a21600	6700	11800	655400	10700	1500	5850	359760
June.....	31100	5500	16910	1006330	24600	5100	11280	671120
July.....	b8200	2000	3950	133190	b6100	500	1520	30150
August.....	c4900	1400	3520	104730				
September.....	*							
October.....	d1600	1400	1500	11900				
November.....								
December.....								
For the period.....								
a 28 days.	d 4 days.				a 14 days.	b 20 days.		
b 17 days.	* no record.							
c 15 days.								

PLATTE RIVER AT COLUMBUS, NEBRASKA.—*Continued.*

Month	1899				1900			
	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	3600	8675	464560	a14530	1594	5584	254760
May .....	25770	4700	10373	637840	29440	7300	19040	1170710
June .....	25540	5000	13430	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.

Month	1901				1902			
	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 .....	a2436	1799	2060	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.—*Concluded.*

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	3300	9160	563150	a8550	1250	4128	
June.....	21600	4000	3483	504780	18190	7760	12880	
July.....	13550	2320	5846	359520	12500	1520	6888	
August..	6375	1350	3507	215650	2075	0	451	
September....	4750	190	1174	69900	41	0	3	
October.....	1095	190	616	37710	4995	0	1037	
November.....	3100	1095	1926	114590	b1000	1000	1000	
December.....	.....	.....	.....	.....	.....	.....	.....	
For the period.	21600	190	4729	2448950	18190	0	3800	
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	.....	.....	.....	
May.....	47200	10420	19360	1190000	.....	.....	.....	
June.....	51100	24050	31180	1855000	.....	.....	.....	
July.....	34700	1730	10770	662200	.....	.....	.....	
August.....	8040	0	3217	197800	.....	.....	.....	
September....	8780	0	2978	177200	.....	.....	.....	
October.....	3180	0	604	37140	.....	.....	.....	
November.....	.....	.....	.....	.....	.....	.....	.....	
December.....	.....	.....	.....	.....	.....	.....	.....	
For the period.	51100	0	10415	4730000	.....	.....	.....	
a 15 days.	Period 1905, 229 days.							

## ESTIMATED MONTHLY DISCHARGE OF LOUP RIVER AT COLUMBUS, NEBRASKA.

*Drainage Area, 3,542 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.....	3675	2303	2754	163850	7018	1970	4078	242660	
May.....	4420	2600	2966	182400	4807	2310	2985	183560	
June.....	7190	2337	3591	213700	<sup>a</sup> 8000	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.....	<sup>a</sup> 3643	2562	3011	137370					
December.....									
For the period.	7190	1446	2688	1263570	8000	1928	2939	1236090	
<sup>a</sup> 23 days. Period 1905, 237 days.				<sup>a</sup> 28 days. Period 1906, 212 days.					
Month	1897				1898				
	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.....	<sup>a</sup> 7125	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.....	<sup>b</sup> 10400	1600	3422	203610	2900	2025	2477	152290	
November.....					<sup>a</sup> 2900	2450	2669	63520	
December.....									
For the period.	11825	1000	2574	1056890	6675	1460	2752	1233490	
<sup>a</sup> 24 days. <sup>b</sup> 30 days. Period 1897, 207 days.				<sup>a</sup> 12 days. Period 1898, 226 days.					

## LOUP RIVER AT COLUMBUS, NEBRASKA.—Continued.

Month	1899				1900			
	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.			

Month	1901				1902			
	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.....	a3134	2621	2871	45560	a4101	2500	3343	159160
April.....	4681	2573	3254	193650	3206	1976	2409	143370
May.....	2743	1847	2346	14428	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.—*Concluded.*

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	4690	5550	209320	a5400	3130	3715	140000	
April.....	4740	3400	4027	239650	4300	2740	3343	198900	
May.....	6500	2870	4085	25115 <sup>b</sup>	6500	1930	3031	186400	
June.....	6060	2150	3188	189680	20000	2150	4364	259700	
July.....	15750	2040	3942	242400	11750	2150	4266	262300	
August.....	20000	226 <sup>b</sup>	5372	330350	3890	1660	2380	146300	
September.....	3550	2380	2763	164410	4960	1660	2392	142300	
October.....	3710	2380	2796	17195 <sup>b</sup>	9750	1660	2941	180800	
November.....	b5840	262 <sup>b</sup>	3664	203570	b2500	1510	1961	101100	
December.....									
For the period.	20000	2040	3868	2002220	20000	1510	3155	1618000	
a 19 days. b 28 days.				a 19 days. b 28 days.					
Period 1903, 261 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					
May.....	19680	5150	8665	532800					
June.....	20000	3725	8117	483000					
July.....	25800	2900	9067	557500					
August.....	19190	5050	6949	427300					
September.....	14600	2400	5637	335400					
October.....	5600	3180	4082	251000					
November.....	5850	2600	4389	261200					
December.....									
For the period	25800	2400	6471	3324000					
a 15 days. Period 1905, 259 days.									

ESTIMATED MONTHLY DISCHARGE OF MIDDLE LOUP RIVER  
AT ST. PAUL, NEBRASKA.*Drainage Area 6,849 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								
May	a1666	933	1173	62820	2430	900	1364	81150
June	2987	820	1396	83080	a2250	1215	1154	70940
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	374090	2430	722	1188	501960

a 27 days.

b 6 days.

Period 1895, 186 days

Period 1896, 213 days.

a 29 days.

1897					1899			
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.

Period 1899, 196 days.

a 13 days.

b 30 days.



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

1903

Month	Discharge in Second Feet			Total in Acre Feet
	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 .....	115' 0	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.....	.....	.....	.....	.....	.....	.....	.....	.....	
May.....	a1962	842	1189	63690	3707	779	1304	77580	
June.....	1962	987	1531	91120	2327	570	1040	63910	
July.....	1108	437	865	53150	2825	1139	1488	88530	
August.....	1787	593	984	60480	1460	923	1102	67760	
September.....	3991	648	1094	65080	1072	835	904	55600	
October.....	1953	842	1146	70440	1016	835	913	54330	
November.....	b1857	566	1015	42280	1220	837	958	58910	
December.....	.....	.....	.....	.....	.....	.....	.....	.....	
For the period.	3991	437	1119	446230	3707	570	1099	466620	
a27 days	Period 1895, 201 days.								
b21 days	Period 1896, 214 days.								
1897					1899				
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.....	.....	.....	.....	.....	.....	.....	.....	.....	
For the period.	2550	570	897	345040	7500	118	1128	440740	
a 11 days.	Period 1897, 194 days.								
b 29 days.	Period 1899, 197 days.								
c 30 days.	a 13 days.								

NORTH LOUP RIVER AT ST. PAUL, NEBRASKA.—*Concluded.*

1903

Month	Discharge in Second Feet			Total in Acre Feet
	Max.	Min.	Mean	
January .....				
February .....				
March .....				
April.....	a1980	1070	1272	40380
May .....	b1980	890	1276	75930
June.....	1700	750	1089	64800
July.....	c4500	700	1170	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 30 days. c 29 days. Period 1903, 199 days.

## ESTIMATED MONTHLY DISCHARGE OF ELKHORN RIVER AT NORFOLK, NEBRASKA.

*Drainage Area, 2,474 Square Miles.*

Month	1896			Total in Acre Ft.	1897			Total in Acre Ft.
	Discharge in Second Feet				Discharge In Second Feet			
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....								
April.....								
May.....					940	320	533	32800
June.....					370	255	302	17950
July.....	a 321	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	209	12830
November.....	b 313	298	305	2420				
December.....								
For the period.	570	155	263	45100	940	115	276	100680

a 16 days. b 4 days. Period 1896, 112 days.

Period 1897, 184 days.

Month	1898			Total in Acre Ft.	1899			Total in Acre Ft.
	Discharge in Second Feet				Discharge In Second Feet			
	Max.	Min.	Mean		Max.	Min.	Mean	
January.....								
February.....								
March.....								
April.....	500	405	464	27620	a 553	427	503	23930
May.....	1470	405	704	43260	1750	374	745	45830
June.....	c 1380	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.....	a 280	185	236	13560	237	180	217	13320
November.....	b 335	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.*

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 .....	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 .....	6380	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.

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 .....	6644	544	591	21100	64500	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	5000	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 .....	6701	362	483	22010	6280	180	217	6890
December .....								
For the period.	2750	259	653	330300	8000	180	1157	580810

a 18 days.

Period 1902, 255 days.

b 23 days.

Period 1903, 253 days.

a 23 days.

b 16 days.



ELKHORN RIVER AT ARLINGTON, NEBRASKA.—*Concluded.*

1903

Month	Discharge in Second Feet			Total in Acre Feet
	Max.	Min.	Mean	
January .....				
February .....				
March .....	<i>a</i> 4800	3890	4253	59080
April .....	3510	1064	1936	115220
May .....	<i>b</i> 7665	1410	3984	237660
June .....	8510	1945	4302	257030
July .....	4650	1178	2516	154710
August .....	<i>b</i> 8670	1290	3567	212230
September .....	7565	1380	3025	193400
October .....	2515	1320	1884	115850
November .....	<i>c</i> 1945	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 NIOBRARA 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	1860	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.



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

*Drainage Area, 5,910 Square Miles.*

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.....	.....	.....	.....	.....	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

Month	Discharge in Second Feet			Total in Acre Ft.
	Max.	Min.	Mean	
January.....	.....	.....	.....	.....
February.....	.....	.....	.....	.....
March.....	a249	96	159	4730
April.....	300	52	141	8390
May.....	137	52	100	6149
June.....	283	21	68	4046
July.....	152	5	35	2152
August.....	b96	21	47	1212
September.....	.....	.....	.....	.....
October.....	.....	.....	.....	.....
November.....	.....	.....	.....	.....
December.....	.....	.....	.....	.....
For the period.....	300	5	90	26681

a 15 days. b 13 days \* Approximate.  
 Period 1905, 150 days.

ESTIMATED MONTHLY DISCHARGE OF THE REPUBLICAN  
RIVER AT BENKELMAN, NEBRASKA

*Drainage Area, 3,965 Square Miles.*

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 .....					111	46	89	5478
April .....					124	30	64	3862
May .....	a71	47	53	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.

\*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	1 30	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.	Period 1896, 194 days.				a 25 days.			
b 30 days.	Period 1897, 208 days.							
c 29 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 .....	a 2130	490	755	16490	a 956	601	706	18250
May .....	1870	500	1053	64747	842	375	578	34393
June .....	2030	560	1235	73487	1800	292	511	31420
July .....	1345	220	479	29453	4036	141	531	31597
August .....	380	100	195	11990	1384	209	458	28162
September .....	380	100	195	11990	868	136	303	18631
October .....	470	185	289	17197	102	6	50	2975
November .....	365	145	264	16233	101	24	53	3259
December .....	b 470	320	382	14395				
For the period.	2130	100	574	243992	4036	6	375	168687
a 11 days.	Period 1898, 214 days.				a 13 days			
b 19 days.	Period 1899, 227 days.							
* 1898-1902, gagings made at Superior.								

\*REPUBLICAN RIVER AT SUPERIOR AND BOSTWICK, NEBRASKA—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.....	<i>a</i> 1278	24	178	5650	856	5	70	4304
September.....	.....	.....	.....	.....	4941	10	1245	74142
October.....	.....	.....	.....	.....	1490	283	443	27239
November.....	.....	.....	.....	.....	1030	312	419	24932
December.....	.....	.....	.....	.....	.....	.....	.....	.....
For the period.....	.....	.....	.....	.....	4941	5	470	225810
<i>a</i> 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.....	<i>a</i> 920	330	644	29380	<i>a</i> 7750	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.....	<i>b</i> 12490	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
<i>a</i> 23 days.	Period 1902, 233 days.							
<i>b</i> 27 days.	Period 1903, 262 days.							
* 1896-1902, gagings made at Superior.								

\*REPUBLICAN RIVER AT SUPERIOR AND BOSTWICK, NEBRASKA—*Concluded.*

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.....					a 1210	930	1082	21460
April.....					1870	760	1060	63070
May.....					7130	975	1927	118500
June.....	a 4630	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.

Period 1905, 224 days.

a 10 days.

\*1896-1902 gagings made at Superior.

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 1906, 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	" " "
Ash creek. . . . .	Above Spraggs' Dam 10-31-17. . . . .	" . . . . .	June 20, '98	2.19	Tributary Niobrara riv.
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	" " "
Beaver creek. . . . .	Genoa . . . . .	O. V. P. Stout. . . . .	Sept. 7, '94	71	Tributary Loup river.
" " . . . . .	" . . . . .	" . . . . .	July 14, '96	1.10	" " "
" " . . . . .	" . . . . .	W. J. McEathron. . . . .	Aug. 14, '96	112.2	" " "
" " . . . . .	" . . . . .	O. V. P. Stout . . . . .	June 21, '98	149.7	" " "
" " . . . . .	" . . . . .	" . . . . .	Aug. 8, '00	50.18	" " "

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
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	" " "
" "	At Hyser's 20-44-46.	C. B. Channel	May 22, '99	8.97	Tributary White river.
" "	Genoa	O. V. P. Stout	July 12, '01	74.7	"
" "	Genoa	O. V. P. Stout	July 30, '01	85.5	"
" "	Albion	B. E. Forbes	Dec. 3, '01	92.3	"
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	"
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	"
Blue creek		U. S. Geol. Sur.		105	Tributary No. Platte R.
" "	N. E. ¼ 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	"



SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
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.
" "	"	"	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	
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, '91	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	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Boggy creek.....	N. line sec. 31-33-54..	A. B. McCoskey ....	May 24, '99	.05	.....
Bone 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	.....
Brush creek.....	Sec. 23-33-13.....	P. T. Francis .....	Aug. 14, '02	25.0	.....
“ “ .....	Sec. 26-32-14.....	G. W. Bates.....	Apr. 27, '05	10.1	.....
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	.....
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	.....
“ “ .....	Cedar Rapids.....	“ .....	July 21, '96	212	.....
“ “ .....	Ericson. ....	W. J. McEathron...	Mar. 16, '95	152	.....
“ “ .....	“ .....	“ .....	June 1, '95	214	.....
“ “ .....	“ .....	“ .....	Aug. ..., '95	112.1	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Cedar river	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 R., dry 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	
Chimney creek	Sec. 6-32-22	G. W. Bates	May 7, '05	.78	
Cedar 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.
" "	At Schlademans 5-14-34	C. B. Channel	Dec. 16, '99	3.40	Lincoln County.
" "	Sec. 29-16-41	H. O. Smith	Aug. 8, '01	10.7	
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	" " "

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Cocn creek.....	Above Winterer's D. 34-15-37....	C. B. Channel.....	May 19, '98	.78	.....
Coldwater creek..	Sec. 26-18-46.....	".....	May 25, '98	2.93	.....
Crooked creek....	Head Mutz D. sw $\frac{1}{2}$ 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. 7-1-5.....	".....	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 Slatery's D. sec. 32-33-49....	".....	May 17, '99	3.98	.....
Deer creek.....	Sec. 22-30-43.....	A. B. McCoskey....	June 1, '98	12	.....
" ".....	Sw $\frac{1}{2}$ 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	.....	

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Eagle creek	Sec. 9-30-13	Geo. W. Bates	Apr. 25, '05	25.2	
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	
"	Ewing	O. V. P. Stout	Sept. 3, '97	9.77	
"	"	C. B. Channel	Aug. 18, '98	53.52	
"	Arlington	Forbes & Stevens	Mar. 19, '02	771.2	
"	Norfolk	J. C. Stevens	Mar. 21, '02	570	
"	"	"	Apr. 13, '02	534	
"	Arlington	"	Apr. 14, '02	920	
"	"	"	Apr. 14, '02	928	
"	Norfolk	"	May 12, '02	483	
"	"	"	June 16, '02	551	
"	Arlington	"	June 17, '02	743	
"	Norfolk	"	July 3, '02	1376	
"	Arlington	"	July 7, '02	4364	
"	"	"	Aug. 22, '02	1388	
"	Norfolk	"	Aug. 22, '02	365	
"	"	"	Aug. 22, '02	296	
"	Arlington	"	Sept. 10, '02	805	
"	"	"	Sept. 29, '02	2497	



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.....	Aug. 22, '02	170	
" "	" " " ".....	" " " ".....	Sept. 29, '02	242	
" "	" " " ".....	" " " ".....	Nov. 14, '02	118	
" "	Norfolk.....	" " " ".....	May 24, '03	386	
" "	" " " ".....	" " " ".....	May 25, '03	498	
" "	" " " ".....	G. W. Bates.....	Apr. 17, '06	523	
Elkh'n river, S. Br	" " " ".....	O. 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. 3-3-19, below dam.....	" " " ".....	Sept. 24, '01	6	
" "	2 miles below dam.....	" " " ".....	Sept. 24, '01	.5	
Frenchman river	Sec. 33-4-32.....	O. V. P. Stout.....	June 19, '96	26.3	
" "	Culbertson.....	E. T. Youngfelt.....	June 19, '96	13.4	
" "	" " " ".....	U. S. Geol. Sur.....	Nov. 25, '92	177	
" "	" " " ".....	O. V. P. 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	" "
" "	Maranville.....	E. D. Johnson.....	July 8, '99	19.33	

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

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Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Frenchman river	Head Maranville D. 12-6-41.....	A. B. McCosky.....	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	"
"	"	"	"	"	"
"	Champion.....	"	June 29, '04	45.0	"
"	"	"	"	"	"
"	Palisade.....	"	June 30, '04	240.0	"

REPORT OF SECRETARY



SUMMARY OF ALL STREAM MEASUREMENTS--Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
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	" " "
Horse creek	B. & M. Ry. crossing	E. T. Youngfelt	June 16, '96	.22	Dundy County
" "	Sec. 11-1-39	W. A. Channel	Nov. 22, '00	1.20	" "
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	

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
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.
Jim creek.....	Ab. Woodruff'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. $\frac{1}{4}$ 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. Wills.....	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	.....
“ “	Redington.....	“.....	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	.....
“ “ “	4 miles west of Kimball.....	E. D. Johnson.....	Aug. 9, '99	7.43	.....
“ “ “	1 mile west of Kimball.....	“.....	Aug. 9, '99	2.41	.....
“ “ “	$\frac{1}{2}$ mile east of Kimball.....	“.....	Aug. 11, '99	2.04	.....
“ “ “	$\frac{1}{4}$ mile above Kinney Ditch.....	“.....	Aug. 10, '99	6.52	.....

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Lodge Pole creek.	Above Young's Ditch .....	E. D. Johnson .....	Aug. 10, '99	15.57	.....
" " "	Sec. 33-14-49.....	" .....	May 15, '00	3 86	.....
" " "	¼ mile west Jones dam 34-14-49..	" .....	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	.....
" " "	Sec. 33-14-49.....	" .....	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	.....
" " "	Chappell.....	" .....	Oct. 18, '00	3.11	.....
" " "	Sidney.....	H. O. Smith.....	July 1, '01	6.7	.....
" " "	Sec. 9-14-51.....	" .....	July 1, '01	5.6	.....

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Lodge Pole creek.	Sec. 29-14-48.....	H. O. Smith	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. 24, '03	12.6	Head McIntosh Ditch.
" " "	Sec. 26-15-56.....	"	Apr. 25, '03	16.6	Head Hurly, Lilly & Polly.
" " "	Head Bay State Ditch.....	"	May 25, '03	4.4	
" " "	Sec. 35-15-56.....	"	May 27, '03	31.3	Head Polly Ditch.
" " "	Sec. 25-15-56.....	"	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's 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	

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

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Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Lodge Pole creek	Sec. 10-14-51.....	H. O. Smith.....	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	.....
" " "	" " ".....	" " ".....	Apr. 30, '04	12.4	.....
" " "	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	.....
" " "	" " 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	.....

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Long Pine creek	Long Pine .....	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	.....
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 $\frac{1}{2}$ 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	.....

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Loup river, Mid.	Boelus.....	Adna Dobson.....	May 28, '97	837	
" " "	St. Paul.....	B. E. Forbes.....	May 23, '02	1538	
" " "	" ".....	J. C. Stevens.....	May 14, '03	1764	
" " "	" ".....	" ".....	June 2, '03	2772	
" " "	" ".....	" ".....	July 16, '03	1724	
" " "	" ".....	" ".....	Aug. 11, '03	1732	
" " "	" ".....	" ".....	Sept. 7, '03	2194	
" " "	" ".....	" ".....	Sept. 16, '03	1364	
" " "	Seneca.....	R. D. Hubbard.....	May 24, '04	205.0	
" " "	Thedford.....	" ".....	May 24, '04	270.0	
" " "	Arcadia.....	" ".....	June 10, '04	2137.0	Flood.
" " "	St. Paul.....	" ".....	June 10, '04	12800.0	Flood.
" " "	Thedford.....	Jas. A. Green.....	June 28, '04	232.0	
" " "	Gate bridge.....	Adna Dobson.....	Oct. 11, '04	677.9	Sec. 32-19-21.
" " "	Seneca.....	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
" " "	" ".....	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	
" " "	" ".....	" ".....	Sept. 23, '99	195.84	
" " "	" ".....	" ".....	Sept. 21, '99	361.92	
" " "	Brewster.....	" ".....	Sept. 21, '99	361.92	
" " "	Barwell.....	B. E. Forbes.....	Mar. 25, '02	1088	
" " "	St. Paul.....	" ".....	May 23, '02	1186	
" " "	" ".....	J. C. Stevens.....	May 14, '03	1223	
" " "	" ".....	" ".....	June 2, '03	1852	
" " "	" ".....	" ".....	July 16, '03	1017	
" " "	" ".....	" ".....	Aug. 11, '03	959	
" " "	" ".....	" ".....	Sept. 15, '03	1043	

STATE BOARD OF IRRIGATION

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Loup Riv., North	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	.....
" " "	" .....	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	.....
" " "	Sec. 31-17-24 .....	" .....	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	.....
Matthew'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 ...	Ft. Niobrara.....	Adna Dobson.....	May 26, '96	4.5	.....
" "	Valentine.....	O. V. P. Stout.....	June 24, '97	21.2	.....



SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Minnechaduza ...	Valentine .....	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. Channel.....	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	.....
"	"	"	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	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

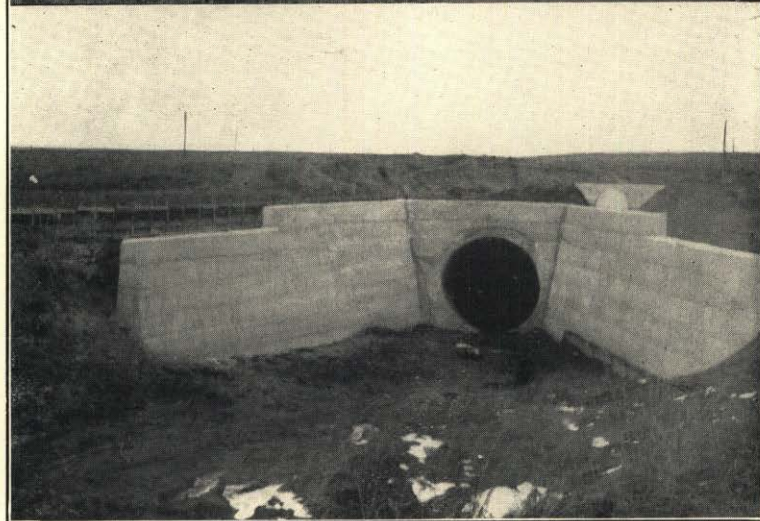
Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Minnehaduzu	Valentine	J. C. Stevens	July 15, '02	23.1	
"	"	"	July 20, '02	22.7	
"	"	"	Aug. 20, '02	23.8	
"	"	"	Apr. 26, '03	48.0	
"	"	"	May 26, '03	33.0	
"	"	"	Aug. 24, '04	21.0	
"	"	G. W. Bates	May 9, '05	85.3	
Monroe creek	Head of Schilt Ditch 27-33-56	A. B. McCoskey	July 20, '97	.22	
"	Head Wilcox Ditch 33-33-56	"	July 21, '97	1.02	
"	"	T. J. O'Keefe	Sept. 24, '00	.84	
"	Sec. 14-33-56	A. B. McCoskey	Sept. 30, '98	Est. .3	
Medicine creek	Cambridge	Adna Dobson	June 28, '00	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. Channel	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	
"	Valentine	Adna Dobson	Oct. 4, '96	712	
"	5 miles south of Valentine	Glen E. Smith	Mar. 5, '99	650	
"	Lavaca P. O.	O. P. V. 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	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued..

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Niobrara river...	Neb.-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	6.36	
" "	At Bourrett's 32-30-56.....	C. B. Channel .....	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 Belle P. O. 8-28-53.....	" .....	Oct. 23, '97	11.92	
" "	B. T. Moore's R. 11-28-53.....	" .....	Oct. 25, '97	17.1	
" "	" .....	T. J. O'Keefe.....	Sept. 6, '00	10.80	
" "	McLaughlin's 10-28-52 .....	A. B. McCoskey .....	Oct. 25, '97	16.79	
" "	H. of proposed Golden D. 13-31-41 }	} Engrs. in employ	Apr. 26, '97	190	
" "	¼ mile below proposed Golden D. }		Apr. 27, '97	195	
" "	Dunlap .....	A. B. McCoskey .....	May 20, '98	75.4	
" "	" .....	" .....	Aug. 7, '00	14.12	
" "	Sec. 22-29-48 .....	" .....	May 31, '98	55.5	
" "	Bridge N. of Ainsworth.....	C. B. Channel.....	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. Channel .....	May 28, '99	33.04	
" "	Hd. Hatch & Cross D. 25-29-50..	" .....	May 29, '98	47.94	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Niobrara river...	Cook's Ranch 6-28-55.....	A. B. McCoskey .....	Aug. 3, '99	13.87	.....
" "	Cook's Ranch 6-28-55.....	" .....	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	1591	.....
" "	".....	" .....	Apr. 7, '01	2115	.....
" "	Valentine.....	C. B. Channel.....	May 12, '01	628	.....
" "	".....	O. V. P. Stout.....	June 26, '01	724	.....
" "	".....	" .....	Aug. 1, '01	751	.....
" "	Niobrara.....	" .....	Aug. 27, '01	990	.....
" "	Valentine.....	B. E. Forbes.....	Nov. 14, '01	821	.....
" "	".....	J. C. Stevens.....	Mar. 22, '02	971	.....
" "	Fort Niobrara.....	" .....	Mar. 22, '02	1226	.....
" "	".....	" .....	Apr. 12, '02	877	.....
" "	Valentine.....	" .....	Apr. 12, '02	784	.....
" "	Niobrara.....	" .....	May 11, '02	1637	.....
" "	W. line sec. 26-29-46.....	A. Dobson.....	June 3, '02	25.4	.....
" "	Valentine.....	J. C. Stevens.....	June 15, '02	585	.....
" "	Fort Niobrara.....	" .....	June 15, '02	588	.....
" "	Valentine.....	" .....	July 4, '02	800	.....
" "	Fort Niobrara.....	" .....	July 4, '02	714	.....
" "	Niobrara.....	" .....	July 6, '02	2021	.....
" "	Valentine.....	" .....	July 20, '02	727	.....
" "	Fort Niobrara.....	" .....	July 20, '02	705	.....
" "	Niobrara.....	" .....	July 25, '02	1401	.....
" "	Valentine.....	" .....	Aug. 20, '02	681	.....
" "	Niobrara.....	" .....	Aug. 21, '02	1106	.....
" "	Valentine.....	" .....	Sept. 26, '02	733	.....
" "	Niobrara.....	" .....	Sept. 28, '02	2201	.....
" "	Valentine.....	" .....	Nov. 13, '02	797	.....



IRRIGATING FROM ARTESIAN WELL—SIPHON ON BELMONT CANAL

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Niobrara river.	Valentine. ....	J. C. Stevens. ....	Apr. 17, '04	640	.....
" "	" .....	" .....	Apr. 17, '04	683	.....
" "	" .....	" .....	Aug. 11, '04	584	.....
" "	Sec. 31-33-23 .....	" .....	Aug. 13, '04	752	.....
" "	Secs. 26 & 27-34-26 .....	" .....	Aug. 14, '04	679	.....
" "	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. 18-30-44 .....	" .....	Aug. 23, '04	27	.....
" "	Valentine .....	" .....	Aug. 24, '04	638	.....
Newman creek. ....	Head Newman D. 17-33-24 .....	C. B. Channel. ....	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.
Oak creek. ....	Dannebrog .....	Glen E. Smith. ....	May 19, '99	5	.....
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.	.....
" "	" .....	" .....	Oct. 6, '94	Dry.	Water 3½ ft. below 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.	.....
" "	" .....	" .....	Sept. 15, '98	12	.....
" "	Central City .....	Glen E. Smith. ....	Sept. 8, '99	50	.....
" "	Lexington .....	H. O. Smith. ....	May 14, '01	5804	.....

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Platte river	Lexington	H. O. Smith	May 24, '01	10167	
" "	"	"	June 5, '01	9888	
" "	"	"	June 18, '01	12406	
" "	"	"	July 8, '01	2501	
" "	"	"	July 20, '01	Dry.	
" "	Kearney	"	July 22, '01	Dry.	
" "	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.
Platte river, north	Douglas, Wyo.	State Eng'r Wyo.	June 3, '91	10130	
" " "	"	"	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	
" " "	"	"	Oct. 8, '92	335	
" " "	"	O. V. P. Stout	July 26, '94	1900	} Approximate meas- urements by floats.
" " "	Lewellen Bridge	A. B. McCoskey	Sept. 1, '98	Est. 5	
" " "	"	H. H. Pickens	May 22, '99	15901 88	
" " "	Gering Bridge	A. B. McCoskey	Nov. 7, '98	593.42	
" " "	"	"	June 14, '99	16104.80	

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Platte river, north	Gering Bridge	A. B. McCoskey	Sept. 26, '00	333.14	
" " "	"	"	Nov. 5, '00	624.81	
" " "	"	O. V. P. Stout	June 1, '01	10360	
" " "	Camp Clarke	R. H. Willis	June 27, '01	5800	
" " "	"	"	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	
" " "	"	"	Aug. 8, '01	758	
" " "	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	
" " "	Sec. 3-23-58	"	Sept. 22, '02	630	
" " "	Sutherland	H. O. Smith	Aug. 27, '04	26.7	Head North Platte Dit.
" " "	Sec. 3-23-58	"	Aug. 28, '04	29.6	Head Paxton & Smith D
" " "	Lewellen	"	Aug. 30, '04	60.0	
Platte river, south	Julesburg, Colorado	U. S. Geol. Sur.	October '92	653	
" " "	North Platte	"	Early Nov., '92	450	
" " "	"	"	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	



SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Platte river, south	North Platte.....	Glen E. Smith.....	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 Spring.....	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	
" " "	North Platte.....	" ".....	Mar. 26, '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	
Prairie creek. ...	Sec. 26-16-5.....	A. Dobson.....	Nov. 21, '01	8.4	

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
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	.....
" "	Sec. 35-32-23 .....	" .....	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	.....
Pumpkinse d 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	.....
" "	Sec. 25 and 30-19-50 .....	" .....	July 17, '03	4.4	.....
" "	Sec. 25-19-51 .....	" .....	July 17, '03	2.7	.....
" "	Sec. 25-19-51 .....	" .....	July 17, '03	0.6	.....
" "	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	.....
Republican river	Culbertson.....	U. S. Geol. Sur....	Nov. 25, '92	209	.....
" "	Oxford .....	O. V. P. Stout. ....	June 3, '95	16000	.....
" "	" .....	" .....	Sept, 12, '95	55	.....
" "	Culbertson.....	C. E. Crownover....	May 16, '96	78.4	.....
" "	Oxford.....	" .....	May 17, '96	255	.....

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Republican river	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	
"	"	E. T. Youngfelt	June 17, '96	14.9	
"	Culbertson	O. V. P. Stout	June 19, '96	6.5	
"	Haigler	"	July 16, '96	9.8	
"	"	"	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	
"	"	O. V. P. Stout	July 19, '97	Dry	
"	Oxford	"	June 24, '98	385	
"	Culbertson	"	June 25, '98	91.3	
"	"	"	May 29, '99	Dry	
"	Oxford	Glen E. Smith	Sept. 6, '99	Dry	
"	Culbertson	A. B. McCoskey	Sept. 19, '99	Dry	
"	Orleans	"	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. O. Smith	June 22, '01	Dry	
"	Sec. 22-3-31	O. V. P. Stout	July 20, '01	Dry	

SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Republican river	McCook	O. V. P. Stout	July 20, '01	Pools	
"	Oxford	H. O. Smith	July 22, '01	Pools	
"	Culbertson	F. Dobson	Apr. 25, '02	204	
"	Ives	"	Apr. 26, '02	39	
"	Stratton	"	Apr. 26, '02	85	
"	Haigler	"	Apr. 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	
"	"	"	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	
"	"	"	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	

SUMMARY OF ALL STREAM MEASUREMENTS.—*Continued.*

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Republican, N. Fk.	Benkelman.....	J. C. Stevens.....	Apr. 3, '04	112.0	.....
“ “	“ .....	Adna Dobson.....	Apr. 12, '04	31.78	.....
“ “	Bo-twick.....	J. C. Stevens.....	June 6, '04	1289.00	.....
“ “	“ .....	“ .....	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.
“ “ .....	“ .....	E. T. Youngfelt.....	Aug. 25, '96	12.20	“ “
“ “ .....	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	4.39	“ “
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	.....
Sandy creek.....	Sec. 13-31-15.....	C. B. Channel.....	June 17, '99	8.28	.....

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

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Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
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. $\frac{1}{2}$ sec. 15-32-30.....	J. C. Stevens.....	Aug. 16, '04	279	
“ “ .....	N. E. $\frac{1}{2}$ sec. 10-30-31.....	“ .....	Aug. 16, '04	204	
“ “ .....	S. E. $\frac{1}{2}$ sec. 2-30-32.....	“ .....	Aug. 17, '04	194	
“ “ .....	Sec. 16-31-30.....	“ .....	Oct. 31, '04	245	
Soldier creek....	5 miles above Ft. Robinson....	“ .....	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	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
Sowbelly creek.	Ab. head of Shaefer D. 7-32-55.	A. B. McCoskey	July 16, '97	1 45	
"	Bodarc 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	
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	Tributary to Keya Paha
"	Head Townsend Dit. 35-34-19.	"	June 13, '99	5.18	" "
"	Head Opperman Dit. 29-32-20	"	June 15, '99	0.31	Tributary to Niobrara.
"	At mouth.	"	May 16, '99	0.29	Trib. to Lit. Cottonwood
"	Sec. 25-10-21.	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	

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
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.
" "	"	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	"
Verdigre creek...	At mouth 6-31-6.....	O. V. P. Stout..	Apr. 7, '01	105	"
W'bonnet Spr.Br	Head Biehle Ditch 32-33-56.....	A. B. McCoskey	July 21, '98	.27	"
W'bonnet Mid.Br	Head Garton Ditch 31-33-56.....	"	July 21, '98	.26	"
Warbonnet creek.	Brewster's Ranch 21-33-56.....	"	July 23, '97	51	"
" "	"	"	Sept. 29, '98	1.23	"
" "	"	"	May 25, '99	2.50	"
" "	"	T. J. O'Keefe.....	Sept. 25, '00	.75	"



SUMMARY OF ALL STREAM MEASUREMENTS—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
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. $\frac{1}{2}$ sec. 26-15-38.....	" .....	May 7, '02	33.0	.....
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	.....
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	.....
" " "	" .....	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	.....

\*When these measurements were taken the water was all diverted

SUMMARY OF ALL STREAM MEASUREMENTS.—Continued.

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
White river	Bridge below Crawford	A. B. McCoskey	Sept. 9, '97	6.96	into the Crawford ditch.
"	Head of Crawford Ditch	"	Sept. 20, '97	10.44	The gagings at the bridge below Crawford show only water accum- ulated between the two points, from Soldier creek, seepage, springs, etc.
"	Bridge below Crawford	"	Sept. 20, '97	7.53	
"	Head of Crawford Ditch	"	Oct. 18, '97	15.25	The actual discharge of the stream at Craw- ford with the Crawford ditch closed, would be a little less than the sum of the discharges at the two points on the same date.
"	Bridge below Crawford	"	Oct. 18, '97	10.13	
"	Head of Crawford Ditch	"	Nov. 5, '97	15.87	Swollen by heavy rains
"	Bridge below Crawford	"	Nov. 5, '97	10.58	
"	Head of Crawford Ditch	Glen E. Smith	Apr. 27, '98	18.3	The actual discharge of the stream at Craw- ford with the Crawford ditch closed, would be a little less than the sum of the discharges at the two points on the same date.
"	Bridge below Crawford	"	Apr. 27, '98	11.1	
"	Head of Crawford Ditch	A. B. McCoskey	Sept. 20, '98	7.7	The actual discharge of the stream at Craw- ford with the Crawford ditch closed, would be a little less than the sum of the discharges at the two points on the same date.
"	Whitney	"	Sept. 24, '97	13.65	
"	Below Crawford	C. B. Channel	May 15, '99	10.37	The actual discharge of the stream at Craw- ford with the Crawford ditch closed, would be a little less than the sum of the discharges at the two points on the same date.
"	Force's Ranch 31-31-54	A. B. McCoskey	May 17, '99	18.68	
"	Head of Crawford Ditch	"	May 19, '99	4.41	Swollen by heavy rains
"	Bridge below Crawford	"	May 19, '99	16.70	
"	"	"	May 19, '99	18.05	Swollen by heavy rains
"	"	"	May 22, '99	45.89	
"	"	"	Aug. 19, '99	16.20	Ditch not diverting any water
"	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	Ditch not diverting any water
"	Bridge below Crawford	"	Sept. 1, '00	13.5	
"	Whitney	"	Sept. 3, '00	5	Ditch not diverting any water
"	Crawford	B. E. Forbes	July 11, '01	11.5	
"	Sec. 23-31-53	C. Spearman	July 24, '01	16.3	Ditch not diverting any water
"	Sec. 34-32-52	A. Dobson	June 2, '02	64.9	
"	Sec. 25-32-52	B. E. Forbes	Aug. 20, '02	10.4	Ditch not diverting any water
"	Crawford	J. C. Stevens	Apr. 27, '03	31.0	
"	"	"	May 27, '03	19.0	

SUMMARY OF ALL STREAM MEASUREMENTS.—*Concluded.*

Stream	Locality	Hydrographer	Date	Discharge Cubic Feet Per Sec.	Remarks
White river.....	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	.....
" ".....	" ".....	" ".....	Aug. 7, '05	35.3	.....
" ".....	" ".....	" ".....	Aug. 12, '05	301.6	.....
" ".....	" ".....	" ".....	Aug. 13, '05	92.0	.....
" ".....	" ".....	" ".....	Aug. 20, '05	36.0	.....
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	.....



ARICKAREE FALLS NEAR VALENTINE, NEBR.  
ABOUT 100 FEET HIGH.

## REPORT OF H. O. SMITH.

Under Secretary of Water Division No. 1.

*Mr. Adna Dobson, State Engineer,  
Secretary State Board of Irrigation,  
Lincoln, Nebraska.*

DEAR SIR:—

I hereby submit my report as under secretary for Water Division No. 1, for the biennium of 1905-1906.

Like the immediately preceding period, this last has been one of unusual rainfall generally.

Over a part of my district where irrigation has only been practiced as supplemental to the rainfall at any time, little or nothing has been done in that line, and many of the ditches have been allowed to get filled up in places;—bridges, culverts and checks are destroyed;—and some are practically abandoned. Some of these ditches were constructed during the period of dry seasons at a very great expense and the recurrence of such a period would result in either a loss of crop or the reconstruction of the ditches at a great expense and loss of time. The land owners have and are living in hopes that there will be no recurrence of that period. The future alone will determine whether the theory of cycles as applied to climatic conditions is the correct theory, or whether the sudden and abrupt change from a semi-arid to a humid climate is a permanent one.

These conditions exist principally east of the hundredth meridian.

West of that line, while rainfall has been much greater than in former years, the effect has been to increase the practice of irrigation rather than the contrary, because it has given an increased and more continuous flow of water in the streams, and therefore a more liberal and reliable supply for that purpose.

In this territory there has been a considerable advance in the irrigation movement. Many ditches have been constructed and put into successful operation, and several very large systems have been started and are rapidly being pushed to completion, notably the Inter-State, by the federal government, and the Tri-State, by a corporation. These, with the several smaller enterprises, completed and under way, will reclaim and put into a condition of production hundreds of thousands of acres of fertile lands that have heretofore been used chiefly for pasture. As a result, largely if not chiefly, of these operations, land values within the scope of these operations have advanced tremendously—from 50 per cent up to a percentage that is almost incalculable.

It is not unusual to see land that for years has been held at from \$2.00 to \$5.00 per acre, sell for \$40.00, \$50.00, \$60.00 and even more, where conditions are favorable. The total of increased value in land under the completed and partly completed irrigation systems in the Platte Valleys, west of the North Platte, may safely be computed to exceed the sum of \$10,000,000.

Irrigation systems organized under the District Law, have proved, in most cases a great success. In some cases districts have been organized hastily and without the proper examination as to their feasibility, or as to whether the conditions were favorable or even practicable, and the result has been a failure, as they would have been under any other system. Instances of this are the Alfalfa District on the North Platte river in Keith County, the Paxton District on the South Platte river in Keith County, and the Lincoln and Dawson Districts on the Platte river in Lincoln County. In the case of the Paxton District an indebtedness was incurred of about \$6,000, which was adjudicated in the District Court and a levy on the lands in the district ordered to pay it. In the Lincoln and Dawson Districts the indebtedness was about \$20,000, and it was adjudicated and paid in the same way. I have no direct information of what if any settlement was made in the Alfalfa District, but all have been abandoned.

On the other hand, the Mitchell District and the Gering District, both on the North Platte river in Scotts Bluff County, the Western District on the South Platte river in Deuel County and other districts are in successful and economical operation and are giving general satisfaction to the water users.

Within the last biennium the Paxton and Sutherland Ditch, the Southside Irrigation & Land Co's. Ditch, and the Farmers & Merchants Ditch, all from the North Platte River in Lincoln County, have re-organized under the district law, and operating under that law. I know of several other ditches that are seeking to re-organize under the district law.

During the past biennium there have been eleven proofs of appropriation filed, and twenty-five applications have been cancelled for failure to comply with the law in Division 1-A.

Thirteen proofs of appropriation have been filed, and six applications have been cancelled for failure to comply with the law in Division 1-B.

The gagings of the western streams show a material increase in the normal flow, and especially do they show an increase at the usual periods of low water, in fact at no time during the past two years have the streams shrunk to the usual low water stage. Of course the natural rainfall has had much to do with these conditions, but it is my opinion that a very considerable part of this increase, and especially that part which has affected the flow at low stages, and has made it more regular and continuous, is attributable to the seepage from adjacent irrigated lands, which becomes greater the longer and the more it is irrigated, and will become still more regular and increase further as with the passage of time the seepage from the more distant lands reaches the original stream. Tests made in Colorado have demonstrated these facts, but have not been as complete and exhaustive as is desirable.

Respectfully submitted,

H. O. SMITH,

*Under Secretary Water Division No. 1.*

## REPORT OF PAGE T. FRANCIS.

Under Secretary Water Division No. 2.

To Adna Dobson, State Engineer,  
Secretary of the State Board of Irrigation.

I submit herewith my official report for the biennium ending November 30, 1906.

During the past two years I have examined and reported on 175 completed ditches and 26 new applications and made about 30 gagings of streams.

Owing to the unusual amount of rainfall in the years 1905 and 1906 there has been but little trouble between the different appropriators in regard to the division of water, in the valleys of the Niobrara, White River, and Hat Creek. There have been several floods in the years 1905 and 1906 and a great many of the irrigation works in these valleys have been damaged, some nearly destroyed, some have been rebuilt and some have not, though the parties in every case expect to rebuild and in most cases will rebuild the works in a more durable and substantial manner than at first.

I would like to call your attention to a feature of the irrigation law in regard to the appropriation of water in this district, most of the streams are small and the appropriations are small and when you appropriate the water at the rate of one cubic foot to each 70 acres cultivated, the seepage is so great that the user gets practically no benefit, whereas if it could be divided by acre foot so that the full amount of the stream could be turned, or an amount equal to the full capacity of the ditch, the same volume of water could be made to irrigate a great deal more land than it will under the present manner of division.

Owing to the heavy rainfall of the past two years, there has not been a great amount of irrigation works built in this district but the people realize the benefits of irrigation and should we have a few dry years there would be more money spent for irrigation than has yet been done, though it would be mostly in the building of reservoirs to hold storm and flood waters.

Respectfully submitted,

PAGE T. FRANCIS,

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

## REPORT OF O. V. P. STOUT.

Expert in Charge of Irrigation and Drainage Investigation of the Department of Agriculture.

## IRRIGATION AND DRAINAGE INVESTIGATIONS IN NEBRASKA.

House Roll No. 117, an act passed by the Nebraska Legislature of 1905, appropriated the sum of \$5,000 for irrigation and drainage investigations to be carried on in co-operation with and under the immediate direction of the United States Department of Agriculture, the State being represented in the matter by its Board of Irrigation. The United States Department of Agriculture operates through the Irrigation and Drainage Investigations of the Office of Experiment Station.

It was decided that the principal investigations for 1905 should be confined to two localities in the state, those relating to drainage to be conducted in the valley of the Platte River at Lexington, in Dawson County, and those along the other lines authorized to be conducted near Champion, Chase County, in the valley of the Frenchman River. The work at these two places was continued during the season of 1905, and some work was added relating to the duty of water in the valley of the North Platte River near Scottsbluff, in Scottsbluff County.

## DRAINAGE INVESTIGATIONS AT LEXINGTON.

For the purpose of drainage investigations a tract of about 30 acres, lying about two and one-half miles west of Lexington, Dawson County, and along the Union Pacific railroad right of way on the north side of the track, has been leased for a period as long as it is devoted to this purpose, not to exceed five years. The rental paid is nominal.

This location has been selected because there is a large area, amounting in the aggregate to many thousands of acres, lying in the low land of the Platte valley both east and west from Lexington, which the owners have been unable to bring under profitable cultivation because the ground water lies so near the surface that in wet seasons the fields become swamps, and in dry seasons the soluble salts in the soil are drawn to the surface with the ground water and destroy the vegetation. It is believed that it can be demonstrated that under-drainage at a reasonable cost will put such land in a state of profitable cultivation. The Lexington town-site lies within the area which is affected as has been described. The ground water is so near the surface that cellars are out of the question.

The accompanying sketch shows the dimensions of the tract, the system of under-drainage which has been installed thereon, and the location of the tract with respect to the outlet for the drainage water which it delivers. The diameters of the drains are as shown, the depths below the surface range from 2 feet to 40.5 feet, being in general about 3.5 or 4.0 feet, and the grades range from .10 feet to .15 feet of fall per hundred feet of drain. The drains are circular, made of tile, and in one-foot lengths.

The range line ditch noted on the sketch is designed primarily to intercept surface water which would otherwise run over the lower portions



of the town of Lexington. Its availability for the conveyance of water delivered by the system of under-drains was a factor in determining the choice of the tract. The bottom of the range line ditch is only 2.22 feet below the bottom of the outlet of the tile. The length of roadside ditch joining these two points is, as shown on the sketch, somewhat in excess of one-half mile. The maximum depth of water contemplated in the range line ditch is three feet, from which it is evident that at time of heavy flood the tile drains will not operate. But as these floods will be presumably of short duration, the objection is not considered serious.

The outlet or roadside ditch and the range line ditch have been constructed under the direction of the county commissioners, the payment of the cost being from county and other funds. The irrigation ditch which is shown at the west end of the tract is a lateral leading from the canal or the Farmers & Merchants Irrigation Company. It is from this lateral that the application of water which may be considered as necessary or desirable will be made. This ditch serves also to intercept surface drainage from the west.

The surface of the tract has but a slight general slope in an easterly or southeasterly direction. It is, however, quite irregular, owing to the presence of broad swales which in wet seasons have been filled with sluggish or stagnant water. As soon as the soil which has been broken up has been cultivated sufficiently to handle properly for the purpose, the field will be smoothed and these swales obliterated.

Circumstances combined to cause delay, so that the laying of the sub-drains was not completed until about October 1, 1905. Even previous to the laying of these drains it was noted that the outlet ditch leading eastward from the proposed outlet of the tile drains had lowered the water table in the adjacent soil to a material extent. The tile drains produced an effect at once noticeable, and when the system had been running for ten days, the surface soil, even in the lowest spots on the tract, was firm enough to bear the weight of teams and vehicles, and the water table had been lowered from one to two feet. It was also apparent that the effect of the drains extended for some distance into the field adjoining the drained tract on the north.

During the season of 1906 a record has been kept of the height of the ground water at points within and without the drained tract. The points at which these measurements were made are indicated on the sketch by the small circles numbered from one to ten inclusive. Observations were made weekly and the record for three of the points appears on the accompanying diagrams. The record of rainfall for the same period is set forth in the following table.

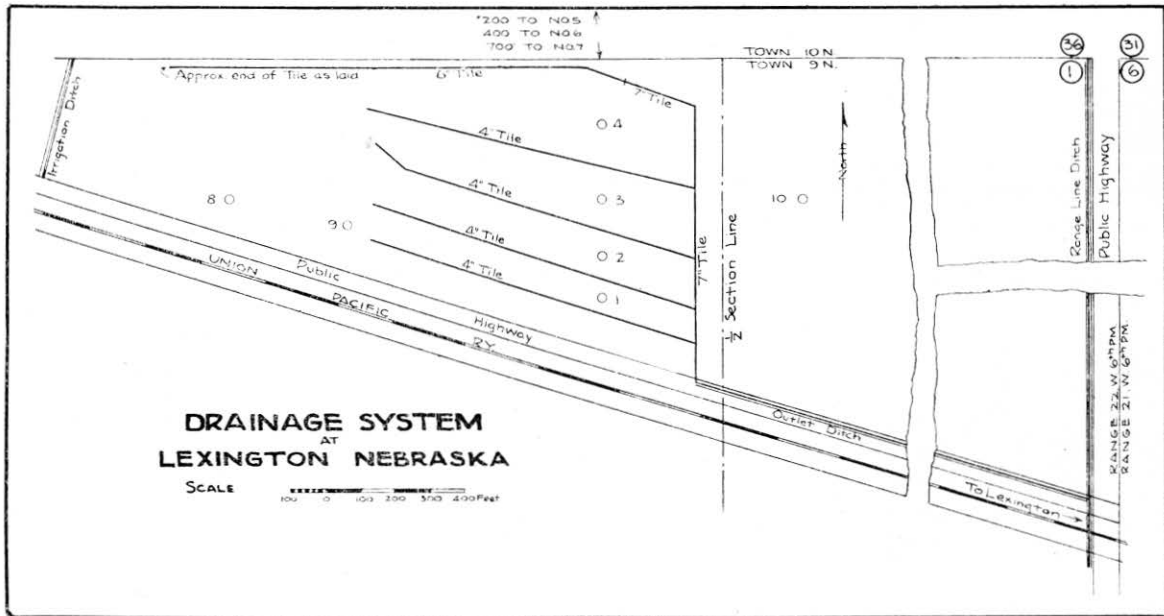
REPORT OF SECRETARY  
LEXINGTON, NEBRASKA.

PRECIPITATION FOR 1906.

1906	January	February	March	April	May	June	July	August	September	October	November	December	Total
1	T												
2	T		.10	.10				.07			.60		
3	.40			.30		.30							
4					.45			.92		.10			
5			*								.05	.10	
6			.20					1.23					
7	.10			.16									
8				.40									
9													
10			1.00					.95	.08				
11						.10			.40		.12		
12				.66			.06		1.00				
13		.40	.20							.53			
14		.06					.05		.43	T			
15			.30										
16							.26		.20		.05	.05	
17										.15			
18			.50										
19				.25		.12		.25	.14				
20							.35						
21			T		.0					*			
22										1.61			
23										.87			
24		T	T	.15	.42	.26		.95					
25		T											
26							1.13						
27				2.24		.47						T	
28													
29												1.03	
30				1.85			.19					.40	
31													
Sums . . . .	5 <sup>0</sup>	.46	2.30	6.11	.97	1.25	2.04	4.37	2.25	3.26	.82	1.58	25.91

\*Precipitation included in that of following day.

The first crop which was attempted on the drained land was cane, which was sown in 1906 on about ten acres lying on the north side of the tract. It was, however, sown rather late and at a dry time; moreover, the coarse sod mat, formed of the roots of the coarse grasses and weeds which have grown there several years, precluded the possibility of getting the ground at once in good condition. Consequently the cane made a poor showing, and was plowed up in time to seed the ground in the fall to rye and wheat. In addition to the ground which had been sown to cane, an area approximately equal in extent was freshly broken and rye and wheat were sown. The reports from these crops are to date (Nov. 24) favorable.



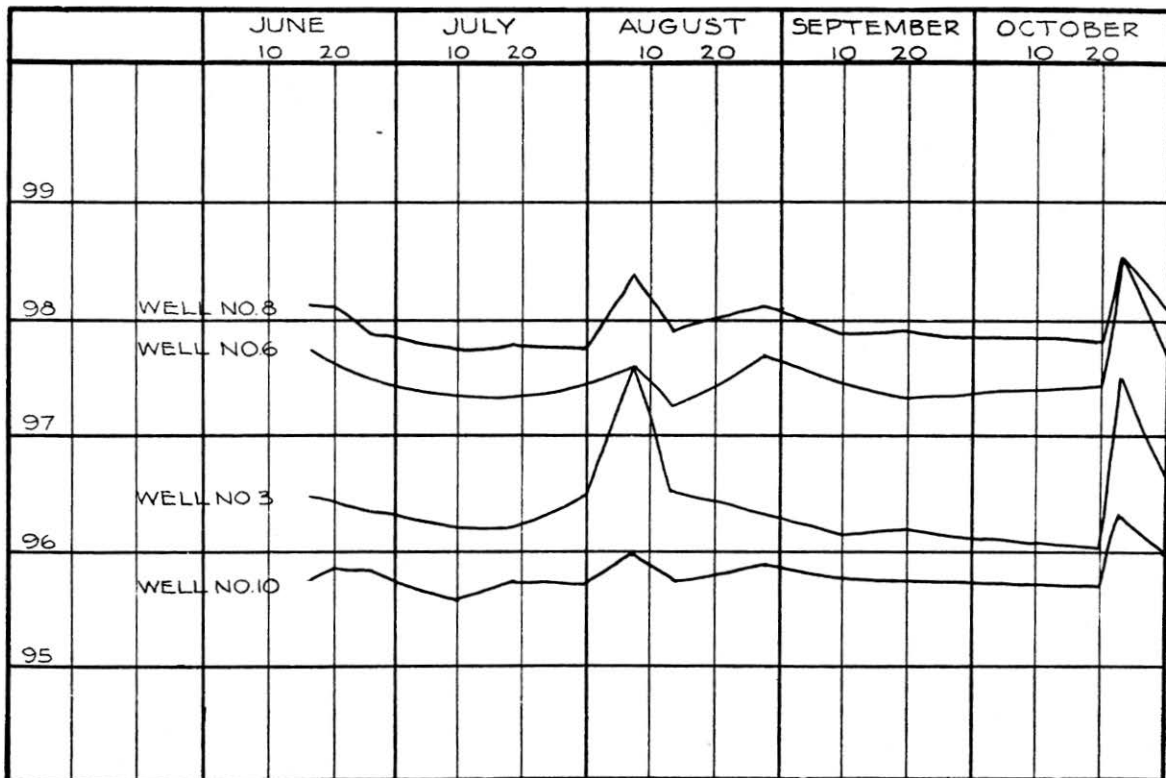


DIAGRAM SHOWING HEIGHT OF WATER IN TEST-WELLS, LEXINGTON.

## IRRIGATION INVESTIGATIONS IN CHASE COUNTY.

The tract selected for the purpose of irrigation investigations is the northeast quarter of section 34, T. 6 N., R. 39 W. of the 6th principal meridian. This lies about three miles southeast of the little village of Champion, and is the property of the Chase County Land and Live Stock Company, from whom a lease was obtained for a nominal sum. It is part of a large ranch or farm which is operated by this company, the headquarters for operation being situated about one and one-half miles distant in the direction of Champion. During 1905 the farming operations and the work of improvement, such as were found necessary on the experimental tract, were performed for the most part by teams and employees from the ranch. During 1906 this was also true to a large extent, but there were some employees whose only duties pertained to the experimental work.

It was contemplated that water for irrigation purposes would be pumped from a well which has been dug near the northeast corner of the quarter section, where the surface of the ground is at an elevation such that water pumped from the well can be readily conveyed in ditches to the land adjoining in all directions. The water-bearing material is known locally as magnesia gravel. Water stands at a depth of 63 feet below the surface of the ground, and 24 feet above the surface of the water in the Frenchman River at the nearest point, which is due north and about one and one-half miles distant from the well. The depth of water in the well is about 6 feet, but this can be increased by some additional work, and it is also confidently believed that in case the water at present proves to be insufficient in amount, it can be greatly augmented by boring down to tap the so-called second water which is known to exist in the locality.

The pumping plant consists of an 8-horse power Fairbanks, Morse gasoline engine and a Dempster double cylinder pump. It is designed for a capacity of 100 gallons per minute.

A reservoir, having a capacity of nearly an acre foot of water, has been constructed, with a view of drawing the water for irrigation directly from it, as the water will thus be warmer than if drawn directly from the well, and the greater rate at which it will run over the land will make the irrigation easier and more efficient, and will conduce to a higher duty.

The installation of the pumping plant was not effected until the spring of 1906, and numerous difficulties have attended, so that nothing of consequence has been accomplished as yet along the line of irrigation.

Cropping operations in 1905 were confined to a strip about 20.5 acres situated on the south side of the quarter section. The other ground, amounting in all to about 20 acres, as well as a considerable portion of the cropped strip, was plowed and summer-fallowed.

The operations were planned with a view of obtaining a comparison of different methods of cultivation, different depths of plowing, and different methods of seeding, the basis of variation being those which it was believed would affect or control conditions of soil moisture. To be of

value, experiments on the conservation of soil moisture must be made at a place and at a time when there is need to conserve the moisture. In this locality in 1905, the precipitation for the year was 33.35 inches; 13.08 inches fell from April 18 to June 30, inclusive, which may be considered as the seeding and cultivation period for the crops; 21.98 inches fell from April 18 to August 31, inclusive, which may be considered as the extreme of the growing periods for crops. During the first six weeks of farming operations beginning April 18, only 18 days were free from precipitation. In spite of this disadvantage, a few of the results obtained were such as may indicate principles which can be followed to advantage in that and similar localities. For instance, close drilled macaroni wheat yielded at twice the rate on shallow plowing that it did on deep plowing. Wide drilled wheat, where only every third fluke of the drill was permitted to run, making the rows 21 inches apart, sowing two-thirds of a bushel and being cultivated several times during the season, yielded at about the same rate on deep and shallow plowing, this rate being intermediate between the yields of close drill wheat on deep and shallow plowing. The wide drilled wheat, however, was several days behind the close drilled in ripening. The greatest growth of straw appeared in connection with the wide drilling. No weeds grew in the close drilled wheat, but a few grew in spite of the cultivation between the wide rows. None of the yields were heavy. The approximate depths of plowing were: Shallow, 4 to 5 inches; deep, 8 to 9 inches.

A considerable variety of crops was raised in 1906, much attention being paid to garden and truck crops. These garden and truck crops were to be made a feature of the work with a view to determining how far they might be depended upon to go in the direction of relieving the farmer in the semi-arid region from complete dependence upon the returns from his unirrigated field crops. The irrigation which was proposed in this connection did not become possible, however, until so late in the season that very little water was used. Consequently the results from these crops do not have the bearing which was intended. A full tabulated report has been prepared, setting forth the operations and the results of the season's work in connection with field crops as well as those which have been mentioned, but as the figures have not yet been subject to analysis, publication is withheld until a later date.



WASTEWAY ON INTERSTATE CANAL.

## OPINIONS OF ATTORNEY-GENERAL.

## IRRIGATION—STATE BOARD—SECRETARY—RECORDS—CERTIFICATES.

The secretary of the present state board cannot review or change records made by former boards.

The secretary of the present state board of irrigation, in certifying to an action of former boards, can only certify what the records disclose, though in doing so facts contemplated by statute may be omitted from his certificate.

*Adna Dobson, State Engineer and Secretary of the State Board of Irrigation, Lincoln, Nebr.*

DEAR SIR:—I have the honor to acknowledge receipt of your recent favor in which you ask me to advise you what your duties are in regard to issuing certificates showing the determination of priorities of appropriations of water.

You inform me that in the adjudication of claims based upon the laws in force prior to 1895 the secretary rendered an opinion which sets forth all the facts required to be given in the certificate provided by the statute except the priority number of the appropriation and the amount of prior appropriation, which facts could not be ascertained at the time said opinion was rendered. You ask whether this opinion of the secretary which was affirmed by the State Board of Irrigation and sent to the claimant should be considered as sufficient, or is it your duty to take up all these claims and issue certificates for the full amount of water allowed in each of these opinions.

The statutory provisions on the subject of certification are as follows:

“Within thirty days after the determination of the priorities of appropriation to the use of water of any stream, it shall be the duty of the state board, through its secretary, to issue to each person, association or corporation, a certificate to be signed by the president of the state board and attested by the secretary of said board, setting forth the name and address of the appropriator, the priority number of each appropriation, the amount of water appropriated and the amount of prior appropriation, and if such appropriation be for irrigation, a description of the land to which water is to be applied and the amount thereof. Said certificate shall be transmitted by the said state board of irrigation, through its secretary, by registered mail to the county clerk of the county in which appropriation shall have been made, and it shall be the duty of said county clerk within ten days after the receipt of said certificate to record the same in a book especially prepared and kept for that purpose, and to notify the party or parties, in whose favor the said certificate is issued of such record, and transmit said certificate to said party, or parties, on payment of the fees for recording, which fee shall not exceed seventy-five cents for each certificate so recorded.” (Compiled Statutes, ch. 93a, art. 2, sec. 21.)

My opinion in reply to your inquiry is as follows:

You have no right to review the determination of your predecessors or of former boards or to change their records. If your predecessors did not issue proper certificates within thirty days after the determination of



priorities, it is not your duty at the present time to issue such certificates, except in cases where requests are made therefor, in which cases you shall certify only what the records disclose.

In the case of applications made under section 28, article 2, of the irrigation law, when it is made to appear that the application has been perfected in accordance with law, a certificate should be issued as provided in section 30, but any facts which cannot be ascertained at that time should not be included in the certificate.

Very respectfully,

F. N. PROUT,  
*Attorney-General.*

October 19, 1904.

IRRIGATION DISTRICTS—ORGANIZATION—EXPENSES—BONDS  
—TAXATION.

Bonds of an irrigation district when purchased by a private individual are subject to taxation.

An irrigation district is liable for the necessary expenses incurred by the county in organizing the district.

Notice of a petition to organize an irrigation district may be published in any newspaper fulfilling the requirements of the statute.

*L. L. Raymond, County Attorney of Scottsbluff County, Scottsbluff, Nebr.*

DEAR SIR:—I have received your favor asking three questions in connection with an irrigation district organized under the provisions of article 3, chapter 93a, Compiled Statutes. Your first question is: Are bonds issued by an irrigation district subject to taxation?

Such bonds when negotiated are, in the hands of a private individual, property within the meaning of the revenue law and as such are subject to taxation. Neither the constitution nor the revenue law exempts such property.

You further inquire whether an irrigation district is liable to the county for the expense incurred by the latter in the organization of an irrigation district under article 3, chapter 93a, Compiled Statutes. Section 24 of that article provides:

“For the purpose of defraying the expense of the organization of the district, and the care, operation, management, repair, and improvement of such portions of said canal and works as are completed and in use, including salaries of officers and employees, the board may either fix rates of tolls and charges, and collect the same from all persons using said canal for irrigation and other purposes or may provide for the payment of said expenditure by levy of assessments therefor, or by both said tolls and assessments.”

This provision in connection with the other provisions of this act shows that an irrigation district when organized, must bear the expense of organization. I am therefore of the opinion that a legally organized irrigation district is liable to the county for the necessary expenses incurred by the county in connection with the organization.

You also inquire whether the notice of a petition to organize a district and the notice of election must be published in the official paper of the county.

No newspaper has the monopoly of publishing such notices and in my opinion the officer charged with the duty of making publications may insert such notice in any legal newspaper which comes within the terms of the statutes.

Very respectfully

F. N. PROUT,  
Attorney-General.

August 18, 1904.

SECTION-LINE ROADS—IRRIGATING DITCHES—COUNTY  
BOARDS—ELECTION.

A right of way for an irrigating ditch is property which cannot be taken from the owner or injured for a public purpose without compensation.

Before opening a section-line road across a previously constructed irrigating ditch, the county board should give notice of its proposed action to the owners of the ditch.

*L. L. Raymond, Esq., County Attorney of Scottsbluff County, Scottsbluffs, Nebraska.*

DEAR SIR:—In a letter received you inquire:

“In establishing a public road on a section line is a ditch company across whose canal such road is laid entitled to notice, or does it take its right of way subject to the right of the public to establish a road therein.”

Before a highway was opened on the section-line the ditch company crossed the section-line with its ditch. You do not state the purpose for which the ditch was constructed, but I take it for granted that it is an irrigating ditch. Under the statutes of this state, an irrigation company may exercise the right of eminent domain, and may not only acquire a right of way for canals over lands of private individuals, but may obtain a right of way over state lands and public highways. (Compiled Statutes, ch. 93a, art. 2, sec. 39-41.) I presume it was pursuant to authority conferred by these statutes that the ditch company referred to in your letter acquired its right of way and constructed the canal. A right of way and ditch thus acquired are property which cannot be taken from the owner for public use or injured by the county board without just compensation. These property rights were obtained before the county board attempted to establish a highway across the ditch, and must be respected by the county board. It is true the statutes declare that section-lines are public roads. (Compiled Statutes, ch. 78, sec. 46,) but this statute does not permit the taking or injuring the private property for public purposes without compensation. In *Lewis v. City of Lincoln*, 55 Nebr. 1, the supreme court said:

“A resolution adopted by a board of county commissioners purporting to establish a section-line road within the county for which they are acting, is valid as a preliminary order; but before such road can be actually opened there must be a proceeding upon proper notice to ascertain damages.”

The county board should therefore give a ditch company notice of the opening of the section-line road across the ditch, and the necessity of such notice is not obviated by the statute which requires the company to keep the bridge over the ditch in repair. (Compiled Statutes, ch. 78, sec. 110.)

Very respectfully,

F. N. PROUT,  
Attorney-General.

September 30, 1903.

## CERTIFICATES.

*Mr. Adna Dobson, State Engineer and Secretary of State Board of Irrigation, Lincoln.*

DEAR SIR:—I have your favor asking for the opinion of this office as to your authority to issue without fee to an appropriator of water for irrigation purposes a certificate showing the appropriation where the appropriator's right thereto was complete prior to July 1, 1905.

In reply I beg to advise you that under the irrigation laws as they existed prior to July 1, 1905, there was no fee allowed for the services of the Secretary for issuing a certificate of appropriation. The legislature, however, at the recent session passed an act which went into effect July 1, 1905, and provided that there shall be paid to the state treasurer, in advance, for services of the Secretary of the State Board of Irrigation, by the person demanding or necessitating the service, a fee of \$1.00 for issuing a certificate of appropriation. This statute is general in its application, and makes no exception in regard to certificates which might properly have been issued, but which were not issued before the law went into effect. The office of State Engineer and Secretary of the State Board of Irrigation is a creation of the legislature, and not of the constitution. The right of the lawmakers to exact fees for the service of such officer is unquestioned, and their power to make the law applicable to all future services is equally clear. There can be no vested right in the gratuitous services of an officer whose office was created by the legislature. The legislative department of government may change at will the salary of an office created by that body, and make the legislation applicable to present officers and existing conditions. The compensation of an officer does not rest in contract, and is not protected by the provisions of the State or federal constitution against laws impairing the obligations of contracts. (Throop of Public Officers, see sec. 443.)

Those persons entitled to an appropriation of water, and to a certificate showing that fact prior to the enactment of the new law, could have obtained their certificate gratuitously under the old law; but, having failed to require the issuance of such certificates when they could lawfully have been procured free of charge under the old law, they must abide by the provisions of the new act, which, according to terms, applies alike to all. According to the terms of this new act a fee of one dollar must be paid in advance into the State treasury before the Secretary of the State Board of Irrigation is authorized to issue a certificate of appropriation of water, and I am of the opinion that this act applies to the adjudications made before July 1, 1905, as well as those subsequently made.

Very respectfully,

NORRIS BROWN,  
Attorney-General.

## RECOMMENDATIONS.

The Nebraska Irrigation Law has proven very satisfactory in a general way, and only a few minor amendments seem necessary. The law has been upheld by the Supreme Court and the opinion in the case of the *Farmers Canal Company v. William Frank*, contains the following:

“Publicity of right and stability of title are matters which the legislature fully intended to establish as far as lay within its power, and the provisions of the law under consideration seem admirably fitted to accomplish this purpose.”

### MAPS.

An amendment should be made requiring all maps and plans to be filed in duplicate and all such maps and plans should bear the certificate of some competent engineer or surveyor.

The original application and maps should be made as definite as possible, as the right of every appropriator depends upon this record. In an arid region, land without water is practically valueless, and the water right is what gives it value; still, the owner of the land will take the utmost precaution in having a correct description of his land, and will pay very little attention to the correctness of the application for water upon which his water right is based.

If funds were available for the work, a most satisfactory method would be for this office to make complete hydrographic surveys of each watershed, so that when an application is filed in the office, we would have a complete record of all the facts connected with it and then could act upon it intelligently.

### EXTENSIONS OF TIME.

The law gives the State Board, through its secretary, authority to limit the time for the completion of canals and for the application of water to the beneficial purpose, but does not specifically give the Board authority to extend this time in cases where it is found that an insufficient time has been granted, and where such an extension would not interfere with the rights of others. I think that this section should be amended so as to give the Board this authority.

### DISTRICT IRRIGATION LAW.

A number of minor amendments should be made in the district law. When it is proposed to organize a district, a copy of the petition should be filed in the office of the State Board of Irrigation so that the Board may have a record of the boundaries of the proposed district, and after the organization of the district the secretary of the district should be required to make a report at least annually to the State Board. As the law now stands, the Board has no record of irrigation districts in the state.

I believe that the bonds of an irrigation district should be registered in the office of the auditor, the same as other bonds.

A provision limiting the amount of warrants issued against the levy for one year to 85 or 90 per cent of the levy, requiring the Board of Directors to increase the levy accordingly and to transfer any unused balances to the succeeding year, would enable the district to take up these warrants more promptly and I believe, would be a saving to the district.

In quite a number of districts where canals have been built by private parties or by corporations, the territory has been organized under the district law and canals purchased and operated by the district. This district method has been very satisfactory in most instances, and tends to put the available land in the district under irrigation more rapidly than any other method.

### RESERVOIRS.

The law should be amended so as to describe more definitely the rights acquired for the use of stored waters, or reservoir rights. The law at present states that "Any person or corporation desiring to construct and maintain a reservoir for the purpose of storing water for irrigation purposes, shall make application, as provided in paragraph 6782, and upon approval of such application, shall have the right to take water from the natural streams of this state, when not needed for power or immediate use for irrigation or domestic purposes," and the general irrigation law provides that the amount of water appropriated for irrigation shall not exceed one cubic foot per second for each 70 acres of land irrigated.

The law does not definitely determine the length of the irrigation season. As the water to be stored must be taken in quantities greatly in excess of one cubic foot per second for each 70 acres, the appropriator should be limited to an absolute volume of water for each acre to be irrigated. If the irrigation season is considered as covering six months, a continuous flow at the rate of one cubic foot per second for each 70 acres would cover the land to a depth of 5.14 feet, and if the irrigation season is considered as extending over the entire year the depth of water would be over 10 feet. It would be much more satisfactory if the amount of water to be appropriated and stored in a reservoir were measured by the acre foot.

### MEASUREMENT OF WATER.

In many other cases the measurement of volume would be much more satisfactory. In the case of a small canal, irrigating say 70 acres, the amount of water to be admitted at the headgate would be limited to one cubic foot per second. This volume of water would be too small to accomplish the best results in irrigating this land. If the appropriator was allowed to divert four times this amount for one-fourth the time, much more good would be accomplished with the same amount of water. On some of the smaller streams, the irrigators themselves have entered into an agreement to distribute the water in this way, and the area irrigated from the stream has been very much increased.

## UNAPPROPRIATED WATER.

One question which has been very hard for us to solve is, "When is a stream fully appropriated?" The Nebraska Irrigation Law provides, that "If there is no unappropriated water in the source of supply, or if a prior appropriation has been made to water the same land to be watered by the applicant, the State Board, through its Secretary, shall refuse such appropriation, and the party making such application shall not proceed with such work so long as such refusal shall continue in force."

The question of when a stream is fully appropriated is a very difficult one. On some of the smaller streams the total amount of the appropriations from the stream is very much in excess of the normal flow of the stream, but, still, there is sufficient water for all appropriators. In many cases the water may all be diverted during the height of the irrigating season, and still a large amount of water is flowing down the stream at other times which might be beneficially used.

It has been the practice of this office to continue to issue permits for the appropriation of water as long as any water is allowed to run to waste at any season of the year. After the normal flow has been appropriated to such an extent that there will probably be a shortage of water during the irrigating season, the permits are granted with the following notice:

"The records of this office show the waters of — to be largely appropriated. The appropriator under this permit is hereby notified of this fact, and that the issuance of this permit grants only the right to divert and use the surplus or waste water of the stream, and confers no rights which will interfere with or impair the use of water by prior appropriators."

I do not believe that this question could be more fully covered by legislative enactment, and I believe that the present method of procedure is the best that can be followed.

Anyone receiving a permit with the above notice is fully advised of the fact that there will be times when water cannot be secured under his permit, and it will be necessary for him to take the water when it will not interfere with the rights of prior appropriators.

## NON-USER.

The question of when a right to an appropriation of water is forfeited by non-user is not covered by our statutes. The Supreme Court in the case of the Farmers' Canal Co. vs. William Frank, says:

"As to non-user we are of the opinion that unless the non-user has existed for a length of time requisite to obtain a title by prescription under the laws of the State, it will not be sufficient to divest the right of an appropriator of public waters. Mr. Long says, in Section 83, 'If the appropriator has in fact abandoned his right, the length of time for which he has ceased to use the water is wholly immaterial, for the moment the abandonment itself is complete, the rights of the appropriator are extinguished. But in the case of a mere non-user, the rights of the appropriator are not affected until he has failed to make any beneficial use of the water for the prescriptive period, when they become extinguished.'

"In California the time fixed by law for the limitation of action to recover real property is five years, and by analogy the courts hold the same period is requisite to divest the title to water by non-user, and this idea seems to prevail in other arid states. Non-user must be continued

for a time equal to the statutory limitations upon actions to recover the possession of real property in order to lose the right of appropriation. The evidence in this case fails to show a non-user of the appropriation for a term of ten years before this action was commenced. Hence, the Farmers' Canal Company had not lost its appropriation.

"We hold, therefore, that Roberts Walker and the Farmers' Canal Company were, at the time of the beginning of this proceeding the owners of and entitled to an appropriation of water to the extent and for the purpose as allowed to them by the State Board of Irrigation of 1897."

It will be seen from this that it requires ten years non-user in this state to create a forfeiture, and our court holds that the granting of an appropriation is exclusive, and that any subsequent application for a permit to irrigate the same land must be dismissed.

This seems to be too long a period, and I think that statutory provision to limit the time to three or five years would be much more satisfactory.

#### GOVERNMENT RECLAMATION WORK.

During the past two years a very large amount of work has been done by the U. S. Reclamation Service, which will be of the utmost benefit to Nebraska. Work has been commenced on the Pathfinder dam, which is located on the North Platte River just below the mouth of the Sweetwater River. This dam, when completed, will be 210 feet in height and will form an immense reservoir, backing the water up the valleys of the North Platte and Sweetwater Rivers and covering about 22,000 acres to an average depth of 60 feet.

The annual discharge of the North Platte River at this point is very little more than the capacity of this reservoir, so it will be seen that almost the entire flow of the river will be controlled and allowed to pass down as needed for irrigation of the lands below.

A tunnel nearly 500 feet long has been constructed around the site of the dam so that the flow of the river is diverted from its natural channel while the dam is being constructed. This tunnel will be used to conduct the water from the reservoir to the natural channel of the river below the dam down which it will be carried for a considerable distance before any water will be diverted.

Several canals, which will receive their supply from this reservoir, have been surveyed. Three of them, the Interstate, the Laramie and the Goshen Hole Canals, will extend into Nebraska, and will cover a very large body of land. This land is of the first quality, being a very fertile sandy loam and particularly adapted to irrigation.

The Interstate Canal, which enters the state near the southwest corner of Sioux County and extends southeasterly through Scottsbluff and Cheyenne Counties, will reclaim over 100,000 acres of the fine land which is not covered by other canals.

The canals now constructed and in the process of construction by private capital, cover a still greater amount of land. As this land is capable of producing the largest yields of sugar beets, potatoes, alfalfa, small grain and fruit, it will undoubtedly be sub-divided into small





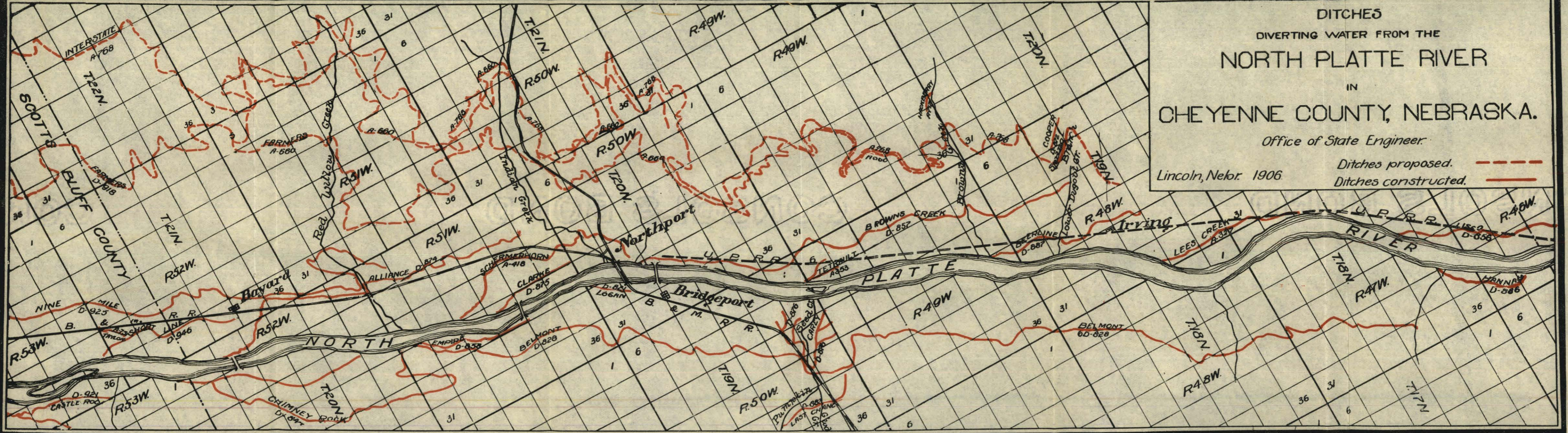
FLUME ON INTERSTATE CANAL.

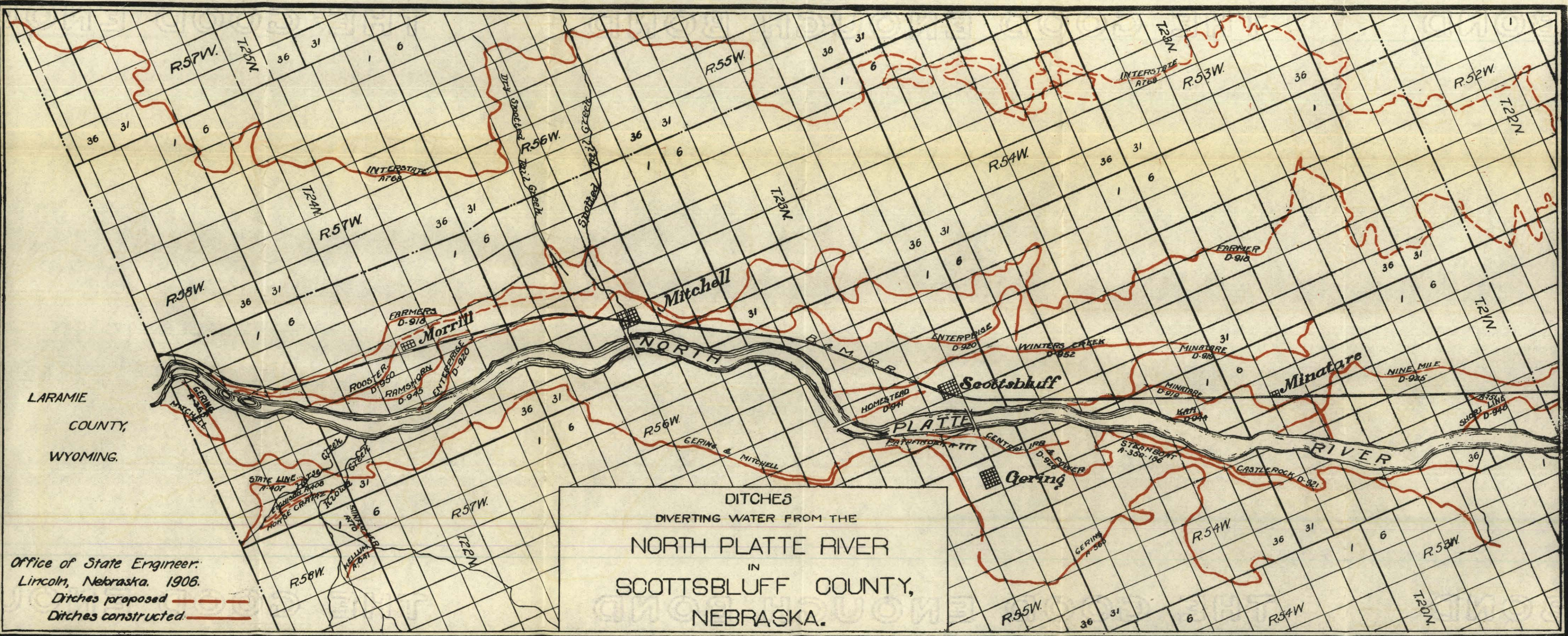


DITCHES  
 DIVERTING WATER FROM THE  
 NORTH PLATTE RIVER  
 IN  
 CHEYENNE COUNTY, NEBRASKA.

Office of State Engineer.  
 Lincoln, Neb. 1906.

Ditches proposed.   
 Ditches constructed. 





DITCHES  
DIVERTING WATER FROM THE  
NORTH PLATTE RIVER  
IN  
SCOTTSBLUFF COUNTY,  
NEBRASKA.

Office of State Engineer.  
Lincoln, Nebraska. 1906.  
Ditches proposed -----  
Ditches constructed. ————

farms, which will be farmed intensively, and in this way the valley is destined to support a very large and prosperous population. All this is to be brought about by the use of the water which has been allowed to run to waste.

There is a large amount of school land lying within the territory to be supplied from the government canal, and some provision should be made for securing water for this land. The Reclamation Act provides that no water shall be furnished to any land in private ownership, unless it be to an actual bona fide resident on such land or occupant thereof residing in the neighborhood of the land.

The State law prohibits the sale of the school lands, except under certain conditions. This seems to make it doubtful whether the water can be secured for these State lands unless they are sold, or some provision made by which the repayment of the cost of reclamation can be guaranteed.