

REPORT
OF
STATE BOARD OF IRRIGATION
OF
NEBRASKA
1899-1900

CHANNEL



IRRIGATION CANAL IN DAWSON COUNTY

THIRD BIENNIAL REPORT

OF THE

State Engineer, Secretary

OF THE

STATE BOARD OF IRRIGATION

TO THE

GOVERNOR OF NEBRASKA

1899 AND 1900

LINCOLN, NEBRASKA
HUNTER WOODRUFF PRINTING CO.
1901

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LINCOLN, NEBR., Nov. 30th, 1900.

To the Honorable W. A. Poynter, Governor:

SIR—As provided for in section 10, article 1, of the irrigation laws of the state of Nebraska, I have the honor to submit the following report of the work of this office during the past two years.

Yours very respectfully,

C. B. CHANNEL,

State Engineer, Secretary.

LIST OF OFFICERS IN CHARGE OF PUBLIC WATERS
IN NEBRASKA.

STATE BOARD OF IRRIGATION.

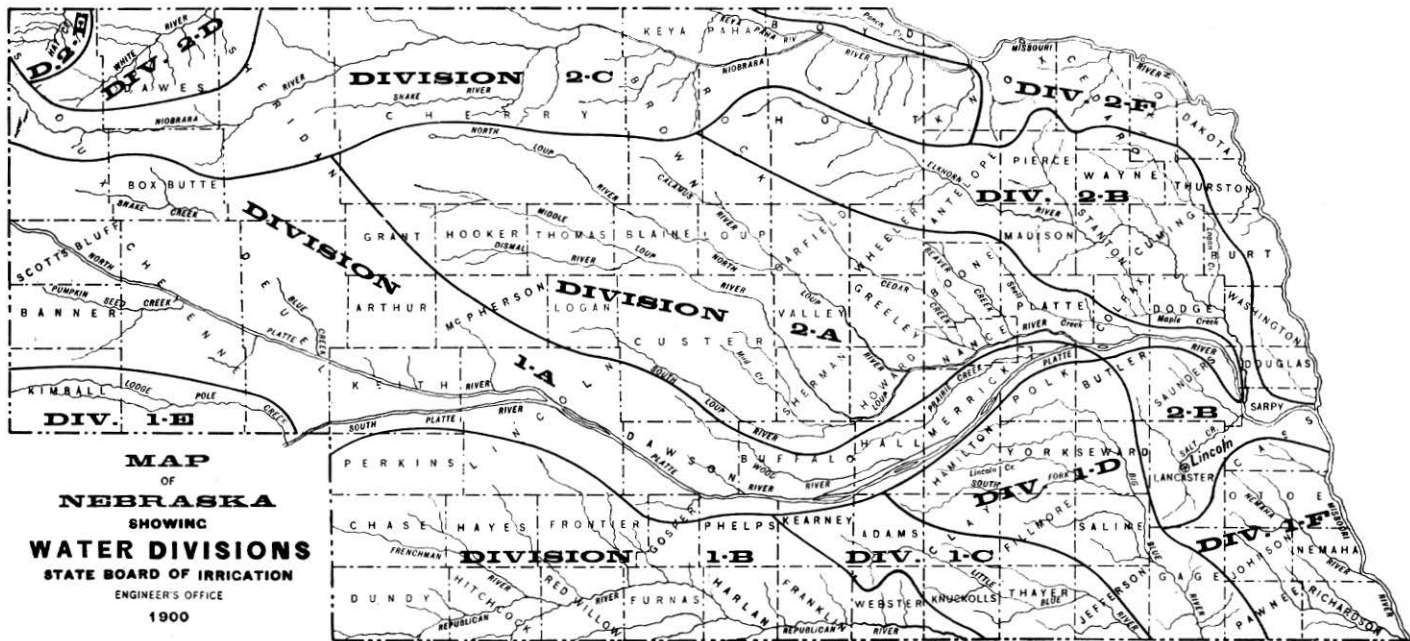
W. A. Poynter, Governor.
C. J. Smyth, Attorney General.
J. V. Wolfe, Commissioner of Public Lands and Buildings.

ADMINISTRATIVE OFFICERS.

W. A. Poynter, Governor.
C. B. Channel, State Engineer, Secretary.
A. B. McCoskey, Assistant Secretary.
E. D. Johnson, Under Secretary for Division 1.
T. J. O'Keefe, Under Secretary for Division 2.
Fannie Steinmetz, Stenographer.

UNDER ASSISTANTS.

James Dayly, 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.
C. J. Osborne, Water District No. 1, Water Division No.
1-E.
Robert Busch, Water District No. 1, Water Division No.
1-B.



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

WATER DIVISIONS AND WATER DISTRICTS.

Sections 1 and 2, Article 2, 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 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 on the accompanying map.

Under the provisions of Section 33, Article 2, 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 Fork and Greenwood creeks, and all that part of the North Platte river lying within Cheyenne county.

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.

Upon retiring from the office of State Engineer and Secretary, March 31, 1900, Mr. J. M. Wilson made a true and full report of the work of the office and of the business transacted for the fiscal year ending with that date. Much credit is due Mr. Wilson for his conscientious and vigorous prosecution of the arduous work of the office during his incumbency as secretary. The following report, while complete in itself, can convey but a vague idea of the innumerable obstacles met with and surmounted in the adjudication of the numerous conflicting claims and applications which were disposed of by the Secretary.

His report follows, omitting the accompanying tables of claims and applications adjudicated and pending, to avoid repetition.

To the Honorable W. A. Poynter, Governor:

SIR: In accordance with the provisions of Sec. 10, Art. 1, of the Irrigation Law of the State of Nebraska, I have the honor to submit the following report of the work of this office since my last biennial report up to March 31st, 1900.

Very truly yours,

J. M. WILSON,
State Engineer, Secretary.

REVIEW OF WORK.

STATE BOARD OF IRRIGATION.

On Nov. 30. 1898, when your Secretary rendered his biennial report, there were on file with the State Board of Irrigation, 42 claims and 6 contests in which the adjudication was incomplete. In addition to the above, there were 12 motions for rehearing before the Secretary, 6 contests over claims and 1 appeal to the board, on file.

Since November 30, 1898, there have been filed 7 new claims, 3 contests, 5 motions for rehearing and 4 appeals to the State Board.

Of the above enumerated cases the Secretary has passed on 36 claims, 8 contests and 11 motions for rehearing. The Board has passed on 3 appeals from the decision of the Secretary. There are now at this date, April 1, 1900, 22 claims for water, 1 contest, 4 motions for rehearing and 2 appeals awaiting the action of the Board. All of the above described cases arise under appropriations made or attempted under the law in force prior to April 4, 1895.

On November 30, 1898, there were on file with the board 349 applications to appropriate water under the law now in force on which no action had been taken by the Secretary. Since November 30, 1898, sixty-two new applications have been filed. Of the above described applications, 210 have been allowed and 126 dismissed. There remain at this date 73 applications still on file and awaiting the action of the Secretary.

Since the last report there have been filed fourteen applications for relocation of canal headgates, all of which have been approved.

At the date of the last biennial report, there were unexpended balances for use during the remainder of the fiscal year, as follows:

For salary of secretary of board, \$625.00.

For salary of assistant secretary, \$333.36.

For under secretaries, \$680.20.

For stenographer, \$266.72.

For field help, \$17.20.

For postage, \$164.47.

These were all expended prior to April 1, 1899, as per vouchers on file in the auditor's office.

The appropriations made by the last legislature for the ensuing biennium, beginning April 1, 1899, and ending April 1, 1901, are as follows:

Salary of secretary, \$3,600.

Salary of assistant secretary, \$2,000.

Salary of two under secretaries, \$3,200.

Salary of stenographer, \$1,600.

Office expenses, including postage, telegraph, and other expenses, \$600.

Field help, \$1,200.

Instruments, \$400.

Office furniture, \$200.

Traveling and incidental expenses, \$500.

Lithographing and printing, \$500.

The expenditures up to date, April 1, 1900, have been as follows:

Salary of secretary, \$1,800.

Salary of assistant secretary, \$1,000.

Salaries of under secretaries, \$1,598.66.

Salary of stenographer, \$800.

Office expenses, \$368.50.

Field help, \$655.82.

Instruments, \$240.15.

Office furniture, \$199.80.

Traveling and incidental expenses, \$397.83.

This leaves balances April 1, 1900:

For salary of secretary, \$1,800.

For salary of assistant secretary, \$1,000.

For salaries under secretaries, \$1,601-34.

For salary of stenographer, \$800.

Office expenses, \$231.50.

Field help, \$544.18.

Instruments, \$159.85.

Office furniture, \$.20.

Traveling and incidental expenses, \$102.27.

There was on hand at the date of my last report a cash balance of \$37.08. There has been collected for preparing copies of records for the use of claimants and attorneys, fees to the amount of \$14.47, making a total of \$51.55. There has been expended for procuring outside assistance for making these copies and other necessary expenses connected with the office, \$52.27, leaving a deficit of \$0.72.

Under the rules of the board, fixing the stenographer's fees for taking and transcribing oral testimony, Miss Nellie Holland collected at the hearings on July 5, 6, 7, 12, 13, 14 and 15, 1899. \$93.75.

Mr. George Coran collected at hearings held on October 20, 1899, January 29 and 31, 1899, \$86.50.

For the hearings on December 9, 1899, and February 8, 1900, the parties offering testimony furnished a stenographer, and no account was taken of fees paid.

The fees collected by Miss Holland and Mr. Corcoran were only sufficient, after paying necessary traveling expenses, for a moderate compensation for the work done and the time consumed, and with the consent of the Secretary were retained by these parties.

Hearings have been held as follows:

July 5, 1899, at Chadron, Neb.

July 6, 1899, at Harrison, Neb.

July 7, 1899, at Crawford, Neb.

July 12, 1899, at Lexington, Neb.

July 13, 1899, at North Platte, Neb.

July 14, 1899, at Ogalalla, Neb.

July 15, 1899, at Sidney, Neb.

October 20, 1899, at Gothenburg, Neb.

December 9, 1899, at Columbus, Neb.

January 29, 1900, at Crawford, Neb.

February 8, 1900, at Broken Bow, Neb.

APPEALS.

Appeals have been taken from the decision of the Secretary in the matter of claims, as follows; with results indicated:

O. A. Garton, docket No. 503.

Appeal from opinion of Secretary fixing priority of claim in watershed, filed Sept. 19, 1896. Appeal heard April 6, 1899. Opinion of Secretary. not sustained.

Roll Milling Company, }
 vs. } Docket No. 977.
 McLaughlin et al. }

Appealed Nov. 17, 1898.

Appeal heard by Board Dec. 20, 1899.

Decision of Secretary affirmed March 27, 1900.

Crawford Company }
 vs. } Docket No. 378.
 Leroy Hall et al. }

Appealed June 27, 1899.

Appeal heard by Board December 18, 1899.

Decision of Board pending.

Harris & Cooper }
 vs. } Docket No. 376.
 Leroy Hall. }

Appealed June 27, 1899.

Appeal heard by Board December 18, 1899.

Decision Board pending.

REHEARINGS.

On the following cases motions for rehearing before your Secretary have been disposed of as indicated:

Docket No. 468, Claim of A. A. Record;

Dismissed July 5, 1899.

Docket No. 548, Claim of Benjamin Brewster;

Reheard July 6, 1899.

- Opinion rendered November 4, 1899.
Opinion on rehearing affirmed by Board December 20, 1899.
- Docket No. 475, Claim of William S. Hazleton;
Reheard July 7, 1899, and January 29, 1900.
Opinion rendered March 16, 1900.
- Docket No. 455, Claim of W. L. Compton;
Reheard July 7, 1899.
Decision of Secretary, pending.
- Docket No. 464, Claim of Harris & Cooper Irrigation Co.
Reheard July 7, 1899.
Opinion rendered Nov. 4, 1899.
- Docket No. 518, Claim of Octave Harris;
Reheard July 7, 1899.
Opinion reaffirming opinion of August 15, 1898.
Rendered Nov. 4, 1899.
- Docket No. 513 (a), McGinley & Stover, claimants;
Reheard July 7, 1899.
Opinion on rehearing Nov. 11, 1899.
- Docket No. 977, Contest,
Roll Milling Company)
 vs.)
McLaughlin, et. al.)
- Reheard July 7, 1899.
Opinion reaffirming original opinion Nov. 4, 1899.
- Docket No. 692, Claim of Lucien Stebbins;
Reheard July 13, 1899.
Claim dismissed.
- Docket No. 784, Claim of Equitable Farm & Stock Imp. Co.
Reheard July 13, 1899.
Opinion on rehearing affirming original opinion Nov. 10, 1899.
- Docket No. 861, Claim of E. S. Crigler;
Reheard under special order of the Board July 15, 1899.

- Docket No. 309, Claim of Firth Booth;
 Reheard July 15, 1899.
 Opinion on rehearing Nov. 4, 1899.
- Docket No. 333, Claim of Robert Oberfelder;
 Reheard July 15, 1899.
 Opinion on rehearing March 12, 1900.
- Docket No. 517, Claim of Octave Harris and Robert Neece;
 Reheard Jan. 29, 1900.
 Decision pending.
- Docket Nos. 210
 and 212, Claim of Daily, Gilligan & Company;
 Reheard Jan. 19, 1900.
 Rehearing not yet completed.
- Docket No. 213, Claim of Victoria Ditch Association;
 Reheard Jan. 19, 1900.
 Rehearing not yet completed.
- Docket No. 217, Claim of Laughlan & Bell;
 Reheard Jan. 19, 1900.
 Rehearing not yet completed.

APPROVAL OF APPLICATIONS.

An important part of the work of the part year has been the examination and approval of applications for permits to appropriate water. Before this year, the uncertainty concerning the validity and extent of claims inaugurated under the old law had made it impossible to act on these applications with safety. The opening of the new year found the old claims largely disposed of.

The work on the applications has been pushed steadily.

I desire here to express my appreciation of the labors of my assistants in office and field. Without their generous co-operation, my work must have fallen short of its purpose. In whatever good has been accomplished, they, too, have a right to rejoice.

In closing, I wish to express my appreciation of the kindly and generous spirit in which my work has been received by your Board, and I desire to thank you as a body and as individuals for your thoughtful consideration and for the helpful

spirit which you have at all times manifested towards me and my work.

Respectfully submitted,
 J. M. WILSON,
State Engineer, Secretary.

As appears in the foregoing report, the balances in the funds indicated, April 1, 1900, were as follows:

For salary of secretary, \$1,800.
 For salary of assistant secretary, \$1,000.
 For salaries of under secretaries, \$1,601.34.
 For salary of stenographer, \$800.
 Office expenses, \$231.50.
 Field help, \$544.18.
 Instruments, \$159.85.
 Office furniture, \$0.20.

Lithographing and printing, \$500.
 Traveling and incidental expenses, \$102.27.

In the cash account there was a deficit of \$0.72.

The expenditures up to date have been as follows:

For salary of secretary, \$900.
 For salary of assistant secretary, \$583.33.
 For salary of under secretaries, \$432.95.
 For salary of stenographer, \$466.66.
 Office expenses, \$168.

Field help, \$65.
 Instruments, \$27.75.
 Lithographing and printing, \$410.
 Traveling and incidental expenses, \$57.46.

There has been collected for preparing copies of records, fees to the amount of \$19.00.

This leaves balances November 30, 1900, as follows:

For salary of secretary, \$900.
 For salary of assistant secretary, \$416.67.
 For salaries of under secretaries, \$1,168.39.
 For salary of stenographer, \$333.34.
 Office expenses, \$63.50.
 Field help, \$479.18.

Instruments, \$132.10.

Office furniture, \$0.20.

Lithographing and printing, \$90.00.

Traveling and incidental expenses, \$44.81.

There has been expended from the cash fund for offices supplies and other necessary expenses connected with the office, \$17.25., leaving a balance of \$1.03.

PROOFS OF APPROPRIATIONS.

In the adjudication of claims made under the law in force prior to April 4, 1895, it was found necessary in many cases in justice to the appropriators to fix future dates for the completion of the appropriations. In such cases, a limitation similar to the following was inserted in the Secretary's opinion granting the claim:

“The amount of water appropriated shall not exceed one (1) cubic foot per second of time, neither shall it exceed the capacity of said ditch or canal nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of good husbandry; and, further, said appropriation, under any circumstances, shall be limited to one-seventieth (1-70) of a cubic foot per second of time for each acre of land to which water is actually and usefully applied on or before September 1st, 1898.”

This clause of the Secretary's opinion, while fixing the maximum amount of water that may be legally diverted under the appropriation, in reality leaves the amount of the appropriation for future determination. The time of former secretaries and their assistants was so fully occupied with the adjudication of claims and applications, and with numerous other matters demanding immediate consideration that the matter of determining the amounts of these appropriations was not taken up by them when the time so fixed expired.

In some cases, the time for applying water under the earlier appropriations expired September 1st, 1897. Believing that the longer the matter of securing information regarding the lands to which water was applied prior to the limit fixed in

the secretary's opinion was delayed, the more difficult it would be to get as reliable information, your Secretary deemed it important that the matter receive his early attention. For the purpose of securing the desired information, a blank was prepared, of which the following is a copy:

PROOF OF APPROPRIATION OF THE WATERS OF THE STATE OF
NEBRASKA.

1. Q. State your name. (1 line).
2. Q. Post-office address. (1 line).
3. Q. Are you the original appropriator under Docket No.? (2 lines).
4. Q. If not the original appropriator, state nature of your interest in the works constructed under said appropriation, and when said interest was acquired. (6 lines).
5. Q. When was the.....ditch (or other distributing works under said appropriation) completed? (1 line).
6. Q. What are the dimensions of the ditch (or other distributing works) built under this appropriation? (4 lines).
7. Q. If for irrigation, give the location and acreage irrigated the first year, and acreage irrigated each subsequent year, to the present. (6 lines).
8. Q. What crops were grown on this land in.....? Give estimated acreage of each. (5 lines).
9. Q. Give legal subdivisions of land, and the acreage in each subdivision to which water was actually and usefully applied on or before.....? (13 lines).
10. Q. If any of the lands named above are owned by other parties, describe the tracts, and state the nature of their right in the canal. (5 lines).
11. Q. If any of the lands have been watered since..... that were not watered prior to that date, describe them, giving legal subdivisions and acreage watered. (5 lines).
12. Q. During what months is water beneficially used? (1 line).

- 13. Q. Give the amount of your interest in the construction of ditch and laterals. (2 lines).
- 14. Q. Does the map which accompanies this proof show correctly the location of the canal and the area of land to which water was actually and usefully applied on or before.....? (1 line).
- 15. Q. Have you had sufficient water each year since the use under your appropriation began? (1 line).
- 16. Q. If not, state years of scarcity, the months when the supply was insufficient, and the reason of such scarcity. (5 lines).

Remarks: (12 lines).

STATE OF NEBRASKA, }
 COUNTY. } ss.

I,....., being first duly sworn, do depose and say that I have read the above and foregoing Proof of Appropriation of Water; that I know the contents thereof and that the facts therein stated are true.

In witness whereof, I have hereunto set my hand this.... day of....., 190..

STATE OF NEBRASKA, }
 COUNTY. } ss.

I hereby certify that the foregoing Proof of Appropriation was signed in my presence, and sworn to before me by....., this day of 190..

Notary Public.

In all cases in which the time fixed by the Board for the completion of the appropriation by the application of water to the land had expired, this blank with the proper dates supplied was sent to appropriators.

Proofs of appropriation have been filed in 189 cases. In some cases, because of the irregular outline of the lands to be watered and the apparent inaccuracy of the maps filed, it is necessary to have an examination and report by a representa-

tive of the Board before certificates can be issued, but in the majority of cases the information furnished, it is believed, is reasonably accurate.

When proofs of appropriation in the matter of appropriations from a stream have been filed, a notice of hearing is sent to each appropriator, fixing dates and places for the inspection of these proofs by all parties interested so that contest proceedings may be instituted by adverse claimants if the claims set forth in the proofs are deemed excessive.

CERTIFICATES OF APPROPRIATION.

Section 21, Article 2, Nebraska Irrigation Law, reads 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 postoffice address of the appropriator, the priority number each of 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 the 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 said 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.”

This section of the law relates to appropriations made under the law in force prior to April 4, 1895. At the time your present Secretary was appointed, April 1, 1900, there had been

issued under the foregoing section of law one certificate.

Since that date seventy-six certificates have been issued. A certificate was prepared and lithographed, which in form, is as follows:

United States of America—State of Nebraska.

Certificate No.....

Division No.....

Office of

STATE BOARD OF IRRIGATION.

Certificate of Appropriation of Water.

This is to certify that of State of ha.. appropriated water from to be used through the for, and that the State Board of Irrigation under the provisions of Art. 2, of the Irrigation Law of the State of Nebraska, has determined and established the priority and amount of the said appropriation as follows:

The priority of the appropriation dates from; the priority for the watershed is No....., and the priority for the stream is No.....

The amount of the appropriation is cubic feet per second; the amount of prior appropriation from the watershed is cubic feet per second, and the amount of prior appropriation from the stream is cubic feet per second. The lands to be irrigated are

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

The right to water herein confirmed is restricted to the irrigation of the above described land.

The amount of the appropriation shall not exceed the amount herein stated; neither shall it exceed the capacity of said ditch or canal, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of good husbandry; and, furthur, said appropriation is limited to one-seventieth (1-70) of a cubic foot per second of time for each acre of the above described land to which water is actually and usefully applied for irrigation.

I,, President of the State Board of Irrigation of the State of Nebraska, have hereunto set my hand this day of

Attest: President.

..... Secretary.

Your secretary deemed it due the appropriators as well as those desiring to appropriate water, that the matters of issuing these certificates be taken up at an early date. The records of the certificates in the offices of the county clerks afford a convenient reference for those wishing to ascertain the condition of the water supply on any stream within the county and assist those who have appropriations to determine their relative rights.

The following tables give a summary of the certificates issued to date:

SUMMARAY OF CERTIFICATES OF APPROPRIATION ISSUED IN DIVISION 2-D.

Certificate No.	STREAM.	NAME OF APPROPRIATOR.	Amount of appropriation in cubic feet per second.	Priority No.		Docket No.
				Stream.	Watershed.	
1	White River	Leroy Hall	24 5-6	2	7	478
2	East Ash Creek	Harrison B. Tomlin	2 6-7	1	1	447
3	Kyle Creek	David Colville	4-7	1	2	522
4	Carcoal Creek	Martin J. Webber	4-35	1	2 1-2	982
5	White River	Martin Jacobson	1-7	1	3	561
6	Soldier Creek	John J. Rodgers	1-7	1	5	546
7	Spring Branch	John S. Tucker	6-35	1	5	557
8	West Ash Creek	Andrew Vetter	1	1	6	428
9	Big Bordeaux Creek	Thomas E. Locket	1-14	1	8	494
10	Deep Creek	M. H. Green	2-35	1	9	525
11	East Ash Creek	Ida L. Aird	1 1-7	2	10	438
12	Spring	Max Uhlig	1	1	11	492
13	White River	Nels Deidrichson	3-14	3	12	562
14	Dead Horse Creek	John Kemery	1-80	1	13	493
15	Bordeaux Creek	Harriet B. J. Richard	1-7	2	14	430
16	Chadron Creek	W. S. Gallup	3-35	1	15	426
17	Little Cottonwood Creek	John T. Stuart	5-14	1	16	425
18	Big Bordeaux Creek	Samuel A. Bryant	2-7	3	17	434
19	Big Bordeaux Creek	Oscar W. Hall	1-14	4	18	437
20	Spring	Theodore L. Goff	1-7	1	19	441
21	Dead Horse Creek	F. B. and E. F. Woodruff	1-35	2	20	427
22	Big Bordeaux Creek	Harriet B. J. Richards	5-14	5	22	446
23	Big Bordeaux Creek	William Mann	8-35	6	23	975
24	Big Bordeaux Creek	Smith L. Adams	1-7	7	24	450
25	Little Bordeaux Creek	Solm. and Cath. Hartzell	4-7	1	25	448
26	West Ash Creek	Nathan Broadhurst, R. Holding, S., Woodard, & S. J. Harbaugh	1.62	2	26	452

27	Chadron Creek.....	Henry M. Wilson.....	1-5	2	27	453
28	Chadron Creek.....	Wallace W. Wilson.....	1-14	2	28	454
29	Big Bordeaux Creek.....	County of Dawes.....	1-7	3	30	983
30	Dead Horse Creek.....	Lowell L. Goff.....	6-35	3	31	457
31	Indian Creek.....	Isaac Seegrist.....	1-35	1	32	489
32	Indian Creek.....	Millard F. Flood.....	1-14	2	33	460
33	Spring Creek.....	Bailey G. Pinney.....	6-7	1	35	466
34	Little Bordeaux Creek.....	John A. Butler.....	4-35	2	36	443
35	Chadron Creek.....	A. A. Record.....	4-7	4	38	468
36	White River.....	Chas. Rasher.....	1 1-7	6	39	467
37	Bordeaux Creek.....	J. D. Bacon.....	3-14	9	40	449
38	White River.....	Nicholas Welling.....	4-7	7	41	468
39	Dead Horse Creek.....	James Harley.....	1-70	4	42	488
40	Big Bordeaux Creek.....	Martin Morrissey.....	3-35	10	44	491
41	White Clay Creek.....	Wm. S. Hazelton.....	1 1-7	2	48	475
42	Beaver Creek.....	James F. Braddock.....	3-70	2	58	974
43	White River.....	James H. Butterworth.....	1-14	16	59	490
44	Trunk Butte Creek.....	Marcus Smock.....	1-14	1	60	465
45	N. Br. Warbonnet Creek.....	John L. Kay.....	1-7	3	8	958
46	W. Br. Hat Creek.....	Benjamin E. Brewster.....	3-7	1	1	553
47	Cedar Creek.....	Charles E. Schilt.....	4-7	1	4	507
48	Cedar Creek.....	Marcus Valdez.....	1-2	2	4 1-2	976
49	Prairie Dog Creek.....	Charles E. Schlit.....	1 1-7	1	5	508
50	W. Br. Hot Creek.....	Benjamin E. Brewster.....	4 5-7	3	5 1-2	553
51	Hat Creek.....	Charles F. Chafee.....	4 2-7	2	3	512
52	Warbonnet Creek.....	Benjamin E. Brewster.....	3 22-35	1	2	548
53	Middle Boggy Creek.....	James F. Bannon.....	2-35	1	6	560
54	N. Br. Warbonnet Creek.....	James Nolan.....	1-70	2	7	957
55	Sowbelly Creek.....	Peter Shaefer.....	3	1	9	533
56	Big Monroe Creek.....	Eli J. Wilcox.....	1 3-7	1	10	506
57	Br. Warbonnet Creek.....	James Nolan.....	2-7	4	11	958
58	Whitehead Creek.....	Robert Harrison.....	2-35	1	12	547
59	Monroe Creek.....	Charles E. Schlit.....	1-2	2	13	509
60	Boggy Creek.....	Thomas Holly.....	4-35	2	4	956
61	Spring Creek, Trib. Sowbelly	Wm. S. & Francis H. Hall.....	4-7	2	15	550

SUMMARY OF CERTIFICATES OF APPROPRIATION ISSUED IN DIVISION 2-E.

Certificate No.	Stream.	Name of Appropriator.	Amount of appropriation in cubic feet per second.	Priority No.		Docket No.
				Stream.	Watershed.	
62	Jim Creek.....	Leonard Daut.....	6-7	1-2	15 1-2	981
63	N. Br. Warbonnet Creek....	John A. Anderson.....	5-7	5	16	539 (b)
64	Jim Creek.....	Walter B. Woodruff.....	5-14	1	17	536 (b)
65	Trib. Jim Creek.....	Samuel B. Coffee.....	3-14	1	17 1 2	984
66	Squaw Creek.....	Thomas Dunn.....	5-14	1	18	552
67	Sow Belly Creek.....	Sarah Montgomery.....	1	3	19	559
68	Jim Creek.....	Nels Anderson.....	3-7	2	20	502
69	Squaw Creek.....	N. Douglas Hamlin.....	1-70	2	21	555
70	Jim Creek.....	William Slattery.....	2-7	3	22 1-2	543
71	N. Br. Warbonnet Creek....	John A. Anderson.....	2-7	7	23	539 (a)
72	Boggy Creek.....	J. W. Smith.....	2-7	3	24	526
73	Cherry Creek.....	Michael Ruffing.....	1-85	1	26	549
74	Little Red Creek.....	Richard Zerbst.....	1-7	2	27	551
75	Spring Creek.....	Peter Schaefer.....	2-7	4	28	532
76	Antelope Creek.....	George Turner.....	6-7	1	30	537
77	Sow Belly Creek.....	Sarah Jordan.....	3-7	5	31	556



ARTESIAN WELL IN SEWARD COUNTY

ADJUDICATION OF CLAIMS.

The work of adjudication of claims for water under the law in force prior to April 4, 1895, has been handicapped by a lack of funds for traveling and incidental expenses. The rules adopted by the board in the matter of adjudications and hearings require that the adjudication of these claims shall be preceded by hearings. The balance in the fund for traveling and incidental expenses when your present secretary was appointed was \$102.27. It was not deemed advisable to exhaust this fund in hearing these cases until the season for irrigating had passed, lest the office be crippled in the distribution of water and the investigation of complaints and controversies requiring immediate attention.

In connection with other work the claims were investigated in the field as opportunity offered.

As shown in the following tables, seven of the claims not reached in adjudication are for water for irrigation, two for power and irrigation and seventeen for power purposes only. The claims for water for power purposes are from streams from which little if any water is used for irrigation and there is, therefore, but little conflict with other appropriations. For this reason the necessity for the early adjudication of these claims has not been urgent and the more pressing work was given the preference.

The following tables show claims which have not been reached in adjudication:

CLAIMS NOT ADJUDICATED IN DIVISION 1-A.

STREAM.	NAME OF CLAIMANT.	Postoffice Address.	Use to Which Applied.	Second feet applied for	Location of Head-gate.			Docket No.
					S.	T.	R.	
Ash Creek	McCormick, Calhoun	Chadron	Irrigation	1	30	33	47	1011
Lawrence Fork	Niehus, Henry	Redington	Irrigation	1	11	18	52	1010
Pumpkin Seed Creek..	Peters, John F.	Harrisburg.	Irrigation	4.8	34	20	56	913
Pumpkin Seed Creek..	Wisner & Skinner ..	Freeport	Irrigation	14.4	23	19	53	917
Spring Creek.....	Mozetter, Joseph R.	Crawford.....	Irrigation	2	13	32	52	1012
Wood River.....	Davis, J. H. & Son.	Gibbon.....	Power	40	13	9	14	993
Wood River.....	George, J. R.....	Shelton.....	Power	40	1	9	13	994
Wood River.....	Beauss, S.....	Kearney	Power	25.4	13	9	16	995

CLAIMS NOT ADJUDICATED IN DIVISION 2-A.

Loup River, South	Callaway Milling Co.	Callaway	Power	83	2	15	23	988
Muddy Creek.....	Benson, Wm. C.....	Litchfield.....	Power	54	33	14	16	999

CLAIMS NOT ADJUDICATED IN DIVISION 1-B.

STREAM.	NAME OF CLAIMANT.	Postoffice Address.	Use to Which Applied.	Second feet applied for	Location of Head-gate.			Docket No.
					S.	T.	R.	
Madison Creek	Lincoln Land Co. . . .	Lincoln	Power .....	.....	32	8	28	364
Red Willow Creek	Moore, William H. . . .	Cambridge	Power .....	.....	16	3	28	181
Sappa Creek	Zulauf, George W. . . .	Stamford	Power	41	21	2	20	997
Stinking Water Creek .	Cummings, Wm. R. . . .	Palisade	Irrigation and Power .....	.....	30	5	33	44
Turkey Creek	Wilt & Polly	Naponee	Power .....	.....	4	1	16	183

CLAIMS NOT ADJUDICATED IN DIVISION 2-B.

Elkhorn River, N. F'k.	S. City Cereal Mills.	Norfolk	Power	85	23	24	1	996
Union & Taylor Creeks	Bley, Louis G.	Madson	Power	75	32	22	1	998

CLAIMS NOT ADJUDICATED IN DIVISION 1-C.

STREAM.	NAME OF CLAIMANT.	Postoffice address.	Use to which applied.	Second feet applied for	Location of Head-gate.			Docket No.
					S	T	R	
Blue River, Little....	Wilson, C. W.....	Hastings.....	Irrigation.....	10	18	5	10	989
Blue River, Little....	Meyer & Seidenburg	Oak.....	Irrigation & power	143	16	3	5	991
Blue River, Little....	Philleo, Edgar A....	Ayr.....	Power.....	1	9	5	10	992

CLAIMS NOT ADJUDICATED IN DIVISION 2-C.

Niobrara River.....	Cornell, Chas.....	Valentine.....	Power.....	1209	8	33	27	407
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CLAIMS NOT ADJUDICATED IN DIVISION I-D.

STREAM.	NAME OF CLAIMANT.	Postoffice Address.	Use to Which Applied.	Second feet applied for	Location of Head-gate.			Docket No.
					S.	T.	R.	
TurkeyCreek.....	Lane, James.....	Pleasant Hill....	Power	150	4	7	3 E	990

CLAIMS NOT ADJUDICATED IN DIVISION 2-D.

Little Bordereax	Frady, C. H.....	Chadron.....	Irrigation	1	30	33	47	1009
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CLAIMS NOT ADJUDICATED IN DIVISION 1-E.

STREAM.	NAME OF CLAIMANT.	Postoffice address.	Use to which applied.	Second feet applied for	Location of Head-gate.			Docket No.
					S	T	R	
Lodge Pole Creek.....	McIntosh, John.....	Melrose.....	Irrigation.....	16	23	15	55	351

CLAIMS NOT ADJUDICATED IN DIVISION 2-E.

Licket Creek.....	Coffee, Samuel B....	Bodarc.....	Irrigation.....	2	27	33	54	1005
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CLAIMS NOT ADJUDICATED IN DIVISION 2-F.

Bazile Creek.....	Richard, Judson L..	Creighton.....	Power.....	All	21	29	5	1002
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ADJUDICATIONS.

The following tables show briefly the work of the secretary since November 30, 1898, in the adjudication of claims under the old law.

CLAMS IN DIVISION 1-A.

STREAM.	NAME OF CLAIM- ANT.	Use to Which Ap.	Second Feet.		Location of Headgate.			Date of Priority.			Docket No.	Remarks.
			Apl'd for.	Grn'd	S.	T.	R.	M.	D.	Y.		
Canon Cr. . .	McCarthy, J. J. . .	Irrigation..	½	.....	29	15	37	.....	.....	.....	1008	Dismissed.
Clear Creek.	Finch, H. M.	Irrigation..	.....	1.43	4	15	41	June	30	95	964	Rehearing pending.
Law'nce Fk.	Crigler, E. S.	Irrigation..	.....	.57	1	18	52	Sept.	11	91	861	Reheard, reaffirmed.
Platte River	Goth'b'g P. & I. Co	.....	.....	200	.....	.....	.....	July	5	90	.....	.....
		Irri. and P.	.....	240	.....	.....	.....	Sept.	22	94	645	App'l to Board pend'g.
Platte River	Cozad Ir. & P. Co.	Irri. and P.	1000	614.29	15	11	25	Dec.	26	95	626	App'l to Board pend'g.
N. Platte R.	Aufdengarter, L.	Irrigation..	70	.....	13	14	37	.....	.....	.....	734	Dismissed.
S. Platte R.	Stebbins, Lucien.	Irrigation..	200000	.....	32	14	32	.....	.....	.....	692	Reheard, dismissed.
N. Platte R.	Coe, Isaac.	Irrigation..	1500	.....	24	17	45	.....	.....	.....	784	Reheard, dismissed.
S. Platte R..	Ogalalla P. & I. Co.	Irrigation..	.....	.....	20	13	40	.....	.....	.....	758	Dismissed.

CLAIMS IN DIVISION 1-E.

STREAM.	NAME OF CLAIMANT.	Use to which applied.	Second feet granted.	Location of Head-gate.			Date of Priority.			Docket No.	Remarks.
				S	T	R	M	D	Y		
Lodge Pole Cr.	Booth, Firth..	Irrigation....	4.29	29	14	47	May	31	1888	309	Granted.
Lodge Pole Cr.	Oberfelder R S	Irrigation....	.43	31	14	46	June	10	1889		383	Granted.

CLAIMS IN DIVISION 2-E.

Cedar Creek...	Valdez, M'rc's	Irrigation....	.50	10	32	56	April	5	1886	976	Granted.
Hat Creek.....	Brewster, B E	Irrigation....	.93	16	32	55	June	1	1880	553	Granted.
Hat Creek.....	Coffee, Chas F	Irrigation....	2.71	26	33	55	Sept.	1	1881	512	Granted.
Jin Creek.....	Daut, Le'nard	Irrigation....	1	7	33	56	May	15	1889	981	Granted.
Creek.....	Coffee, Saml B	Irrigation....	.21	27	33	54	Mar.	31	1890	984	Granted.
Warbonn t Cr.	Brewster, B E	Irrigation....	2.86	21	33	56	July	31	1880	548	R heard and o- pinion rendered.

CLAIMS IN DIVISION 2-C.

STREAM.	NAME OF CLAIMANT.	Use to Which App.	Second feet		Location of Headgate.			Date of Priority.			Docket. No.	Remarks.
			Apl'd for	Grn'd	S.	T.	R.	M.	D.	Y.		
Niobrara River	McGinley & Stover	Irrigation...	.....	8.21	25	29	56	May.	1	87	513 (a)	Reheard granted.
Niobrara River	McGinley & Stover	Irrigation...	.....	1.71	25	29	56	May.	1	90	513 (b)	Reheard granted.
Niobrara River	Harris & Neece...	Irrigation...	.....	.....	3	28	55	.....	.....	.....	517	App. to b'rd pnd'g
Niobrara River	Harris, Octave...	Irrigation...	.....	2	6	28	56	Mich.	12	95	518	Reheard reaffirm'd
Niobrara River	Cook, James H...	Irrigation...	.....	3.54	1	28	56	May.	31	91	980	Granted.
Niobrara River	Hughes, John.....	Irrigation...	50	.....	1	28	52	.....	.....	.....	987	Contest pending.
Wooden Sp. Br.	Rhodes, F. J.....	Irrigation...	1-7	.....	25	35	20	.....	.....	.....	1001	Dismissed.

CLAIMS IN DIVISION 2-D.

STREAM.	NAME OF CLAIMANT.	Use to Which App.	Second feet		Location of Headgate.			Date of Priority.			Docket No.	Remarks-
			Apl'd for	Grn'd	S.	T.	R.	M.	D.	Y.		
Ash Creek (E)..	Cline, Chas. A.	Irrigation...	.....	.....	5	31	50	.....	.....	.....	1007	Dismissed.
Bordereaux Cr.	Mann, Wm.	Irrigation...	.....	.20	25	33	48	Dec...	31	92	975	Granted.
Chadron Creek	Record, A. A.	Irrigation...	.....	.57	1	32	49	June .	17	94	468	Reheard reaffirm'd
Charcoal Crk..	Weber, Martin J.	Irrigation...	.....	.11	33	31	53	Aug .	1	82	982	Granted.
White Clay Cr.	Hazleton, Mm. S.	Irrigation...	.....	1.14	13	31	52	May..	15	94	475	Reheard, opp. Ren.
White River...	Harris & Cooper..	Irrigation...	.....	16.80	25	32	52	Mar..	9	94	464	App. to br'd pnd'g
White River...	Craw. Co., Omaha.	Irri. & Pow.	.....	58.	23	31	53	Feb..	13	95	501	App. to br'd pnd'g
White River...	White R. Irri. Co.	Irrigation...	.....	1.00	.....	.....	.....	.....	.....	.....	.....	.....
White River...	White R. Irri. Co.	Irrigation...	.....	8.71	35	32	52	Dec...	31	94	477	Granted.
White River...	Est. A. V. Harris.	Irrigation...	.....	50	.....	.....	.....	.....	.....	.....	.....	.....
White River...	Hall, Leroy.	Irri. & Pow.	.....	26.04	34	32	52	Sept..	10	85	.....	.....
White River...	Seeley, Charles...	Power.....	.....	50	.....	.....	.....	Jan...	10	95	478	App. to br'd pnd'g
White River...	Carpn'ter, E.J.&Co	Irrigation...	.....	2.86	1	32	51	.....	.....	.....	486	Dismissed.
White River...	Carpn'ter, E.J.&Co	Irrigation...	.....	2.86	1	32	51	Dec...	2	94	487	Granted.

STATE BOARD OF IRRIGATION

APPLICATIONS FOR PERMITS TO APPROPRIATE
WATER.

On March 31, 1900, the date of Mr. Wilson's report, there were on file seventy-three applications for permits to appropriate water on which no action had been taken by the secretary. Since that date, thirty-nine have been filed. Of the above described applications, forty-nine have been approved and thirty dismissed or abandoned. No applications for rehearings have been filed in these cases. In addition to the above, there were four applications for relocation of works filed, all of which have been approved. There remain at this date thirty-four applications awaiting the action of the secretary.

Since the enactment of the present irrigation law, there have been filed in the office of the board, 588 applications. Of these 367 have been approved and 161 dismissed. The permits approved carry the right to appropriate 11,879 cubic feet of water per second of time and are intended to reclaim 509, 323 acres of land.

The applications for permits to divert and appropriate water embrace several forms of beneficial use, including power, domestic use, fish culture and irrigation. The greater number, however, are for water for irrigation.

The advanced condition of the work of adjudication of claims and contests growing out of the filings under the old law, and the progress made in disposing of applications which have been on file for a considerable time, enables the secretary to investigate and pass upon new applications without delay.

The closely appropriated condition of the water of many of the smaller streams makes the careful investigation and consideration of new applications a matter of great importance.

The following tables show applications approved and applications dismissed from November 30, 1898 to November 30, 1900:

APPLICATIONS APPROVED IN DIVISION 1-A.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Use to Which Ap.	Second feet Granted.	Location of Head-gate.			Date of Priority.			App. No.
				S.	T.	R.	M.	D.	Y.	
Birdwood Creek.....	Hinman, Maud.....	Irrigation..	20	27	17	33	July	8	96	355
Blue Creek.....	Paisley, Ira & H F. Ramesy..	Irrigation..	20	33	17	42	Sept.	14	98	471
Blue Creek.....	Delatour, S. P.....	Irrigation..	10	14	18	43	Feb.	20	99	495
Blue Creek.....	Ramsey, A. F. & Ira Paisley..	Irrigation..	4	33	17	42	July	14	99	515
Clear Creek.....	Reason, Paul J.....	Irrigation..	1	17	18	53	Oct.	27	97	484
Clear Creek.....	Wilson, Alexander.....	Irrigation..	1.14	31	15	34	Apr.	30	97	319
Clear Creek.....	Brogan, Hughey.....	Irrigation..	.86	30	15	34	Oct.	18	97	417
Clear Creek.....	Schlademan, Louis.....	Irrigation..	.29	5	14	34	Mar.	29	98	446
Coon Creek.....	Winters, Wm. H.....	Irrigation..	.71	34	15	27	July	3	95	69
Dugout Creek.....	Dolph, Chas. E.....	Irrigation..	.04	4	19	4	Oct.	10	99	522
Fremont Slough.....	S einhauser, Albert.....	Irrigation..	.9	1	13	32	Mar.	19	96	260
Golden Creek.....	Thies, Michael J.....	Irrigation..	3.43	25	15	39	Sept.	17	95	160
Greenwood Creek.....	Meglemre, Sarah A.....	Irrigation..	.57	10	18	50	May	6	96	295
Horse Creek.....	Roberts, S. L.....	Irrigation..	9	34	23	58	Sept.	17	99	408
Lawrence Fork.....	Crigler, E. S.....	Irrigation..	1.28	1	18	52	Nov.	15	98	486
Lawrence Fork.....	Harper, J. W.....	Irrigation..	.57	1	18	52	Oct.	13	98	476
North Platte River.....	LaMoore, Fred E.....	Irrigation..	20	34	11	48	July	18	96	327
North Platte River.....	Eg. Farm & S. I. Co.....	Irrigation..	400	24	17	45	July	19	99	511
Owl Creek.....	Kellums, John H.....	Irrigation..	1.14	12	22	58	Sept.	17	97	417
Platte River.....	Burritt, Newell.....	Irrigation..	30	2	12	28	Aug.	25	95	118
Platte River.....	Lucas & Fort Kearney Irr. Co.	Irrigation..	100	13	8	18	Mar.	4	96	264
Platte River.....	Lowell Farmers Irr. Co.....	Irrigation..	114	15	8	14	July	27	96	351
Platte River.....	Millbourn, Abraham L.....	Irrigation..	.57	2	8	20	Jan.	7	97	375
Platte River.....	Lexington South Side Irr. Co.	Irrigation..	58	8	9	22	Sept.	28	00	576
Plum Creek.....	Barrett, Helena E.....	Irrigation..	.50	23	16	42	Dec.	10	97	422

APPLICATION APPROVED IN DIVISION 1-A.—Concluded.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Use to Which Ap.	Second feet Granted.	Location of Head-gate.			Date of Priority.			App. No.
				S.	T.	R.	M.	D.	Y.	
Pumpkin Seed Creek....	Wilson, Thos. H.....	Irrigation..	.71	17	19	53	June	94	95	46
Pumpkin Seed Creek....	Halloway, J. P.....	Irrigation..	2	28	19	50	Jan.	14	99	492
Sheep Creek.....	Sturdivant, Joseph.....	Irrigation..	.29	12	25	58	Oct.	10	95	182
South Platte River.....	Mason, Elmer P.....	Irrigation..	16	2	12	36	Aug.	24	95	130
South Platte River.....	Meyer, Henry.....	Irrigation..	2.86	22	13	40	Apr.	14	96	283
South Platte River.....	Reed, Orin & H. Carnahan...	Irrigation..	20	16	13	39	July	10	96	357
South Platte River.....	Allen, Wm F.....	Irrigation..	9	24	13	4	Dec.	15	96	370
South Platte River.....	Paxton Irr. District.....	Irrigation..	42	1	13	38	Mar.	22	97	387
South Platte River.....	Western Irr. District.....	Irrigation..	180	14	12	43	June	14	97	393
South Platte River.....	Kimball & Leach.....	Irrigation..	6.29	4	12	42	Nov.	8	98	482
Snake Creek.....	Elmore, Mike.....	Irrigation..	6	30	25	51	June	22	95	41
Spring Branch.....	Frogan Bros.....	Irrigation..	.57	35	15	37	Sept.	24	97	410
White Tail Creek.....	Bower, John H.....	Irrigation..	2.86	36	15	38	Oct.	29	97	420
White Tail Creek.....	Leonard, Mark J.....	Irrigation..	1.43	28	16	38	May	4	99	507
Wood River.....	Klein, J. J.....	Ir. & Fish P.	.06	8	9	15	Mar.	14	1900	545 (a)

APPLICATIONS APPROVED IN DIVISION 2-A.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Use to which applied.	Second Feet		Location of Head gate.			Date of Priority.			App. for
			Ap. for	Gr'nt'd	S	T	R	M	D	Y	
Loup R., North...	Compton Ir & P'w'r Co	Irrigation....		35	4	25	26	Nov.	19	1895	190
Loup R., North...	Johns, H T & J Wilson	Power.....		250	19	21	16	Apr.	8	1896	282
Loup R., North...	Keller & Company....	Irrigation....		7	16	26	27	July	13	1896	326
Loup R., North...	Dowell, Thos. E.....	Irrigation....		1.71	15	28	35	Apr.	15	1897	386
Loup R., North...	Smith, Wm.	Irrigation....		20	24	21	17	Aug.	27	1897	403
Muddy Creek....	Conley, John W.....	Irrigation....		.50	32	17	20	Feb.	17	1896	236
Platte River.....	Fremont Canal & Pr Co	Irrig & power	Irrig	200							
			Power	2500	30	17	4-E	June	21	1895	40
			Irrig	100							
			Power	1500	1	16	8-E	Oct	25	1892	480
Platte & Elkh'n Rs	Seymour Pk Cnl & pr Co	Power & Irri.		2.29	27	27	29	June	30	1895	67
Brush Creek.....	Roueche, Peter S.....	Irrigation....		29	16	23	18	Nov.	20	1895	202
Calamus River....	Calamus Val. Irr. Co..	Irrigation....		35	16	23	18	Feb.	6	1896	226
Calamus River....	Shoemaker, A. E.....	Irrigation....		2	1	25	27	April	10	1896	286
Calf Creek.....	Cady, Wm. E.....	Irrigation....		.71	18	26	27	Sept	30	1895	175
Cow Creek.....	Erier, Julius.....	Irrigation....		8	13	25	24	June	25	1896	345
Goose Creek.....	Crook, Frederick.....	Irrigation....		.29	29	23	17	July	9	1897	397
Gracie Creek.....	Krueger, George.....	Irrigation....	Irrig	200							
Loup River.....	Nebr Central Irr Co...	Irrig & Power	Power	800	27	17	4	Dec.	26	1899	527
Loup R. Middle Br	Grier, Peter.....	Irrigation....		5	20	24	30	June	10	1895	10
Loup R. Middle Br	Jewett, L. H.....	Irrigation....		4.29	30	22	24	Aug.	12	1895	113
Loup R. Middle Br	Kenyon, Chas. T.....	Irrig & Power	Irriga	5							
Loup R. Middle Br	Harris, L. H.....	Irrigation....		65	30	13	12	Dec.	5	1895	200
Loup R. Middle Br	Harris, L. H.....	Irrigation....		21.43	16	22	25	Feb.	21	1896	248
Loup R. Middle Br	Patton, Jas. A.....	Irrigation....		20	16	17	16	Mar.	6	1896	262
Loup R. Middle Br	Grier Irr Canal No. 2..	Irrigation....		25	21	24	30	Mar.	29	1896	281
Loup R. Middle Br	Sargent Canal Co.....	Irrigation....		29	12	19	19	Sept.	28	1897	412

STATE BOARD OF IRRIGATION

APPLICATIONS APPROVED IN DIVISION 2-A.—Concluded.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Use to which applied.	Second feet.		Location of Head-gate.			Date of Priority:			App. for
			Ap. for	Gr'nt'd	S.	T.	R.	M.	D.	Y.	
Loup R, Middle Br	Webster, Lovell E.	Irrigation . . . . .	.....	1.71	20	19	17	Mar.	5	1898	442
Loup R, Middle Br	Webster, Lovell F.	Irrigation . . . . .	.....	8.57	20	19	17	May	3	1899	505
Loup R, North....	Roueché, Peter S.	Irrigation . . . . .	.....	15	15	27	29	June	12	1895	18
Loup R, North....	Northup, H. A.	Irrigation . . . . .	.....	20	29	24	24	June	25	1895	51
Loup R, North....	Vandegift, Evans R. . .	Irrigation . . . . .	.....	8.57	33	27	28	Aug.	7	1895	103
Loup R, North....	Edwards, H. B.	Irrigation . . . . .	.....	20	27	27	28	Aug.	7	1895	258
Loup R, North....	Edgar, H. R.	Irrigation . . . . .	.....	10	27	27	28	Aug.	9	1895	105
Loup R, North....	Covey, A. L.	Irrigation . . . . .	.....	100	25	19	14	Oct.	25	1895	165
Loup R, North....	Body, William.	Irrigation . . . . .	.....	5.71	5	25	26	Nov.	1	1895	169
Loup R, North....	Keller, Geo W & Oliver	Irrigation . . . . .	.....	20	21	26	27	Nov.	14	1895	187

APPLICATIONS APPROVED IN DIVISION 1-B.

November 30, 1998. to November 30, 1900.

STREAM.	NAME OF APPLICAAANT.	Use to Which Ap.	Second feet Granted.	Location of Head-gate.			Date of Priority.			App. No.
				S.	T.	R.	M.	D.	Y.	
Coates Creek.....	Burton, R. D.....	Irrigation..	.71	33	2	14	Mar.	6	1999	501
Cook Creek.....	Sharpnac, W. A.....	Irrigation..	1	4	1	18	Feb.	21	1996	251
Frenchman River.....	Sheeks, D. P.....	Irrigation..	2.86	8	4	33	June	24	1995	47
Republican River.....	Harmon, W. H.....	Ice.....	10	32	3	29	Jan.	22	1900	535
Republican River.....	Walsh, Patrick.....	Irr. and Ice	11	35	3	30	Jan.	31	1900	537
Rock Creek.....	Rock Creek Ditch Co.....	Irrigation..	1	13	2	40	Dec.	18	1899	526
Thompson Creek.....	Johnson, Theo.....	Irrigation..	1	4	2	13	Sept.	30	1895	174
Turkey Creek.....	Waters, E. H.....	Irrigation..	5	31	4	21	Aug.	4	1900	571

APPLICATIONS APPROVED IN DIVISION 2-B NOVEMBER 30, 1898, TO NOVEMBER 30, 1900.

STREAM.	NAME OF APPLICANT.	Use to Which Applied.	Second ft. granted	Location of Head-gate.			Date of Priority.			Applic'n No.
				S.	T.	R.	M.	D.	Y.	
Battle Creek.....	Herbison, Hugh.....	Power	10.67	36	24	3	Nov..	12	98	484
Oak Creek	Eiche, Herman.....	Irrigation . . . . .	.71	17	10	6	Jan...	4	99	489
Silver Creek.....	Swift & Co.	Storage.....	10	7	13	9-E	Dec..	6	99	524

APPLICATIONS APPROVED IN DIVISION 1-D NOVEMBER 30, 1898, TO NOVEMBER 30, 1900.

Turkey Creek	James, William.	Irrigation.....	2.29	14	7	3-E	Mch..	25	96	271
Turkey Creek	Lane, James K.	Irrigation	1.21	4	7	3-E	July..	16	95	81
Turkey Creek	Lakin, William H. . .	Irrigation . . . . .	.2	34	8	2-E	Jan..	27	96	218

APPLICATIONS APPROVED IN DIVISION 2-D.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Use to Which Ap.	Second feet Granted.	Location of Head-gate.			Date of Priority.			App. No.
				S.	T.	R.	M.	D.	Y.	
Ash Creek.....	Connell, John.....	Irrigation..	.86	6	32	50	June	17	98	459
Ash Creek, W. Br.....	Woodard, Sidney D.....	Irrigation..	.14	25	32	51	Feb.	3	98	434
Ash Creek.....	Cripps, Fred W.....	Irrigation..	1	13	32	51	Jan.	10	99	491
Ash Creek, E. Br.....	Sheldon, Clarence A.....	Irrigation..	1.43	30	32	50	Jan.	26	99	493
Ash Creek, E. Br.....	Todd, Frank P.....	Irrigation..	1	5	31	50	Sept.	12	99	520
Beaver Creek.....	Stastry, Frank.....	Irrigation..	.36	4	33	46	July	30	95	330
Beaver Creek.....	Novak, Francis.....	Irrigation..	1	9	33	43	May	7	96	331
Beaver Creek.....	Hysler, F. B.....	Irrigation..	.33	20	34	46	May	14	96	313
Beaver Creek.....	Dietel, John M.....	Irrigation..	.29	32	34	46	Apr.	11	98	447
Beaver Creek.....	Cilek, Frank.....	Irrigation..	.36	4	33	46	June	19	99	513
Bordeaux Creek.....	O'Donnell, John.....	Irrigation..	.36	9	34	48	Jan.	17	98	432
Bordeaux Creek.....	Nelson, Peter B.....	Irrigation..	.36	14	33	48	Oct.	19	98	478
Bordeaux Creek.....	Nelson, Peter B.....	Irrigation..	.36	14	33	48	Jan.	28	99	494
Branch Creek.....	Serbousek, Anthony.....	Irrigation..	.14	28	33	46	May	7	96	332
Cedar Creek.....	Golden, Theodore F.....	Irrigation..	.43	16	33	53	Mar.	1	97	380
Chadron Creek.....	Mann, Chas.....	Irrigation..	.43	24	32	49	May	11	96	299
Chadron Creek.....	Frick, Lewis.....	Irrigation..	.36	31	32	48	July	1	97	396
Cottonwood, Little.....	Stuart, Jas. G. & John T.....	Irrigation..	2.86	8	32	52	June	10	95	8
Cottonwood, Little.....	Kusel, Wm. T.....	Irrigation..	1.71	9	32	51	Oct.	16	95	183
Cottonwood, Little.....	Simmons, Raynor.....	Irrigation..	1.14	9	32	51	Sept.	12	99	521
Cottonwood, Big.....	Rasmussen, Nels.....	Irrigation..	2.29	10	33	52	Mar.	8	98	444
Cottonwood, Big.....	Rasmussen, Nels.....	Irrigation..	18	10	33	52	Dec.	26	99	528
Deadman Creek.....	Con, Lindeman.....	Irrigation..	.29	18	30	52	June	11	00	564
Deadman Creek.....	Stewart, H. G.....	Irrigation..	.57	19	30	52	May	8	96	334
Deadman Creek.....	Porter & Rasmussen.....	Irrigation..	1.43	1	30	53	May	29	00	562

APPLICATIONS APPROVED IN DIVISION 2-D.—Continued.

November 30, 1898. to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Use to Which Ap.	Second feet Granted.	Location of Head-gate.			Date of Priority.			App. No.
				S.	T.	R.	M.	D.	Y.	
Deep Creek.....	Green, M. H.....	Irrigation..	.29	9	30	50	Oct.	5	95	203
Dirty Creek.....	Wisdom, Aaron O.....	Irrigation..	.29	7	33	52	Feb.	3	98	435
Deadman Creek.....	Phillips, Winfield S.....	Irrigation..	.21	18	30	52	Mar.	19	00	547
Dry Creek.....	Antrim, John.....	Irrigation..	.71	1	33	52	Sept.	11	95	155
Dry Creek.....	Braddock, James F.....	Irrigation..	1.14	12	34	47	Aug.	15	98	463
Indian Creek (Trib.).....	Kaiser, Omar A.....	Irrigation..	.57	28	32	50	Feb.	15	00	440
Indian Creek.....	Franklin Boyer.....	Irrigation..	.86	28	32	50	Apr.	30	00	559
Larabee Creek.....	Davis, Wilber R.....	Irrigation..	.43	16	34	44	Sept.	29	96	361
Ravine.....	Carlson, Andrew A.....	Irrigation..	1	21	33	52	Sept.	20	97	409
Sand Creek.....	Bendix, Fred.....	Irrigation..	.57	35	33	53	Nov.	19	95	189
Sand Creek.....	Carlson, Andrew A.....	Irrigation..	1	32	33	52	Feb.	28	98	440
Sand Creek (Trib.).....	Jordan, M. D.....	Irrigation..	.5	31	33	53	Apr.	2	00	557
Sawlog Creek.....	Dietrick, J. S.....	Irrigation..	.29	32	31	51	Apr.	8	97	382
Spring Creek.....	Simmons, Raynor.....	Irrigation..	.43	8	32	51	Jan	3	98	426
Squaw Creek.....	Barton Albert.....	Irrigation..	.42	20	31	51	Apr.	2	00	552
Squaw Creek.....	Daniels & Stetson.....	Irrigation..	1	19	31	51	June	17	95	27
Squaw Creek.....	Cooper, Willi m.....	Irrigation..	2.29	36	32	52	May	8	96	333
Squaw Creek.....	Duncan, Geo. W.....	Irrigation..	.29	28	31	51	Sept.	6	98	465
White Clay Cr. (Sherd'n)	Ball, R. M.....	Irrigation..	.50	23	33	45	May	29	96	305
White Clay Creek.....	Hutzell, Levi.....	Irrigation..	.21	13	33	45	May	29	96	306 (a)
White Clay Creek.....	Hutzell, Levi.....	Irrigation..	1	12	33	45	May	29	96	306 (b)
White Clay Creek.....	Hutzell, Levi.....	Irrigation..	.21	14	33	45	May	29	96	306 (c)
White Clay Creek.....	Hutzell, Levi.....	Irrigation..	1.43	14	33	45	May	29	96	306 (d)
White Clay Cr. (Dawes).	Brockway, D. L.....	Irrigation..	1	36	31	52	Feb.	27	96	256
White Clay Cr. (E. Br.)..	Thornton, W. A.....	Irrigation..	.18	12	30	52	Sept.	6	97	406

APPLICATIONS APPROVED IN DIVISION 2-D.—Concluded.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Use to Which Ap.	Second feet Granted.	Location of Head-gate.			Date of Priority.			App. No.
				S.	T.	R.	M.	D.	Y.	
White River.....	Force, Franklin.....	Irrigation..	.03	31	31	54	June	25	95	50
White River.....	Thompson, Howard.....	Irrigation..	.50	19	32	51	May	10	96	456
White River.....	Mason, Jas. T.....	Irrigation..	.14	32	31	53	May	12	96	337
White River.....	Lewis, L. C.....	Irrigation..	.21	27	31	55	May	19	96	340
White River.....	Jones, Edgar B.....	Irrigation..	1.29	18	34	48	May	21	97	391
White River.....	Schwabe, Lina.....	Irrigation..	1.14	25	34	49	June	21	97	394
White River.....	Wilkinson, Thos.....	Irrigation..	.86	24	32	52	Nov.	18	97	421
White River.....	Stewart, Aaron.....	Irrigation..	.94	10	33	51	Jan.	8	98	427
White River.....	Zuen, Adam & Wm. Schmelzle	Irrigation..	1	19	32	51	Oct.	13	98	475
White River.....	Mecham, Garfield & Canfield.	Irrigation..	2.86	17	32	51	June	27	95	500
White River.....	Schaeffer, G. & Rosina Blust..	Irrigation..	3	10	32	51	Dec.	18	99	425
White River.....	Rasher, Frank.....	Irrigation..	1.43	19	32	51	Jan.	16	00	534

STATE BOARD OF IRRIGATION

APPLICATIONS APPROVED IN DIVISION 1-E.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Use to Which Applied.	Second feet Granted.	Location of Head-gate.			Date of Priority.			Applica- tion No.
				S.	T.	R.	M.	D.	Y.	
Lodge Pole Creek....	Couch, Arabella....	Irrigation and Power	.7	.....	14	50	July.	24	95	89
Lodge Pole Creek....	Burg, Charles C....	Irrigation .....	.7	30	15	53	Mich	3	97	381
Lodge Pole Creek....	Bullock, W. C.....	Irrigation .....	.5	4	13	46	Feb..	16	98	437
Lodge Pole Creek....	Forsling, Alfred....	Irrigation .....	.2	36	15	57	May.	16	98	454
Lodge Pole Creek....	Kinney, Lambert C.	Irrigation	5.	2	14	58	Apr.	15	99	504
Lodge Pole Creek....	Cole, Luther L.....	Irrigation	1.	2	12	45	Jan.	22	00	536
Lodge Pole Creek....	Weigand, Henry G..	Irrigation	2.	17	13	45	May.	31	00	563
Lodge Pole Creek....	Neumann, August..	Irrigation	2.	36	13	45	June	12	00	565

APPLICATIONS APPROVED IN DIVISION 2—E.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Use to which applied.	Second feet granted.	Location of Head-gate.			Date of Priority.			App. No.
				S	T	R	M	D	Y	
Antelope Cr (N).....	Story, Solomon R.....	Irrigation.....	2	8	34	56	Nov	11	95	168
Antelope Cr (N).....	Ellis, S. L.....	Irrigation.....	.29	9	33	57	May	17	96	338
Boggy Creek E.....	Martin, William.....	Irrigation.....	.36	18	32	54	Apr	13	95	342
Hat Creek.....	Antrim, Z. F.....	Irrigation.....	.57	3	32	55	June	17	95	25
Hat Creek.....	Miller Wm.....	Irrigation.....	1	23	33	55	May	19	96	341
Hat Creek.....	Haas, Catherine.....	Irrigation.....	.43	2	33	55	May	8	99	510
Hat Creek.....	Baumgard, Adam.....	Irrigation.....	.50	30	34	55	June	28	00	569
Jim Creek.....	Slattery Wm.....	Irrigation.....	.86	13	33	57	June	12	95	14
Jim Creek (E Br).....	Myers, John F.....	Irrigation.....	.36	23	33	54	June	3	98	457
Jim Creek (Trib of).....	Hunter, Henry C.....	Irrigation.....	.03	26	33	54	May	12	98	451
Long Branch.....	Borky, Solomon.....	Irrigation.....	1.1	23	35	54	Apr	19	00	557
Lickett Creek.....	Coffee, Samuel B.....	Irrigation.....	1.43	34	33	54	Mar	21	00	549
Monroe Cr (Left Br).....	Noreisch, William.....	Irrigation.....	.06	33	33	56	July	19	95	83
Monroe Creek.....	Brumbaugh Samuel.....	Irrigation.....	.43	22	33	56	Aug	12	95	112
Richards Branch.....	Woodruff, H. S.....	Irrigation.....	.50	7	33	53	June	26	95	52
Sowbelly Creek.....	Burke, J. B.....	Irrigation.....	.57	5	32	55	July	5	95	63
Sowbelly Creek.....	Jordan, Sarah.....	Irrigation.....	1	21	33	55	May	11	96	424
Sowbelly Cr (W Br).....	Nutto, Frank.....	Irrigation.....	.43	24	32	56	Sept	4	97	404
Sowbelly Creek.....	Carroll, Michael J.....	Irrigation.....	.14	7	32	55	July	12	99	516
Sowbelly Cr (Trib).....	Zimmerman, W. H.....	Irrigation.....	.71	34	33	55	Jan	11	00	532
Spring Creek.....	Hall, F. M.....	Irrigation.....	.57	6	32	55	Aug	2	99	518
Squaw Creek.....	Dunn, Thomas.....	Irrigation.....	.57	10	33	57	Aug	5	95	100
Squaw Creek.....	Hamlin, Douglas N.....	Irrigation.....	.43	10	33	57	June	12	96	313
Squaw Creek.....	Dunn, Phillip D.....	Irrigation.....	.86	3	33	57	Jan	22	97	376
Warbonnet C (N Br).....	Ellis, R. T.....	Irrigation.....	.29	25	33	57	May	17	96	339

APPLICATIONS APPROVED IN DIVISION 2-C.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Use to Which Ap.	Second feet Granted.	Location of Head-gate.			Date of Priority.			App. No.
				S.	T.	R.	M.	D.	Y.	
Abitz Creek.....	Fullerton, James B.....	Irrigation..	.36	18	30	13	Mch	23	96	278
Antelope Creek.....	Julian, A. R.....	Irrigation..	1	20	32	40	Aug.	19	95	119
Beaver Creek.....	Hughes, Fred.....	Irrigation..	.86	18	33	15	Aug.	22	95	124
Benner Creek.....	Gillespie, B. S.....	Irrigation..	1.14	31	33	11	Jan.	6	96	213
Benner Creek.....	Progress Irri. & Col. Society	Irrigation..	1.14	32	33	11	June	29	96	320
Blackbird Creek.....	Bradt, Ella.....	Irrigation..	1.14	26	30	11	Dec..	14	95	195
Blackbird Creek.....	Roberts E. F.....	Irrigation..	.43	29	31	11	June	25	96	318
Boadman Creek.....	Beekley, Samuel S.....	Irrigation..	1.71	13	30	31	July.	14	97	398
Boardman Creek.....	Ganow & Sons, J. M.....	Irrigation..	2	19	30	31	Mch	31	99	503
Bone Creek.....	Strenger, Theo.....	Irrigation..	7	16	31	21	Feb..	7	96	221
Box Butté Creek.....	Sandoz, William.....	Irrigation..	1.14	29	29	45	Jan..	13	1900	533
Brush Creek.....	Johnson, J. Victor.....	Irrigation..	.71	26	32	14	Mch	26	96	272
Brush Creek.....	Nebraska Town Site Co.....	Power.....	15	23	23	13	Sept.	28	98	474
Burton Creek.....	Mutz, Otto.....	Irrigation..	2	2	33	20	Sept.	2	95	142
Cedar Gulch.....	Taft, Reuben S.....	Irrigation..	1	14	32	16	Dec..	29	96	372
Cottonwood Creek.....	Vifquain, Elmer T.....	Irrigation..	1.14	21	35	22	Apr.	23	96	293
Cottonwood Creek.....	Fendrick & Lichter.....	Irrigation..	1.07	22	29	48	May.	9	96	386
Crreek from Canon.....	Opperan, Laura B.....	Irrigation..	.29	19	32	20	Aug.	1	95	254
Eagle Creek (S. Br.).....	Mann, John.....	Irrigation..	.71	17	30	13	June	19	95	37
Eagle Creek (N. Br.).....	Tesch, Fred.....	Irrigation..	.07	27	31	13	Sept.	18	95	162
Eagle Creek (S. Br.).....	Bruder, Joseph.....	Irrigation..	.29	19	30	13	Feb..	6	96	227
Gordon Creek.....	Beer George.....	Irrigation..	1	1	31	29	Feb..	27	99	498
Gordon Creek.....	Beer, George.....	Irrigation..	5-7	2	31	29	Feb..	27	99	497
Hay Creek.....	Balch, T. C.....	Irrigation..	1	11	32	40	Aug.	10	95	110

APPLICATIONS APPROVED IN DIVISION 2-C.
November 30, 1898, to November, 30 1900.

STREAM.	NAME OF APPLICANT.	Use to Which Ap.	Second fee. Granted.	Location of Head-gate.			Date of Priority.			App. No.
				S.	S.	R.	M.	D.	Y.	
Horse Shoe Lake.....	Kortz, Arthur		1	11	34	49	Apr.	13	96	287
Holt Creek	Carnahan & Webster	Irrigation..	.14	19	35	20	Aug.	15	95	116
Jordan Creek.....	Thiede, Fred L.....	Irrigation..	.14	34	35	20	June	25	97	395
Jordan Creek.....	Lewis, Frank A.....	Irrigation..	1	23	35	20	June	28	99	514
Minnechaduzza Creek.....	Gilman, Stephen S.....	Power	35	30	34	27	Sept.	2	96	359
Niobrara River.....	Bourett, Wm.....	Irrigation..	2.29	33	30	56	June	8	95	4
Niobrara River.....	Bourrett, Peter.....	Irrigation..	1.43	29	30	56	June	10	95	5
Niobrara River.....	Hughes, John.....	Irrigation..	3.29	1	28	52	June	26	95	53
Niobrara River.....	Harris, Octave.....	Irrigation..	4.43	6	28	54	July	3	95	60
Niobrara River.....	Ussher, Henry C.....	Irrigation..	1.86	19	29	46	July	17	95	82
Niobrara River.....	Moore, Benj. F.....	Irrigation..	14	9	28	53	July	22	95	88
Niobrara River.....	Hatch & Cross.....	Irrigation..	5.14	25	29	50	Aug.	14	95	469
Niobrara River.....	McConaughey, A. N.....	Irrigation..	3.43	26	29	47	Aug.	30	95	137
Niobrara River.....	Irion Bros.....	Irrigation..	5	1	28	54	Mch.	29	96	157
Niobrara River.....	Mettlen, Moore & Irion.....	Irrigation..	10	4	28	54	Apr.	27	96	292
Niobrara River.....	Vincent, David C.....	Irrigation..	1	10	28	52	May	29	96	344
Niobrara River.....	McMannis & Neeland.....	Irrigation..	2.29	29	29	49	Apr.	9	98	448
Niobrara River.....	Armstrong, Thurlow S.....	Power.....	1.50	9	33	13	May	14	98	452
Niobrara River.....	Bourrett, James F.....	Irrigation..	1	29	30	56	Mch.	5	1900	542
Niobrara River.....	Neeland, John F.....	Irrigation..	4	31	29	48	Dec.	11	99	529
Niobrara River.....	Hough, W. H.....	Irrigation..	1	32	20	56	Jan.	22	1900	538
Niobrara River.....	Bourrett, John S.....	Irrigation..	2	19	30	56	Mch.	17	1900	546
Niobrara River.....	H. A. Peters, C. A. Waterman and J. S. Brown.....	Irrigation..	14.29	29	29	47	Sept.	27	95	173
Plum Creek.....	Wilbert, Robert.....	Irrigation..	.43	35	32	23	May.	5	96	329
Pole Creek.....	Julian, A. R.....	Irrigation..	1	28	32	40	Aug.	19	95	120

APPLICATIONS APPROVED IN DIVISION 2-C.

November 30, 1898, to November 30, 1899.

STREAM.	NAME OF APPLICANT.	Use to Which Ap.	Second fest. Granted.	Location of Head-gate.			Date of Priority.			App. No.
				S.	T.	R.	M.	D.	Y.	
Redbird Creek	Brennan, James A.	Irrigation..	.43	26	30	11	Apr.	8	96	284
Sandy Creeh (Big).....	Morrow, John C.	Irrigation..	6	10	31	15	July.	5	95	61
Sandy Creek (Big).....	Wheeler, Theodore.....	Irrigation..	1.14	8	31	15	June	24	96	315
Schlegel Creek.....	Ferritt, John.....	Irrigation..	.29	24	33	28	Jan.	9	99	490
Shobo Br. and Sizer Br.	Lamb, Andrew J.	Irrigation..	.57	30	33	11	July.	6	96	322
Spring Creek.....	Kuskie, A. K.	Irrigation..	.86	27	34	25	Mch	30	1900	555
Spring Creek.....	Townsend, M. M.	Irrigation..	1.14	35	34	19	Mch	28	96	274
Spring Creek.....	Opperman, Henry M.	Irrigation..	.57	29	32	20	June	10	96	310
Spring Creek.....	Opperman, Laura B.	Irrigation..	.50	19	32	20	Dec..	12	96	369
Turkey Creek.....	LaRue, Charles.....	Irrigation..	.50	35	33	23	Feb.	9	1900	539
Verdgris Creek.....	Harvey, Adaline.....	Irrigation..	.14	22	28	8	Aug.	9	95	106
Whistle Creek.....	Miller, William K.	Irrigation..	.86	13	28	54	June	6	95	65
Whistle Creek.....	Irion, Edward.....	Irrigation..	1.71	12	28	54	June	28	95	58
Wooden Spring Branch.....	Rhodes, F. J.	Irrigation..	.14	25	35	20	Apr.	8	99	544
Wooden Spring Branch.....	Rhodes, F. J.	Irrigation..	.21	25	35	20	June	19	99	512
Young Creek.....	Lamb, Andrew J.	Irrigation..	.71	32	33	11	June	13	96	311

APPLICATIONS DISMISSED IN DIVISION 1-A

November 30, 1898, to November 30, 1900

STREAM.	NAME OF APPLICANT.	Location of Head-gate.			App. No.
		S	T	R	
Ash Creek.....	McCormick, Calhoun.....	16	16	42	159
Ash Creek.....	Parker, Ultra M.....	3	16	42	461
Ash Creek.....	Parker, Ultra M.....	10	16	42	470
Birdwood Creek.....	Eq. Farm & Stock Imp. Co.....	35	15	33	204
Birdwood Creek (East Fork).....	Hinman, Maude.....	21	17	33	468
Birdwood Creek.....	Suburban Irr. Dist.....	2	14	3	472
Blue Creek.....	Hooper, Jas. and David.....	6	16	42	466
Box Elder Creek.....	Reasor, Paul J.....	16	18	53	414
Fox Creek.....	Fox & Ramsey.....	9	16	43	458
Greenwood Creek.....	Geis, Frederick.....	4	17	50	73
Greenwood Creek.....	Dean, Henry T.....	10	18	50	304
Horse Creek.....	Roberts, Samuel L.....	33	23	58	543
Overflow Creek.....	Eleazor, D. Penden.....	1	11	23	561
Platte River.....	Newark Ditch Co.....	24	8	16	9
Platte River.....	Evans, Griffith J.....	21	8	15	20
Platte River (North Channel).....	Shelton Irr. Co.....	4	8	14	21
Platte River (Middle Channel).....	Clarks Island Ditch.....	1	8	14	86
Platte River.....	Williamsburg Irr. Canal Co.....	7	8	20	224
Platte River.....	Orchard and Alfalfa Irr. Co.....	9	10	24	360
Platte River (South Channel).....	Bernhard, Jacob.....	1	8	18	11
Platte River.....	Lucas, John R.....	15	8	18	566
Platte River, North.....	Reimers, Henry.....	18	14	34	258
Platte River, North.....	LaMore, Fred E.....	34	19	48	297
Platte River, South.....	Lawler, Ellsworth & Record.....	9	13	37	232

APPLICATIONS DISMISSED IN DIVISION 1-A.—Concluded.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Location of Head-gate.			App. No.
		S	T	R	
Platte River, South.....	Lawler, Ellsworth, Record & Sheridan.....	1	13	38	300
Platte River, South.....	Searle, E. M.....	17	13	39	308
Platte River, South.....	Miller, F. L.....	31	13	41	354
Platte River, South.....	Stafford, Daniel.....	9	13	4	425
Plum Creek.....	Meeker, Amos.....	14	16	42	378
Pumpkin Seed Creek.....	Wilson, Thos. H.....	18	19	53	45
Skunk Creek.....	Miller, Adam.....	1	14	37	325
Spring Creek.....	Armbruster, Chas. T.....	10	10	22	558
White Tail Creek.....	Keystone Irr. Co.....	25	15	38	17
Wood River.....	Hankey, Arthur B.....	8	10	10	12
Wood River (North Branch).....	Edmisten, J. H.....	8	12	20	178
Wood River (Middle Branch).....	Edmisten, J. H.....	29	12	20	179
Wood River (Middle Branch).....	Edmisten, J. H.....	29	12	20	180
Wood River (Middle Branch).....	Klein, J. J.....	8	9	15	358

APPLICATIONS DISMISSED IN DIVISION 2-A.—Concluded.

November 30, 1889, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Location of Head-gate.			App. No.
		.	T.	.	
Loup River, Middle.....	Postem, D. M.....	14	24	31	197
Loup River, Middle.....	Mira Valley Irrigation District.....	36	20	21	220
Loup River, Middle.....	Harris, L. H.....	3	22	26	263
Loup River, South.....	Edwards, Sylvester.....	21	17	25	245
Loup River, South.....	Harvey, Robert.....	25	13	12	428
Loup River, North.....	Walker, M. S.....	27	27	28	96
Loup River, North.....	Edwards, H. B.....	27	27	28	104
Loup River, North.....	Sanderson & Northrup.....	23	24	25	107
Loup River, North.....	Cox, G. H.....	8	24	25	108
Loup River, North.....	Farmers Irrigation & Milling Co.....	15	23	23	114
Loup River, North.....	Almeria Irrigation Canal Co.....	24	22	20	117
Loup River, North.....	Ord Irrigation District.....	25	21	17	136
Loup River, North.....	Brewster Irrigation & Power Co.....	15	23	23	153
Loup River, North.....	Firkins, A. J.....	5	20	16	161
Loup River, North.....	Roueche & Lee.....	16	27	29	177
Loup River, North.....	Forks Irrigation District.....	22	21	18	181
Loup River, North.....	Getter, M. E.....	35	24	24	201
Loup River, North.....	Johnson, Mats.....	1	12	12	238
Loup River, North.....	Erickson, P. C.....	28	24	24	244
Loup River, North.....	Getter, M. E.....	33	29	19	279
Loup River, North.....	Vandegrift, Evans R.....	25	28	28	16
Platte River.....	Farmers Mutual Irrigation Canal.....	6	16	2-E	247
Platte River.....	Thompson, D. E.....	31	17	4-E	511
Spring Creek.....	Griffith & Donuell.....	13	15	22	252

Continued
APPLICATIONS DISMISSED IN DISTRICT 2-A.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT,	Location of Head-gate.			App. No.
		S.	T.	R.	
Calamus River.....	Brumback, N. T.....	27	28	18	111
Calamus River.....	Stark, A. B.....	7	24	19	164
Calamus River.....	Willow Springs Irr. Dist.....	31	23	17	228
Calamus River.....	Willow Springs Irr. Dist.....	16	23	18	228
Calamus River.....	Starke, A. B.....	5	24	20	164
Clear Creek.....	Pibel, E.....	13	21	11	453
Cow Creek.....	Walker, M. L.....	7	26	27	98
Cow Creek.....	Caloned, Frank.....	7	27	26	273
Dismal River.....	Stoddard, Mary B.....	3	21	25	209
Gracie Creek.....	Burns, Jos. & Adna Dobson.....	31	23	17	66
Loup River.....	Getter, M. E.....	30	22	19	99
Loup River.....	Murdock, Daniel, et al.....	27	17	4	289
Loup River.....	Carrig, Lynch & Co.....	13	17	2	312

APPLICATIONS DISMISSED IN DIVISION 1-B.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Location of Head-gate.			App. No.
		S	T	R	
Clear Creek.....	Green, A. L.....	30	7	37	22
Coates Creek.....	Burton, R. D.....	33	2	14	496
Frenchman River.....	Shahan, J. D.....	23	6	39	79
Frenchman River.....	Shahan, J. D.....	24	6	40	135
Frenchman River.....	Farmers Mutual Irrigation Association.....	24	6	40	207
Republican River.....	Ballard, Henry M.....	8	3	21	39
Republican River.....	Babcock, H. A.....	8	3	21	176
Sappa Creek.....	Zulauf, Geo. W.....	21	2	20	487
Turkey Creek.....	Waters, E. H.....	31	4	21	477
Turkey Creek.....	Waters, E. H.....	30	4	21	481

APPLICATIONS DISMISSED IN DIVISION 2-B.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Location of Head-gate.			App. No.
		S	T	R	
Buffalo Creek.....	Hale, F. J.....	24	24	4	270
Dry Creek.....	Kinkaid, Moses P.....	8	28	11	223
Elkhorn River.....	Cress, Eugene H.....	28	29	12	3
Elkhorn River.....	Sherwood, Morrow & Walruth.....	18	30	15	34
Elkhorn River.....	Ryan, Jas.....	25	29	13	101
Elkhorn River.....	O'Neil Power & Irr. Co.....	25	29	12	144
Elkhorn River.....	Hamilton, C. W.....	7	30	15	199
Elkhorn River (South Fork).....	Sanders, M. F.....	3	26	9	433
Elkhorn River (South Fork).....	Sanders, M. F.....	3	26	9	438
Union and Taylor Creeks.....	Bley, Louis G.....	32	22	1	488

APPLICATIONS DISMISSED IN DIVISION 1-C.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Location of Head-gate.			App. No.
		S	T	R	
Rose Creek	Bohemian Nurseries.....	12	1	1	323
Rose Creek	Bohemian Nurseries.....	12	1	1	324

APPLICATIONS DISMISSED IN DIVISION 2-C.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Location of Head-gate.			App. No.
		S	T	R	
Baker Creek.....	Fullerton, J. B.....	19	30	13	26
Bear Creek.....	Skinner, Thomas.....	15	32	21	143
Bear Creek.....	Cedarburg, Peter.....	3	32	21	348
Burton Creek.....	Stalcup, Thos. P.....	19	34	19	349
Big Cedar Creek.....	Bruce, Andrew.....	33	34	25	379
Creek.....	Opperman, Laura B.....	19	32	20	94
Creek.....	Newman, Philo.....	17	33	24	163
Deer Creek.....	Randall & Daily.....	30	30	43	401
Dry Creek, East.....	Bush, Anderson.....	13	32	21	133
Holt Creek, East.....	Mountford, Thos.....	6	34	20	230
Keya Paha River.....	Rhodes, Frank J.....	24	35	20	206
Keya Paha River.....	State Line Irr Co.....	35	35	19	259
Long Pine Creek.....	Golden Irr. District.....	17	30	20	371
Middle Creek, West.....	Allen, M. M.....	29	33	23	95
Niobrara River.....	Gillespie, B. S.....	19	30	43	74
Niobrara River.....	Grable, Chas. J.....	6	28	53	102
Niobrara River.....	Nollkamper, Wm.....	30	33	11	122
Niobrara River.....	Hatch & Cross.....	25	29	50	441
Niobrara River.....	Allen, M. M. and W. G. Thomas.....	36	33	24	126
Niobrara River.....	Brown, J. E.....	28	29	47	125
Niobrara River.....	McConaughy, A. N.....	26	29	47	128
Niobrara River.....	Lear, Chas. E.....	2	32	30	151
Niobrara River.....	VanAlystine, J. S.....	2	32	22	194
Niobrara River.....	Golden Irr. District.....	19	30	43	205
Niobrara River.....	Highland Irr. District.....	1	32	30	242

APPLICATIONS DISMISSED IN DIVISION 2-C.—Concluded.

November 30, 1898. to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Location of Head-gate.			App. No.
		S	T	R	
Niobrara River.....	Johnson, Alfred.....	30	29	47	255
Niobrara River.....	Chladeck, Vojtech.....	27	29	48	385
Niobrara River.....	Herman A. Peters, Jennie S. Brown and C. A. Waterman.....	29	29	47	296
Niobrara River.....	Jennie S. Brown, H. A. Peters, and C. A. Waterman.....	29	29	47	485
Niobrara River.....	Whitehorn, G. W.....	30	33	11	314
Pepper Creek.....	McConaughey, A. N.....	26	29	47	335
Rock Creek.....	Springer, Jesse N.....	1	32	22	97
Rock Creek.....	Van Koten, John.....	25	33	22	309
Snake River.....	Gillespie, B. S.....	4	30	32	74
Snake River.....	Golden Irr. District.....	4	30	32	205
Spring Creek.....	Hutchinson, W. H.....	8	33	24	141
Spring Creek.....	Burt, Anderson.....	4	31	20	392
Spring Creek (Lewis).....	Lewis, Ralph.....	29	35	19	280
Spring Creek.....	Gillespie, L. G.....	2	32	13	319
Whistle Creek (duplicate).....	Miller, Wm. K.....	13	28	54	65

APPLICATIONS DISMISSED IN DIVISION 1-D.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Location of Head-gate.			App. No.
		S.	T.	R.	
Turkey Creek.....	Roop, Frank.	5	7	3 E	208
West Blue Riv r.....	Blue Vale Canal Co.....	25	9	3 E	188

APPLICATIONS DISMISSED IN DIVISION 2-D.

Ash Creek, East.....	Tomlin, Harrison B.....	30	32	50	298
Bordeaux Creek, Little.....	Hartzell, Solomon.....	19	33	47	445
Cottonwood Creek, Little.....	Little Cottonwood Irrigation Co.....	6	32	53	6
Cottonwood Creek, Little.....	Pinney, Cooper & Dorrington.....	8	32	51	68
Cottonwood Creek, Little.....	Hall, Leroy.....	9	32	51	377
Cottonwood Creek, Little.....	Lusel, Wm. T.....	9	32	51	439
Dead Horse Creek.....	Slattery, Ernest M.....	32	33	49	32
Spring Creek.....	Hales, Wm. S.....	25	32	53	71
White Clay Creek (Sheridan).....	Brook, L. A.....	2	33	45	198
White Clay Creek (Dawes).....	Thornton & Pomeroy.....	1	30	52	405
White River.....	Cooper, Pinney & Dorrington.....	10	32	51	72
White River.....	Bartlett, Arthur M.....	4	33	49	290
White River.....	Cook, Jahan P.....	32	32	49	377
White River.....	P. G. Cooper, B. G. Pinney & F. M. Dorrington.....	26	33	50	76

APPLICATIONS DISMISSED IN DIVISION 1-E.

November 30, 1898, to November 30, 1900.

STREAM.	NAME OF APPLICANT.	Location of Head-gate.			App. No.
		S.	T.	R.	
Lodge Pole Creek.....	Newmann, Henry.....	31	14	47	48
Lodge Pole Creek.....	Jones, B. A.....	33	14	49	70

APPLICATIONS DISMISSED IN DIVISION 2-E.

November 30, 1898 to November 30, 1900.

Cedar Creek.....	Valdez, Marcus.....	3	32	56	28
Sowbelly Creek.....	Smith, Don C.....	5	32	55	383
Spring Branch.....	Garton, Oscar A.....	31	33	56	24
Squaw Creek, W. Branch.....	Dunn, Jos. & John.....	3	33	57	132



IRRIGATION CANAL IN CHEYENNE COUNTY. COURT HOUSE ROCK AND JAIL ROCK IN DISTANCE

CLAIMS AND APPLICATIONS GRANTED AND PENDING.

The following tables give a brief summary of appropriations which have been granted in the various water divisions of the state since the organization of the Board in 1895, and show the claims and applications still pending.

As a matter of convenience, the appropriations have been arranged by streams in alphabetical order and in the order of priority of appropriation on each stream. Many of the appropriations were conditioned on the beneficial use of the water before future dates fixed by the secretary. The amount of these appropriations may, therefore, be reduce to the volumes necessary to irrigate the lands to which water is usefully applied prior to the dates so fixed.

Those marked with docket numbers are claims under the law in force prior to April 4, 1895.

Those having application numbers are applications under the present law.

CLAIMS AND APPLICATIONS

Stream.	Name of Claimant.	Postoffice Address	Name of Ditch.	
Ash Creek....	Vance Roscoe....	Lewellen .	Vance Ditch.....	1
Ash Creek....	Gilliard, George..	Lewellen ..	Gilliard Ditch.....	2
Birdwood Crk	Eq. Farm & Stock Imp. Co.....	Nth. Platte..	Birdwood Canal....	3
Birdwood Crk.	Roberts, Wm.....	Birdwood ..	W. Side Bird'wd Can	4
Birdwood Cr..	Beauchamp, W. K..	Sutherland ..	Beauchamp Canal...	5
Bd'wd Cr. E. Br	Hinman, Maude...	Nth. Platte..	E. Bird'wd Irri. Can.	6
Birdwood Cr...	Hinman, Maude...	Nth. Platte..	Hinman Ir. Im. & P. Co.	7
Blue Creek....	Union Irr. & W. P. Co.	Ramsey .	Union Ir. & W.P. Can.	8
Blue Creek....	Ia. Irri. & Imp Co.	Ramsay	Blue Creek Ditch....	9
Blue Creek....	Eq. F rm & Stock Imp. Co.....	Nth. Platte..	Blue Creek Canal . . .	10
Blue Creek....	Ia. Irri. & Imp. Co.	Lewellen ..	Ia. Ir. & Imp. Co. D.	11
Blue Creek....	Graf, Robert E....	Lewellen ..	Graf Canal	12
Blue Creek....	Winterer Jacob H.	Lewellen ..	High Line Ditch.....	13
Blue Creek....	Ramsey, A. F.....	Ramsay	West Side Ditch.....	14
Blue Creek....	Ia. Irri. & Imp.Co.	Lewellen ..	Hooper Ditch.....	15
Blue Creek....	Ramsey, A. F., Pais- ley, Ira.	Ramsey	P., Berg. & R. Ditch..	16
Blue Creek....	Delatour, S. P.	Lewellen ..	Delatour Ditch.....	17
Blue Creek....	Ramsey & Paisley.	Lewellen ..	.....	18
Buffalo Crk. W.	Henry, Absolom..	Cozad ..	Henry Canal.	19
Camp Creek....	Stillwell, Wm.	Liscoe.	Camp Cr. Ditch	20
Canyon Creek.	McCarthy, Jno. J.	Keystone ..	McCarthy Ditch	21
Cedar Creek...	Reasor, Paul J. . .	Freeport ..	Cedar Ditch	22
Cedar Creek...	Wade, Peter C.	Liscoe	Cedar Cr. Ditch.....	23
Cedar Creek...	Miller, Oliver	S. Pasadena. Cal.	Miller's W. Side D....	24
Clear Creek...	Hooper, D. C.	Ramsay	Clear Cr. Ditch.....	25
Clear Creek...	Barber, F., Marsh, W.	Lewellen ..	Clear Cr. Canal	26
Clear Creek...	Green, Nelson A...	Lewellen ..	Clear Cr. Ditch	28
Clear Creek...	Green, Nelson A...	Lewellen ..	Green Ditch.....	29
Clear Creek...	Scott, G. T., Wil- liams, E. C.	Lewellen ..	Scott & Williams' D.	27
Clear Creek...	Wilson, Alexander	Paxton	Wilson Irri. Canal....	30
Clear Creek...	Brogan, Hughey ..	Paxton	Brogan Ditch	31
Clear Creek...	Schlademan, Louis	Paxton	Schlademan Irr. Can.	32
Cold Water Cr.	Ledgewood, W. E., Brown, H., Clap, C.	Oshosh	Cold Water Ditch. . .	33
Coon Caek ...	Winter, Wm.	Keystone....	Coon Cr. Ditch	34
Deep Hole Crk.	McConnell, R. S. . .	LaPeer	Twist Ditch.....	35
Dugout Creek..	Cooper, Eliza A. . .	Camp Clark	Cooper Ditch	36
Dugout Creek..	Rice, C. P.	Lisco.	Rice Canal	37
Dugout Creek..	Dolph, Chas. E. . .	Irving	Dolph Canal.....	38
Fremont Creek.	Eq. Farm & Stock Imp. Co.....	Nth. Platte.	Fremont Cr. Ditch...	39
Fremont Slough	Steinhausen, A. P..	Nth. Platte..	Steinhausen Ditch...	40
Golden Creek..	Thies, Michael J. . .	Ogalalla....	Theis Diich.....	41

BY STREAMS IN DIVISION 1-A.

	Use to Which App.	Second feet Applied for	Second feet Granted.	Location of Head-gate.				Date of Priority.			Docket No.	App. No.	
				S	T	R	County.	M.	D	Y			
1	Irrigation...	.....	1.14	27	16	42	Deuel	June.	14	90	765	.....
2	"	.....	1.43	3	16	42	Deuel	Dec.	31	90	812	.....
3	"	.....	100	35	15	33	Lincoln	Oct.	21	93	646	.....
4	"	.....	8.57	22	5	33	Lincoln	Jan.	16	94	632	.....
5	"	.....	3	15	15	33	Lincoln	Sept.	19	94	667	.....
6	"	.....	20	27	17	33	McPherson	July.	8	96	.....	355
7	"	.....	100	21	17	33	McPherson	Aug.	20	98	.....	†468
8	"	.....	24.64	18	16	42	Deuel	May	16	90	763	.....
9	"	.....	12.86	6	16	42	Deuel	Sept.	7	93	781	.....
10	"	.....	107.29	33	17	42	Deuel	Dec.	27	93	785	.....
11	"	.....	12	12	16	42	Deuel	Feb.	24	94	786	.....
12	"	.....	61.43	19	16	42	Deuel	April.	2	94	788	.....
13	"	.....	20	21	17	42	Deuel	Sept.	27	94	795	.....
14	"	.....	21	28	17	42	Deuel	Nov.	20	94	800	.....
15	"	.....	20	6	16	42	Deuel	Sept.	6	98	.....	*467
16	"	.....	20	33	17	42	Deuel	Sept.	14	98	.....	471
17	"	.....	10	14	18	43	Deuel	Feb.	20	99	.....	495
18	"	.....	4	33	17	42	Deuel	July.	14	99	.....	515
19	"	.....	5	23	11	23	Dawson	July.	2	00	.....	*570
20	"	.....	1.43	13	18	49	Cheyenne	Mch.	16	92	.....	.....
21	"50	29	15	37	Keith	July.	1	98	866	15
22	"	.....	1.	17	18	53	Banner	Oct.	27	97	.....	419
23	"	.....	12	23	18	48	Cheyenne	April.	18	99	.....	*506
24	"	.....	1.71	23	18	48	Cheyenne	Sept.	26	00	.....	*574
25	"	.....	2.86	32	16	41	Keith	July.	1	98	.....	.....
26	"	.....	14.57	29	16	41	Keith	May.	30	93	748	.....
27	"	.....	1.25	32	16	41	Keith	May.	30	93	754	.....
28	"	.....	1.14	29	16	41	Keith	June.	1	93	756	.....
29	"	.....	1	28	16	41	Keith	May.	18	94	745	.....
30	"	4	31	15	34	Lincoln	April.	30	97	747	384
31	"	.....	.86	30	15	34	Lincoln	Oct.	18	97	.....	417
32	"	.....	.29	5	14	34	Lincoln	Mch.	29	98	.....	446
33	"	.....	4.29	26	18	46	Deuel	Sept.	29	94	.....	.....
34	"71	34	15	37	Keith	July.	3	95	796	69
35	"	.....	1.43	10	18	49	Cheyenne	July.	18	96	.....	328
36	"	.....	.86	4	19	48	Cheyenne	Aug.	15	92	.....	.....
37	"	1	4	19	48	Cheyenne	Aug.	15	98	872	462
38	"	.....	3	4	19	48	Cheyenne	Oct.	30	99	.....	522
39	"	.....	9.29	15	13	30	Cheyenne	Jan.	31	94	.....	.....
40	"	9	1	13	32	Cheyenne	Mar.	19	96	686	260
41	"	.....	3.43	25	15	30	Keith	Sept.	17	95	.....	160

*Pending. †Rehearing Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Greenwood Cr.	Coulter, D. & H. M.	Lovel'd.Col.	Coulter Ditch.....	1
Greenwood Cr.	Trinnier, J. E.....	Midway....	Trinnier Canal.....	2
Greenwood Cr.	Nelson & Trinnier..	Midway....	Nelson Canal.....	3
Greenwood Cr.	Capron, A, Lomb J.	Midway....	Capron & Lamb D....	4
Greenwood Cr.	Meglemre, Sarah A.	La Peer....	Meglemre Ditch.....	5
Horse Creek...	Roberts, Sam'l S...	Collins.....	State Line Ditch.....	6
Horse Creek...	Rob rts, Samuel S., Etchison, A.....	Caldwell....	Etchison & Roberts D.	7
Kiowa Creek...	Currie, Edwin A...	Mitchel....	Currie Diten.....	8
Lawrence Fork	Laing, Guy A.....	North Platte	.....	9
Lawrence Fork	Gilman, Byron, Crg- ler, E. S.....	Redington..	Redington Ditch.....	10
Lawrence Fork	Crigler, E. S.....	Redington..	E. S. Crigler Ditch...	11
Lawrence Fork	Harper, John W...	Higgins....	Spring Branch Ditch..	12
Lawrence Fork	Redington, H. V....	Redington..	H. V. Redington D....	13
Lawrence Fork	Neihus, Henry.....	Redington..	Neihus Ditch.....	14
Lawrence Fork	Doran, Edmond....	Sidney.....	Doran Canal.....	15
Lawrence Fork	Harper, John W...	Higgins....	Spr. Br. Ext'n.....	16
Lawrence Fork	Crigler, E. S.....	Redington..	Crigler Extension....	17
Lawrence Fork	Neihus, Henry.....	Redington..	Neihus Ditch.....	18
Lawrence Fork	Bicket, Thos. M....	Redington..	Fowler Ditch.....	19
Lonegan Cr...	Soehl, Herman A...	Ogalalla....	Soehl Canal.....	20
Lonegan Cr...	Soehl, Herman A...	Ogalalla....	Soehl Canal.....	21
Lonegan Cr...	Haney, August C...	Louergan...	Haney Ditch.....	22
Lonegan C., E. Branch...	Jacobs, Lee.....	Ogalalla....	E. Lonegan Ditch....	23
Mathews Creek	Mathews, Benj. G...	Keystone...	Mathews Canal.....	24
Owl Creek...	Kellums, John H...	Caldwell....	Sunflower Ditch.....	25
Pawnee Creek.	Holcombe, M. N...	Bardy Isl...	Holcombe's Ditch....	26
Pawnee Creek.	Murphy, E. D.....	Brady Isl...	Murphy's Ditch.....	27
Pawnee Creek.	Plumer, Wm. H....	Maxwell....	Plumer Ditch.....	28
Platte River...	Farmers' D. & C.Co.	Maxwell....	Farm. D. & C. Co. D.	29
Platte River...	Farmers' Irr. Co...	Lexington..	Farmers Irr. Co.'s D.	30
Platte River...	Farm. & Mer. Irr. Co.	Lexington..	Farm. & Mer. Canal..	31
Platte River...	Fowles, Russell H.	Maxwell....	Maxwell Canal.....	32
Platte River...	Appleford, Henry..	Maxwell....	Appleford Canal.....	33
Platte River...	Sides, Leroy.....	Lowell.....	Lerov Sides' Ditch...	34
Platte River...	Farms. Union D.Co.	Kearney....	Elm Creek Canal....	35
Platte River...	Platte R. Irr. Co...	Lexington..	Platte R. Irr. Co. Can.	36
Platte River...	Farms. Mut. Irr. Co.	Kearney....	Farmers' Canal.....	37
Platte River...	McCully, John.....	Maxwell....	.....	38
Platte River...	Six Mile Ditch Co.	Gothenburg	Six Mile Ditch.....	39
Platte River...	Gothenburg, South Side Irr. Co.....	Gothenburg	Gothenburg So. Side Irr. Canal.....	40
Platte River...	Booker. H. C.....	Gothenburg	Booker Canal.....	41
Platte River...	Cozad Irr. Co.....	Cozad.....	Cozad Irr. Canal....	42
Platte River...	Orchard & Alfalfa Irrigation Co.....	Cozad.....	Ordhard & Alfalfa Irr. Ditch.....	43

STREAMS IN DIVISION 1-A.—Continued.

	Use to Which Ap.	Second feet Applied for.	Second feet Granted.	Location of Head-gate.			Date of Priority.			Docket No.	App. No.	
				S	T	R	County.	M	D			Y
1	Irri	.....	4	15	18	50	Cheyenne ..	Feb.	3	90	830	.....
2	"	.....	6.29	28	18	50	Cheyenne ..	Apr.	1	91	849	.....
3	"	.....	3	33	18	50	Cheyenne ..	Apr.	1	92	845	.....
4	"	.....	2	15	18	50	Cheyenne ..	Jan.	1	93	890	.....
5	"	.....	.57	10	18	50	Cheyenne ..	May	6	96	.....	294
6	"	.....	10	33	23	58	Scotts Bluff	Sept.	10	97	.....	407
7	"	.....	9	34	23	58	Scotts Bluff	Sept.	11	97	.....	408
8	"	.....	9.14	13	21	57	Scotts Bluff	Mar.	23	92	.....	938
9	"	.....	.50	28	18	52	Cheyenne ..	Dec.	31	86	.....	825
10	"	.....	.57	36	19	52	Cheyenne ..	Oct.	9	89	.....	820
11	"	.....	.57	1	18	52	Cheyenne ..	Sept.	11	91	.....	861
12	"	.....	1	11	18	52	Cheyenne ..	Oct.	23	91	.....	862
13	"	.....	.50	11	18	52	Cheyenne ..	May	1	93	.....	893
14	"	.....	1	11	18	52	Cheyenne ..	.....	.....	.....	*1010	.....
15	"	.....	1.14	15	18	52	Cheyenne ..	June	1	94	.....	850
16	"	.....	.57	1	18	52	Cheyenne ..	Oct.	13	98	.....	476
17	"	.....	1.43	1	18	52	.....	Nov.	25	98	.....	486
18	"	.....	1	11	18	52	.....	Mar.	23	00	.....	*550
19	"	.....	1	11	18	52	.....	Apr.	5	00	.....	*553
20	"	.....	2	17	15	39	Keith.....	May	10	89	.....	697a
21	"	.....	.86	17	15	39	Keith.....	Apr.	27	93	.....	697i
22	"	.....	1.14	17	15	39	Keith.....	July	1	93	.....	719
23	"	.....	9.14	17	15	39	Keith.....	May	25	89	.....	699
24	"	.....	1.14	28	15	37	Keith.....	Apr.	1	95	.....	750
25	"	.....	1.14	12	22	58	Scotts Bluffs	Sept.	17	97	.....	411
26	"	.....	8	13	13	28	Lincoln	Oct.	18	90	.....	636
27	"	.....	8.57	29	13	27	Lincoln	June	9	94	.....	669
28	"	.....	10	19	13	27	Lincoln	June	15	94	.....	672
29	"	.....	280	17	13	29	Lincoln	June	2	94	.....	666
30	"	.....	114	25	10	23	Dawson	June	14	94	.....	621
31	"	.....	1142.86	18	10	23	Dawson	June	26	94	.....	622
32	"	.....	27.14	29	13	28	Lincoln	July	5	94	.....	673
33	"	.....	10	15	13	29	Lincoln	July	7	94	.....	674
34	"	.....	20	13	8	14	Kearney	July	23	94	.....	629
35	"	.....	128.57	6	8	19	Dawson	Aug.	10	94	.....	623
36	"	.....	400	13	9	22	Dawson	Sept.	15	94	.....	624
37	"	.....	180	12	8	16	Buffalo	Sept.	24	94	.....	628
38	"	.....	30	35	13	28	Lincoln	Oct.	20	94	.....	679
39	"	.....	40	11	11	26	Lincoln	Oct.	22	94	.....	680
40	"	.....	357.14	30	12	26	Lincoln	Oct.	26	94	.....	681
41	"	.....	100	16	11	25	Dawson	Dec.	28	94	.....	626
42	"	.....	614.29	15	11	25	Dawson	Dec.	28	94	.....	626
43	"	.....	300	9	10	24	Dawson	Jan.	23	95	.....	627

* Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Platte River ...	Lincoln & Dawson County Irr. Dist 1	Gothenburg	Lincoln & Dawson Co Irr. Dist. Canal....	1
Platte River ...	Appleford, Henry...	Maxwell ...	Appleford Canal....	2
Platte River ...	Gothenburg Power & Irrigation Co..	Gothenburg	Gothenburg Power & Irr. Canal..	3
Platte River ...	Lucas & Ft. Kearney Irrigation Co.	Newark ...	Lucas & Ft. Kearney Ditch.....	4
Platte River ...	Lowell Farm. Irr. Co	Lowell.....	Lowell Farm. Ir. Can.	5
Platte River ...	Milbourn Ditch....	Overton ...	Milbourn Ditch.....	6
Platte River ...	Young, Fred.....	Gothenburg	Farmers Canal.....	7
Platte River ...	Hefner, O. O.	Lexington..	Lex. So. Side Irr. D..	8
Platte River ...	Lucas, John R.	Em Creek ..		9
Platte River ...	Hefner, O. O.	Lexington..	Lex. So. Side Ditch..	10
Platte River ...	Midway Mut. Irr. Co	Cozad.....	Mi way Irr. Canal....	11
N. Platte River	N. Platte Irr. & L Co	No. Platte..	No. Platte Canal....	12
North Platte R	Farmers Canal Co..	Omaha.....	Farmers Canal.....	13
North Platte R	Minitare Mutual Canal & Irr Co..	Minitare ...	Minitare Ditch.....	14
North Platte R	Winters Cr Irr Co..	Gering.....	Winter Creek Canal.	15
North Platte R	Ent rprise Dit Co..	Sunflower..	Enterprise Ditch....	16
North Platte R	Castle Rock Irr C & Water Pr Co...	Wilford ...	Castle Rock Irr. Can.	17
North Platte R	Logan, Chas. E....	Camp Clark		18
North Platte R	Belmont Irr Can & Water Power Co.	Omaha.....	Belmont I. C. & W. P. Co.'s Canal.....	19
North Platte R	Centrall Irr Can & Water Power Co.	Gering.....	Central I. C. & W. P. Co. Canal.....	20
North Platte R	Myers, T. A., and Phelps, A., and Dickerson, F. P..	Ogalalla....	Myers & Phelps Can.	21
North Platte R	Sheridan, J. Wake.	Ogalalla....	Sheridan & Wilson D	22
North Platte R	Chimney Rock Irr Can & Wat P Co.	Camp Clark	Chimney Rock Canal	23
North Platte R	Empire Canal Co..	Camp Clark	Empire Canal.....	24
North Platte R	Kah, David.....	Minitare...	Kah Ditch.....	25
North Platte R	Brown's Cr I C Co.	Camp Clark	Brown's Cr Irr Canal	26
North Platte R	Hale, Will A.	Gering.....	Homestead Ditch....	27
North Platte R	Alliance Irr Can & Water Power Co.	Camp Clark	Alliance Irr Canal...	28
North Platte R	Clarke, Henry T. .	Camp Clark	H. T. Clarke Canal..	29
North Platte R	Nichols, Yorrick... Nichols, Carroll...	Collins.....	Ramshorn Ditch.....	30
North Platte R	Short Line I C'l Co.	Bayard ...	Short Line Irr. Canal	31
North Platte R	Lisco, Reuben.....	Chappell...	Lisco Ditch.....	32
North Platte R	Nine Mile Canal & Reservoir Co.	Bayard.....	Nine Mile Canal.....	33
North Platte R	Cody & Dillon I C Co	North Platte	Cody & Dillon I C Co	34

STREAMS IN DIVISION 1-A.—Continued.

	Use to Which Ap.	Second feet Applied for.	Second feet Granted.	Location of Head-gate.			Date of Priority.			Docket No.	App. No.	
				S	T	R	County.	M	D			Y
1	Irrigation	.....	642.86	9	13	29	Lincoln	Feb.	22	95	687	.....
2	"	.....	2.86	15	13	29	Lincoln				690	.....
3	Irr & Power	.....	100	29	12	26	Lincoln	Mar.	28	95	*645	.....
4	Irrigation	.....	114	13	8	18	Phelps	Mar.	4	96	.....	264
5	"	.....	.57	15	8	14	Kearney	July	27	96	.....	351
6	"	400	.....	2	8	20	Phelps	Jan.	7	97	.....	375
7	"	.....	12.57	4	11	26	Dawson	July	31	97	.....	*400
8	"	.....	3	8	9	22	Dawson	Oct.	14	97	.....	416
9	"	.....	58	5	8	18	Buffalo	June	18	00	.....	566
10	"	225	.....	8	9	22	Dawson	Sep	23	00	.....	576
11	"	.....	300	3	11	26	Dawson	Nov.	3	00	.....	*586
12	"	.....	1142.86	13	14	34	Lincoln	May	31	84	.....	635
13	"	.....	249.43	3	23	58	Scotts Bluff	Sept.	16	87	.....	918
14	"	.....	124.29	32	22	54	Scotts Bluff	Jan.	14	88	.....	919
15	"	.....	173.71	17	22	55	Scotts Bluff	Oct.	18	88	.....	952
16	"	.....	82.57	27	23	57	Scotts Bluff	Mar.	28	89	.....	920
17	"	.....	5.71	4	21	54	Scotts Bluff	April	18	89	.....	921
18	"	.....	270	18	20	50	Cheyenne	Oct.	17	89	.....	821
19	"	.....	36	19	20	51	Cheyenne	Dec.	19	89	.....	828
20	"	.....	7.14	27	22	55	Scotts Bluff	June	23	90	.....	926
21	"	.....	10	34	15	39	Keith	Sept.	11	90	.....	709
22	"	.....	60	20	14	35	Keith	Oct.	9	90	.....	710
23	"	.....	28.57	1	20	53	Cheyenne	Dec.	3	90	.....	844
24	"	.....	4.57	18	20	51	Cheyenne	June	25	91	.....	858
25	"	.....	188.71	11	21	54	Scotts Bluff	Nov.	1	91	.....	944
26	"	.....	11.43	29	20	50	Cheyenne	Jan.	20	92	.....	857
27	"	.....	100	21	22	55	Scotts Bluff	June	29	92	.....	941
28	"	.....	9.43	5	20	52	Cheyenne	Dec.	26	92	.....	874
29	"	.....	45.71	22	20	51	Cheyenne	Feb.	2	93	.....	875
30	"	.....	65.57	18	23	57	Scotts Bluff	Mar.	20	93	.....	945
31	"	.....	32.86	25	21	53	Scotts Bluff	May	1	93	.....	946
32	"	.....	200	14	18	47	Cheyenne	July	1	93	.....	856
33	"	.....	.....	18	21	53	Scotts Bluff	Dec.	6	93	.....	925
34	"	.....	127	9	14	31	Lincoln	Dec	29	93	.....	649

*Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
North Platte R	Sutherland & Paxton Land & I Co	Sutherland..	Sutherland & Paxton Land & Irr Co Can.	1
North Platte R	Paxton & Hershey I C'l & Land Co.	Hershey....	Paxton & Hershey C	2
North Platte R	Bower, Wm. T....	Oshkosh....	Bower Ditch.....	3
North Platte R	Farmers & Merchants I & Land Co	North Platte	Farmers & Merchants Canal.....	4
North Platte R	South Side Irr & Land Co.....	North Platte	So. Side I & L Co Can	5
North Platte R	Roberts, C. F.....	Oshkosh....	Midland Ditch.....	6
North Platte R	Keith, Morrell C..	North Platte	Keith Canal.....	7
North Platte R	Maycock, Joseph..	Collins.....	Rooster Ditch.....	8
North Platte R	Smith, Augustus..	North Platte	Smith Canal.....	9
North Platte R	Fox, B. M.....	Oshkosh....	Overland Ir Co Canal	10
North Platte R	Hannah Irr Can Co	Lisco.....	.....	11
North Platte R	Gumaer, H. G. and Robinson, John.	Oshkosh ...	Oshkosh Canal.....	12
North Platte R	Smith, A. H., et al	Camp Clark	Beerline Ditch.....	13
North Platte R	Spohn, Wm.....	Oshkosh....	Spohn Ditch.....	14
North Platte R	Rush Cr Ir Can Co	Lodge Pole..	Rush Creek Irr Canal	15
North Platte R	Lyons Irr Canal & Water Power Co	Oshkosh....	Lyons Irr Canal.....	16
North Platte R	Orr, Geo. B. and Vance, Roscoe..	Lewellen...	Orr & Vance Canal..	17
North Platte R	Williams, E. C., & Robbins, Harry.	Lewellen...	Robbins & Williams C	18
North Platte R	Gyger, J. C.....	Oshkosh....	Gyger Ditch.....	19
North Platte R	Dikeman, S. F....	North Platte	Dikeman Canal.....	20
North Platte R	Simpson, Geo. M., Banghardt, C. S. Wendt, Hugo H.	Oshkosh ...	Signal Bluff Ditch...	21
North Platte R	Jacobs, Lee.....	Ogalalla ...	Hay Land Canal.....	22
North Platte R	Hubartt, E.....	North Platte	Hubartt & Hall Ditch	23
North Platte R	Ferustrom, Alfred Nisson, Peter ...	Ogalalla ...	Fernstrom & Nissen..	24
North Platte R	Alfalfa Irr District	Ogalalla ...	Alfalfa District Canal	25
North Platte R	Bushnell H. J. and Bushnell, E. N..	Oshkosh....	Bushnell Bros Ditch..	26
North Platte R	Holcomb, Gen. J..	Ogalalla ...	Holcomb Irr Ditch... 27	
North Platte R	Burritt, Newell...	North Platte	Burritt & George Can	28
North Platte R	Steamboat Dit. Co.	Gering.....	Steamboat Ditch.....	29
North Platte R	North River Irr C & Water Pr Co.	Oshkosh....	North River Irr Co..	30
North Platte R	Stub Supply D. Co	Lewellen...	Stub Supply Ditch... 31	
North Platte R	LaMore, Fred E...	LaPeer.....	LaMore Ditch.....	32
North Platte R	Steamboat Dit. Co.	Gering.....	Steamboat Ditch.....	33
North Platte R	Tetreault, Ameda.	LaPeer.....	Tetreault Ditch No. 2	34
North Platte R	The Gering Ir Dist	Gering.....	Gering Canal.....	35

STREAMS IN DIVISION 1-A.—Continued.

	Use to Which Ap.	Second feet Applied for.	Second feet Granted.	Location of Head-gate.			Date of Priority.			Docket No.	App. No.	
				S	T	R	County.	M	D			Y
1	Irrigation	.....	186	18	14	36	Keith.....	Feb.	2	94	722	....
2	"	.....	180	18	14	33	Lincoln....	Feb.	12	94	653	....
3	"	.....	21.37	6	17	45	Deuel.....	Mar.	27	94	787	....
4	"	.....	183	12	14	33	Lincoln....	May	22	94	662	....
5	"	.....	270	14	14	34	Lincoln....	June	6	94	667	....
6	"	.....	12	2	16	44	Deuel.....	June	9	94	789	....
7	"	.....	71	36	14	30	Lincoln....	July	7	94	657	....
8	"	.....	5.71	13	23	58	Scotts Bluff	July	29	94	950	....
9	"	.....	20	36	14	30	Lincoln....	Aug.	9	94	676	....
10	"	.....	20	1	16	44	Deuel.....	Aug.	14	94	791	....
11	"	.....	5.71	24	18	47	Cheyenne..	Sept.	24	94	886	....
12	"	.....	40	33	17	44	Deuel.....	Oct.	5	94	797	....
13	"	.....	30	24	19	49	Deuel.....	Oct.	13	94	887	....
14	"	.....	13.14	13	17	45	Deuel.....	Dec.	6	94	801	....
15	"	.....	9.64	2	17	46	Deuel.....	Dec.	11	94	802	....
16	"	.....	42.14	30	17	44	Deuel.....	Dec.	22	94	803	....
17	"	.....	2.93	29	16	42	Deuel.....	Dec.	24	94	811	....
18	"	.....	26.57	35	16	42	Deuel.....	Jan.	4	95	804	....
19	"	.....	10.86	10	16	44	Deuel.....	Jan.	5	95	806	....
20	"	.....	30	9	14	32	Lincoln....	Jan.	14	95	684	....
21	"	.....	30.13	16	16	43	Deuel.....	Jan.	16	95	807	....
22	"	.....	5.71	29	15	39	Keith.....	Jan.	19	95	732	....
23	"	.....	65.71	20	14	30	Lincoln....	Mar.	3	95	691	....
24	"	.....	4	25	15	39	Keith.....	Mar.	23	95	737	....
25	"	.....	100	1	15	42	Keith.....	Mar.	25	95	738	....
26	"	.....	7.14	12	16	44	Deuel.....	Mar.	27	95	809	....
27	"	.....	63	16	15	40	Keith.....	June	4	95	.....	1
28	"	.....	30	2	12	28	Lincoln....	Aug.	15	95	.....	118
29	"	.....	15	4	21	54	Scotts Bluff	Oct.	2	95	.....	186
30	"	.....	168.20	14	18	47	Cheyenne..	Feb.	24	96	.....	243
31	"	.....	200	24	16	43	Deuel.....	Mar.	14	96	.....	*267
32	"	.....	20	34	19	48	Cheyenne..	July	18	96	.....	327
33	"	.....	40	4	21	54	Scotts Bluff	July	22	96	.....	350
34	"	.....	12	1	19	50	Cheyenne..	Aug.	15	96	.....	353
35	"	.....	500	4	23	58	Scotts Bluff	Mar.	15	97	.....	365

*Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
North Platte R.	Schermerhorn, A.	Omaha	Schermerhorn Ir Can	1
North Platte R.	Eq. Farm & Stock Imp. Co	Omaha	Oskosh Canal	2
South Platte R.	Eaton, John J. . . .	Brule	Eaton & McGrath D.	3
South Platte R.	Hollingsworth & Sons	Ogallala	Hollingsworth Ditch	4
South Platte R.	Stebbins, Lucien . . .	North Platte	Stebbins Canal	5
South Platte R.	Searle, E. M.	Ogallala		6
South Platte R.	Miller, F. L.	Big Springs	Miller & Warren	7
South Platte R.	Ryan, J. T.	Brule	Home Irr. Ditch.	8
South Platte R.	Shireman, W. H. . . .	Ogallala	So. Side Plano Ditch	9
South Platte R.	Kimball, W., Thomp- son, G. E., Abbott, John H.	Big Springs	Big Springs Canal . . .	10
South Platte R.	Mason, Elmer P. . . .	Paxton	Paxton Irr. Ditch	11
South Platte R.	Stafford, David	Paxton	Paxton Southern D. . .	12
South Platte R.	Lute & Sheridan	Ogallala	Lute & Sheridan D. . .	13
South Platte R.	Meyer, Henry	Brule.	Meyer Canal	14
South Platte R.	Searle, E. M., Black- burn, T., Reed, O.	Ogallala	Ogallala F. & M. Can.	15
South Platte R.	Carnahan, H.	Ogallala	Cereal Irr. Ditch	16
South Platte R.	Allen, Wm. F.	Omaha	Allen Ditch	17
South Platte R.	Paxton Irr. Dist.	Paxton	Paxton Irr. Ditch	18
South Platte R.	Leech, E. E.	Big Springs	Kimball's Underflow Ditch	19
Plum Creek	Barrett, Helena E. . .	Ogallala	Barrett Ditch	20
Pumpkin Seed	Wright, John S.	Ashford	J. S. Wright D. No. 1	21
Pumpkin Seed	Kelly, Wm. J.	Ashford	Wm. J. Kelly Ditch. . .	22
Pumpkin Seed	Heard, Henry L.	Freeport	Heard's Ditches Nos. 1 and 2	23
Pumpkin Seed	Wright, John S.	Ashford	J. S. Wright D. No. 2	24
Pumpkin Seed	Logan, John E.	Gering	Logan Ditch	25
Pumpkin Seed	Court House Rock Irs. Co.	Midway	Court House Irr. C. . .	26
Pumpkin Seed	Smith, Eliza C., Wheeler, Chas. G.	Sidney	Smith & Wheeler D. . .	27
Pumpkin Seed	Mutual Ditch Co. . . .	Redington . . .	Mutual Ditch	28
Pumpkin Seed	Waitman, P. P.	Redington . . .	Waitman's Ditch	29
Pumpkin Seed	Enderund, Chas. O., Campbell, S. D. . . .	Freeport	Enderund Ditch	30
Pumpkin Seed	Cary, L. B.	La Peer	Meredith & Amnier D.	31
Pumpkin Seed	Hampton, R. R., Hampton, Wm. D.	Harrisburg . . .	Hampton Ditch	32
Pumpkin Seed	Finn, Jas. L., Dean, Henry T.	La Peer	Last Chance	33
Pumpkin Seed	Munn, Lee	Redington . . .	Round H'se Rock D. . .	34
Pumpkin Seed	Maxwell, Jos. J.	Redington . . .	J. J. Maxwell Irr. D. . .	35
Pumpkin Seed	Dunlap J. P.	Dwight	Dunlap Ditch	36
Pumpkin Seed	Willard, Wm. M. . . .	Midway	Wm. M. Willard D. . . .	37

STREAMS IN DIVISION 1-A.—Continued.

	Use to Which Ap.	Second feet Applied for.	Second feet Granted.	Location of Head-gate.				Date of Priority.			Docket No.	App. No.
				S	T	R	County.	M	D	Y		
1	Irrigation	.....	30	16	30	51	Cheyenne ..	Oct.	25	97	418	.....
2	"	.....	400	24	17	45	Deuel	July	19	99	517	.....
3	"	.....	20	25	13	41	Keith.....	Apr.	3	94	755	.....
4	Irr. and P.	.....	30	12	13	39	Kieth.....	June	5	94	723	.....
5	Irrigation	.....	30	34	14	32	Lincoln.....	Dec.	17	94	683	.....
6	"	.....	2.86	17	13	39	Kieth.....	Dec.	22	94	744	.....
7	"	.....	53.86	7	12	42	Deuel.....	Jan.	5	95	805	.....
8	"	.....	1.14	30	13	40	Keith.....	Mar.	2	95	736	.....
9	"	.....	3.43	17	13	39	Keith.....	Apr.	23	95	733	.....
10	"	.....	8.93	35	13	42	Deuel.....	Apr.	27	95	810	.....
11	"	.....	16	2	13	36	Keith.....	Aug.	24	95	.....	130
12	"	.....	4	2	13	36	Keith.....	Oct.	17	95	.....	184
13	"	.....	13.43	5	13	37	.....	Feb.	17	96	.....	231
14	"	.....	2.86	22	13	40	.....	Apr.	14	96	.....	283
15	"	.....	125	20	13	40	Keith.....	July	10	96	.....	356
16	"	.....	20	16	13	39	Kieth.....	July	10	96	.....	357
17	"	.....	9	24	13	41	Kieth.....	Dec.	15	96	.....	370
18	"	.....	42	1	13	38	Kieth.....	Mar.	23	97	.....	387
19	"	.....	6.29	4	12	42	Kieth.....	Nov.	8	98	.....	482
20	"	.....	50	23	16	42	Deuel.....	Dec.	10	97	.....	422
21	"	.....	2	5	19	54	Banner.....	Dec.	31	82	.....	904
22	"	.....	1.43	5	19	54	Banner.....	May	10	86	.....	915
23	"	.....	1.29	14	19	54	Banner.....	June	1	87	.....	916
24	"	.....	2.86	5	19	54	Banner.....	Dec.	31	87	.....	905
25	"	.....	4	7	19	55	Banner.....	July	16	90	.....	902
26	"	.....	30.50	30	19	50	Cheyenne ..	Oct.	6	90	.....	840
27	"	.....	.71	26	19	51	Cheyenne ..	Oct.	16	90	.....	842
28	"	.....	8.57	33	19	52	Cheyenne ..	Nov.	1	90	.....	843
29	"	.....	2.86	25	19	53	Banner.....	Mar.	12	91	.....	847
30	"	.....	1	21	19	53	Banner.....	May	27	91	.....	903
31	"	.....	18.86	23	19	50	Cheyenne ..	Feb.	20	93	.....	876
32	"	.....	1.29	25	20	57	Banner.....	Apr.	5	93	.....	906
33	"	.....	8	27	19	50	Cheyenne ..	Apr.	12	94	.....	883
34	"	.....	3	28	19	51	Cheyenne ..	May	24	94	.....	883
35	"	.....	.50	23	19	52	Cheyenne ..	June	30	94	.....	885
36	"	.....	.36	24	19	51	Cheyenne ..	Mar.	1	95	.....	889
37	"	.....	1.43	25	19	51	Cheyenne ..	Mar.	27	95	.....	888

CLAIMS AND APPLICATIONS

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Pumpkin Seed	R. S. Thompson, Bliss, A. K., Oliver, John	Redington ..	Birdeage Ditch	1
Pumkin S. Crk.	Smith, Eliza, Wheeler, Chas. G.	Sidney.	Smith & Wheeler D..	2
Pumkin S. Crk.	Wisner, S. R., Skinner, R.	Freeport ...	Abbott & Wisner D..	3
Pumkin S. Crk.	Peters, John T	Harrisburg..	Peters Ditch	4
Pumpkin Seed.	Wilson, Thomas H.	Freeport.	Cowan Canal.	5
Pumkkin Seed.	Halloway, J. P.	Camp Clark	Holloway Irr. Plant.	6
Ravine	Newberry, H.	North Platte	Newberry Ditch.....	7
Sand Creek....	Holcomb, G. J., F. M. Smith.	Ogalalla....	Holcomb & Smith....	8
Sand Creek... ..	Patrick, Herman A.	Ogalalla....	Patrick Ditch.....	9
Scheutz Spring	Scheutz, Lewis	La Peer ...	Scheutz Spr. Canal..	10
Sheep Creek... ..	Sturdivant, Jos	Colling	Sturdivant Ditch.....	11
Skunk Creek... ..	Miller, Adam.	Keystone....	Miller Ditch.....	12
Snake Creek... ..	Oasis Ditch Co.	Alliance....	Oasis Ditch.....	13
Snake Creek... ..	Elmore, Mike	Alliance....	Elmore Canal.....	14
Spotted Tail Cr	Stewart, H. G.	Sunflower ..	.....	15
Spring Branch.	Brogan Bros.	Paxton.....	Brogan Bros' Ditch..	16
Spring Creek... ..	Holcomb, G. J	Ogalalla....	Spring Creek Ditch...	17
Spring Creek... ..	Saunders, L. F.	Scotts Bluff.	Saunders' Ditch.....	18
Spring Creek... ..	Saunders, L. F.	Scotts Bluff.	Saunders' Ditch No. 2	19
Spring Cr. Trib to White Clay.	Holloway, D. P.	Keystone.....	Spring Creek Ditch...	20
Spring Cr. Trib to Middle Cr.	Bartling, Henry	Sidney.....	Bartling Ditch.....	21
Spring Cr. Trib to Middle Cr.	Bartling, Henry	Sidney	Bartling Ditch No. 2.	22
Sprs. on Sec. 4 of 28-18-49....	Finn Brothers.	La Peer	Finn Bros' Ditch....	23
Strm (no name)	Newberry, H.	North Platte	Newberry Ditch.....	24
White Horse Cr.	Lamplugh, Isaac	North Platte	Lamplugh's Lakes...	25
White Tail Cr.	McCarthy, John M.	Keystone	J. M. McCarthy.....	26
White Tail Cr.	Ogalalla Land and Cattle Co.	Chicago, Ill.	.....	27
White Tail Cr.	Halloway, D. P., Al. Phelps.	Ogalalla....	Halloway & Phelps D.	28
White Tail Cr.	Leonard Brothers..	Keystone....	Little Dandy.....	29
White Tail Cr.	Foster, Frank	Keystone....	Foster Keystone Can.	30
White Tail Cr.	Reed, Fred	Keystone....	Reed Ditch.....	31
White Tail Cr.	Bower, John H.	Ogalalla....	.....	32
White Tail Cr.	Leonard, Mark J.	Ogalalla....	Leonard Ditch.....	33
Wind Springs..	Maycock, John	Gering	Wind Springs Canal..	34
Winters Creek.	Bouton, Chas. A.	Gering	Bonton's Ditch	35
Wood River... ..	Davis, J. H. & Sons	Gibbon .....	.....	36
Wood River... ..	Shelton Milling & Grain Co.	Shelton.....	.....	37
Wood River... ..	Bears, S.	Kearney .....	.....	38

BY STREAMS IN DIVISION 1-A.

	Use to Which App.	Second feet Applied.	Second feet Granted.	Location of Head-gate.			Date of Priority.			Docket No.	App. No.	
				S.	T.	R.	County.	M.	D.			Y.
1	Irrigation...	.....	1	19	19	51	Cheyenne ...	June.	1	95	892	....
2	"	.....	1.57	26	19	51	Cheyenne ...	June.	1	96	842	....
3	"	14.40	.....	23	19	53	Banner.....	.....	.....	.....	*917	....
4	"	.10	.....	34	20	56	Banner.....	.....	.....	.....	*913	....
5	"	.....	.71	17	19	53	Banner.....	June.	24	95	.....	461
6	"	.....	2	28	19	50	Cheyenne ...	Jan..	14	99	.....	492
7	"	.....	2	22	14	32	Lincoln ...	July..	19	95	.....	85
8	"	.....	7.	10	15	40	Keith.....	May..	20	89	698	....
9	"	.....	2.43	3	15	40	Keith.....	May..	31	91	725	....
10	"	.....	.21	28	18	50	Cheyenne ...	May..	10	92	881	....
11	"	.....	.....	12	25	58	Sioux.....	Oct..	10	95	.....	182
12	"	.....	2.29	1	14	37	Keith.....	April	1	95	740	....
13	"	.....	54.86	6	24	51	Box Butte...	June..	6	94	567	....
14	"	.....	6	30	25	51	Box Butte...	June..	22	95	.....	41
15	"	.....	1	10	23	56	Scott's Bluff	May..	2	98	.....	449
16	"	.....	.57	35	15	37	Keith.....	Sept.	24	97	.....	410
17	"	.....	.57	12	15	40	Keith.....	June..	18	94	724	....
18	"	.....	9.14	36	23	56	Scott's Bluff	April	20	97	.....	368
19	"	.....	4	36	24	56	Scott's Bluff	Oct..	12	00	.....	*580
20	"	.....	1.57	19	15	37	Keith.....	June.	21	90	704	....
21	"	.....	.29	28	18	51	Cheyenne ...	July..	31	91	870	....
22	"	.....	.20	28	18	51	Cheyenne ...	Jan..	1	94	891	....
23	"	.....	.50	28	18	49	Cheyenne ...	July..	1	90	836	....
24	"	.....	1.14	22	14	32	Lincoln ...	Feb..	25	95	688	....
25	"	.....	2.86	8	14	30	Lincoln ...	Dec..	31	83	658	....
26	"	.....	1.	36	15	38	Keith.....	July..	15	90	749	....
27	"	.....	21.	21	26	15	Keith.....	July..	18	91	716	....
28	"	.....	4.	36	15	38	Keith.....	June..	15	93	717	....
29	"	.....	2.	22	15	38	Keith.....	Oct..	12	94	727	....
30	"	.....	20.	36	15	38	Keith.....	Oct..	30	94	730	....
31	"	.....	.57	15	15	37	Keith.....	May..	15	95	751	....
32	"	.....	2.86	36	15	38	Keith.....	Oct..	29	97	.....	420
33	"	.....	1.43	28	16	38	Keith.....	May..	4	99	.....	507
34	"	.....	1.43	12	24	55	Sioux.....	Mar..	1	92	954	....
35	"	.....	1.	3	22	24	Scott's Bluff	Aug..	17	89	923	....
36	Power.....	40	.....	13	9	14	Buffalo ...	.....	.....	.....	*993	....
37	"	40	1	1	9	13	Buffalo ...	.....	.....	.....	*994	....
38	"	25.40	.....	13	19	16	Buffalo ...	.....	.....	.....	995	....

*Pending.

CLAIMS AND APPLICATIONS

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Wood River....	Babcock, H. E.....	Columbus....	Little Gem.....	1
Wood River....	Klein, J. J.....	Kearney.....	White Bridge Park...	2
Wood River....	Sibbernsen, I.....	Columbus....	Grand Island Canal..	3

BY STREAMS IN DIVISION 1-A.

	Use to Which App.	Second feet Applied.	Second feet Granted.	Location of Head-gate.			Date of Priority.			Docket No.	App No.	
				S.	T.	R.	County.	M.	D.			Y.
1	Irrigation.....	.....	180	9	10	10	Hall.....	April.	10	97	.....	366
2	".....	.....	.06	8	19	15	Buffalo	Mar.	14	00	.....	545
3	".....	37	.....	9	10	10	Hall.....	Nov.	26	00	.....	*589

*Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Beaver River..	Quackenbush, J. W.	Albion.....	Pioneer Ditch.....	1
Beaver River..	Babcock, H. E.....	Columbus..	Great Eastern Canal..	2
Beaver River..	Long, C. W.....	Genoa.....	Windmill Irr.....	3
Beaver River..	Long, C. W.....	Genoa.....	Windmill Irr.....	4
Brush Creek...	Roueche, P. S.....	Brownlee..	P. S. Roueche Ditch..	5
Calamus River	Hesselgesser, R.....	Prime.....	Cal. Val. Irr Canal..	6
Calamus River	Shoemaker, A. E.....	Burwell...	Home Supply Canal..	7
Calf Creek....	Cady, W. E.....	Compton...	Calf Creek Ditch....	8
Cedar River...	Neb Ir & Power Co	Ord.....	Cedar River Canal...	9
Cow Creek....	Edgar, H. R.....	Brownlee..	Homestead Ditch....	10
Cow Creek....	Erier, J.....	Brownlee..	Cabbage Head Ditch..	11
Goose Creek...	Erickson, P C & J H	Brewster..	Erickson's Ditch....	12
Goose Creek...	Giles R. P. et al ..	Purdum...	Giles Ditch.....	13
Goose Creek...	Crook, F.....	Giles.....	Crook Ditch.....	14
Gracie Creek..	Krueger, G.....	Prime.....	Gracie High Line....	15
Looking Glass c	Gerrard, E. H. & F.	Monroe...	Monroe Irr Ditch....	16
Looking Glass c	Babcock, H E.....	Columbus..	Great Eastern Canal..	17
Loup River....	Harvey, Robt.....	St. Paul...	South Loup Canal....	18
Loup River....	Babcock, H. E.....	Columbus..	Neb Cen Irr. Co Can..	19
Loup River....	Nelson, O. Gates, C.	A.....	New York Canal....	20
Loup River....	McEathron, W. J.	Richland...	Platte County Canal..	21
Loup River....	Neb Central Ir. Co.	Columbus..	Great Eastern Canal..	22
Loup Riv N Br	North Loup Irr. & Imp. Co.....	North Loup	North Loup Ditch....	23
Loup Riv N Br	Lee, J. R.....	Brownlee..	Lee Ditch.....	24
Loup Riv N Br	Burwell Irr. Co....	Burwell...	Burwell Irr Ditch....	25
Loup Riv N Br	Newton Irr. Co....	Almeria...	Burwell Irr Ditch....	26
Loup Riv N Br	Roueche, P. S.....	Brownlee..	Minnie Roueche Dit..	27
Loup Riv N Br	Northup, H. A.....	Hawley...	Northup Canal.....	28
Loup Riv N Br	Vandegrift, E. R....	Brownlee..	Hackberry Bend Can..	29
Loup Riv N Br	Edgar, H. R.....	Brownlee..	Golden Corn Canal..	30
Loup Riv N Br	Smith, E. B.....	Brewster..	State Central Canal..	31
Loup Riv N Br	Covey, A. L.....	St. Paul...	Scotia Ir & Wat Pr C	32
Loup Riv N Br	Body, Wm.....	Compton...	Little Jonnie Ditch..	33
Loup Riv N Br	Keller, G. W. & O J	Compton...	Keller Canal.....	34
Loup Riv N Br	Compton Ir & Pr Co	Compton...	Compton Ditch.....	35
Loup Riv N Br	Edwards, H. B.....	Valentine..	North Loup Irr Canal	36
Loup Riv N Br	Johns, H. F., Wil- son, J.....	Burwell...	Rockford Pr Canal..	37
Loup Riv N Br	Tzschuck Canal Co.	Taylor.....	Tzschuck Canal.....	38
Loup Riv N Br	Keller & Co.....	Compton...	Oliver Ditch.....	39
Loup Riv N Br	Davenport, M. D....	Omaha.....	Loup Triangle Canal..	40
Loup Riv N Br	Dowell, T. E.....	Pullman...	Top Ditch.....	41
Loup Riv N Br	Smith, W.....	Burwell...	High Divide Ditch... 42	
Loup R Mid Br	Sherman Co Ir Wat Pr & Imp Co.....	Loup City..	Sherman County Can 43	

STREAMS IN DIVISION 2-A.

	Use to Which Ap.	Second feet Applied for.	Second feet Granted.	Location of Head-gate.				Date of Priority.			Docket No.	App. No.
				S.	T.	R.	County.	M.	D.	Y.		
1	Irrigation		3.57	22	20	6	Boone	Dec.	8	94	287	
2	"		100	24	17	4	Nance	Jan.	22	96		219
3	"		.25	14	17	4	Nance	Mar.	31	96		276
4	"		.25	14	17	4	Nance	Mar.	31	96		277
5	"		2.29	27	27	29	Cherry	Jan.	30	95		67
6	"		.29	16	23	18	Loup	Nov.	20	95		202
7	"		35	16	23	18	Loup	Feb.	6	96		226
8	"		2	1	23	27	Cherry	April	10	96		286
9	"		175	22	21	12	Wheeler	Sep.	14	94	221	
10	"		2.29	7	26	27	Cherry	July	14	94	194	
11	"		.71	18	26	27	Cherry	Sep.	30	95		175
12	"		8	18	25	24	Brown	April	3	95	209	
13	"		10	2	25	25	Cherry	June	1	95	187	
14	"		8	33	25	24	Cherry	June	2	96		345
15	"		.29	29	23	17	Loup	July	9	97		397
16	"		2.86	1	17	3	Platte	June	12	94	289	
17	"		30				Platte	Jan.	22	96		219a
18	"		250	25	13	12	Howard	Jan.	19	95		35
19	"		1200	17	17	3	Nance	Aug.	24	95		129
20	"		300	13	15	8	Nance	April	28	96		291
21	Irr & Power	250		35	17	4	Nance	Jan.	12	98		*429
22	"		1000	27	17	4	Nance	Jan.	5	00		527
23	Irrigation		143	27	19	14	Valley	Sep.	30	93		227 228 232
24	"		40	25	27	29	Cherry	Aug.	7	94		188 189
25	"		110	27	21	17	Loup	Sep.	7	94	224	
26	"		115.14	35	23	21	Blaine	Feb.	5	95	205	
27	"		15	15	27	29	Cherry	June	12	95		18
28	"		20	29	24	24	Blaine	June	25	95		51
29	"		8.57	33	21	28	Cherry	Aug.	7	95		103
30	"		10	27	27	28	Cherry	Aug.	9	95		105
31	"		51.43	27	23	22	Blaine	Sep.	10	95		152
32	"		100	25	19	14	Valley	Oct.	25	95		165
33	"		5.71	5	25	26	Cherry	Nov.	13	95		169
34	"		20	21	26	27	Cherry	Nov.	14	95		187
35	"		35	4	25	26	Cherry	Nov.	19	95		190
36	"		20	27	27	28	Cherry	Feb.	10	96		253
37	Power		250	19	21	16	Garfield	April	8	96		282
38	Irrigation		242.86	30	22	19	Loup	June	5	96		301
39	"		7	16	26	27	Cherry	July	13	96		326
40	"		242.86	35	17	12	Greeley	Jan.	13	97		*367
41	"		1.71	15	28	35	Cherry	April	15	97		386
42	"		20	24	21	27	Loup	Aug.	27	97		403
43	Power		125	26	17	16	Valley	Nov.	30	88	229	

*Pending.

CLAIMS AND APPLICATIONS BY

STREAM.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Loup R., M. Br	Middle Loup Valley Irr. Canal Co. . . .	Sargent	Mid. Loup Val. Ir. C.	1
Loup R., M. Br	Westcott Ir Can Co	Wescott	Wescott Irr. Ditch. . .	2
Loup R., M. Br	Sherman Co. Irr. W. Pr. & Imp. Co. . . .	Loup City. . .	Sherman Co. Canal. . .	3
Loup R., M. Br	Theford Ir. & Pr Co	Theford	Theford Ditch.	4
Loup R., M. Br	Purdum, J. W.	Theford	Norway Irr. Ditch. . .	5
Loup R., M. Br	Lillian Precinct Irr. Ditch & Power Co	Gates.	Lillian Prec. Irr. D. . .	6
Loup R., M. Br	Butcher, A., Greibel, B.	Gates.	Butcher & Greible D.	7
Loup R., M. Br	Grier P.	Seneca.	Grier Irr. Ditch.	8
Loup R., M. Br	Jewett, L. A.	Broken Bow	Jewett's Ditch.	9
Loup R., M. Br	Canyon, C. T., Harris, L. H.	Bolus.	Howard C.W. P. & I.C	10
Loup R., M. Br	Harris, L. H.	Dunning. . . .	Harris Canal	11
Loup R., M. Br	Patton, J. A.	Ord	Arcadia Canal.	12
Loup R., M. Br	Grier, Peter.	Seneca.	Grier Irr. C. No. 2. . . .	13
Loup R., M. Br	Sargent Canal Co. . .	Sargent	Sargent Canal.	14
Loup R., M. Br	Webster, L.	Wescott	Webster Canal.	15
Loup R., M. Br	Webster, L.	Wescott	Webster Canal Ext'n	16
Loup R., M. Br	Sargent, R. H.	Walworth . . .	The Walworth Mills. .	17
Loup R., M. Br	Tillson, W. Z.	Pool's Sid'g	Tillison Ditch.	18
Loup R., S. Br.	Boblitz, E. J.	Tuckerville . .	Boblitz Ditch.	19
Loup R., S. Br.	Boblitz, E. J.	Tuckerville . .	Boblitz Ditch.	20
Loup R., S. Br.	Callaway Mill Co. . .	Callaway. . . .		21
Loup R., S. Br.	Holliday, C. T.	Broken Bow	Holliday Canal.	22
Loup R., S. Br.	South Loup Irr. Co.	Callaway. . . .	South Loup Canal. . . .	23
Loup R., S. Br.	Arown, A. D.	Milldale. . . .	A. D. Brown Canal. . . .	24
Loup R., S. Br.	Brown, A. D.	Milldate. . . .	A. D. Brown Canal. . . .	25
Loup R., S. Br.	Hartzell, B. F.	Logan.	Hartzell's Ditch.	26
Muddy Creek. . .	Penn, C.	Broken Bow	Penn's Irr. Ditch.	27
Muddy Creek. . .	Conley, J. W.	Broken Bow	J. W. Conley Irr. Pl't	28
Muddy Creek. . .	Benson, Wm. C. . . .	Litchfield. . . .	Litchfield Mills.	29
Platte River . . .	Fremont C. & P. Co.	Fremont	Fremont Canal.	30
Platte River . . .	Keene, Lewis M. . . .	Fremont	Fremont Pr. Canal. . . .	31
Platte and Elkh	Seymour Park Can. & Wat. Power Co.	Omaha	Seymour Park Canal	32
Platte River . . .	Baum, J. E.	Omaha	Omaha Pr. Canal.	33
Shell Creek . . .	Schmitt, P.	Columbus	Schmitt's Irr. Canal. . .	34
Shell Creek . . .	Schmitt, P.	Columbus	Schmitt's Irr. Canal. . .	35
Shell Creek . . .	Gottberg, M.	Columbus	Gottberg Irr. Pl.	36
Shell Creek . . .	Hill, J. W.	Schuyler.	Colfax Canal.	37
Shell Creek . . .	Hill, J. W.	Schupler.	Colfax Canal.	38
Spring Creek. . .	Hendryx, H.	Monroe.	Hendryx Ditch	39
Victoria Creek	Daily, Gilligan & Co	Anselmo.	Victoria Irr. Plant. . . .	40

STREAMS IN DIVISION 2-A.—Continued.

	Use to Which Ap.	Second feet Applied for.	Second feet Granted.	Location of Head-gate.		Date of Priority.		Docket No	App. No.	
				S	T R	County.	M			D Y
1	Irr.....		560.29	15	21 22	Blaine.....	June	7 94	202	
2	".....		84.57	15	19 18	Custer.....	Aug.	8 94	214	
3	".....		244	26	17 16	Valley.....	Aug.	13 94	229	
4	".....		43	4	23 29	Thomas.....	Aug.	26 94	198	
5	".....		2.86	31	24 29	Thomas.....	Sep.	8 94	199	
6	".....		140	30	21 21	Blaine.....	Oct.	19 94	204 216	
7	".....		18.29	36	20 21	Custer.....	Feb.	17 95	220	
8	".....		5	20	24 30	Thomas.....	June	1 95		10
9	".....		4.29	30	22 24	Blaine.....	Aug.	12 95		113
10	".....		65	30	13 12	Howard.....	Dec.	5 95		200
11	".....		21.42	16	23 25	Blaine.....	Feb.	21 96		248
12	".....		20	16	17 16	Valley.....	Mar.	6 95		262
13	".....		25	21	24 30	Thomas.....	Mar.	29 96		282
14	".....		29	12	19 19	Custer.....	Sep.	28 97		412
15	".....		1.71	20	19 17	Custer.....	Mar.	5 98		442
16	".....		8.57	20	19 17	Custer.....	May	3 99		505
17	Power.....		27	35	20 20	Custer.....	Aug.	16 00		573
18	Irr.....		15.57	29	12 15	Buffalo.....	Dec.	28 94	236	
19	".....		.50	10	14 21	Custer.....	Jan.	17 95	219	
20	Power.....		20	10	14 21	Custer.....	Jan.	17 95	219	
21	".....	83				Custer.....			*988	
22	Irr.....		2.29	25	17 25	Custer.....	July	5 95		62
23	".....		71.43	6	16 24	Custer.....	Feb.	6 96		229
24	".....		4.57	31	17 24	Custer.....	Feb.	23 97		363
25	Power.....		60	31	17 24	Custer.....	Feb.	23 97		363
26	Irr.....		.87	27	18 26	Logan.....	May	18 97		390
27	".....		.50	33	17 20	Custer.....	Aug.	14 94	215	
28	".....		.50	32	17 20	Custer.....	Feb.	17 96		236
29	Power.....	54		33	14 16	Sherman.....			*999	
30	P. & Ir.....		2500	30	17 4-E	Butler.....	June	21 95		40
31	P. & Ir.....	2500		30	17 4-E	Butler.....	Jan.	2 00		*530
32	Ir. & P.....		180 I. 1500 P	1	16 8-E	Dodge.....	Oct.	25 98		480
33	".....	2000		1	16 8	Dodge.....	Aug.	16 00		*572
34	Irr.....		3	19	18 1	Platte.....	Dec.	17 94	292	
35	Power.....		30.50	19	18 1	Platte.....	Dec.	17 94	292	
36	Irr.....		1	24	18 1	Platte.....	June	6 95		2
37	".....		28.57	35	18 3-E	Colfax.....	Sep.	11 95		156
38	".....		7.43	36	18 3-E	Colfax.....	Mar.	20 96		288
39	".....		1.33	2	17 3	Platte.....	June	25 94	290	
40	".....		2.29	1	19 21	Custer.....	Mar.	17 94	210 212	

* Pending.

CLAIMS AND APPLICATIONS BY

Streams.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Victoria Creek	Victoria Ditch Ass'n	Gates.....	Victoria Ditch.....	1
Victoria Creek	Langhran, T., Bell, I. P.....	New Helena	Langhran & Bell D..	2

STREAMS IN DIVISION 2-A.—Concluded.

	Use to Which Ap.	Second feet Applied for.	Second feet Granted.	Location of Head. gate.				Date of Priority.			Docket No.	App. No.
				S	T	R	County.	M	D	Y		
1	Irr.....	.....	4.29	1	19	21	Custer.....	July	17	94	218	.....
2	" .....	.....	4.00	3	19	21	Custer.....	Sept.	22	94	217	.....

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch	
Big Cottonw'd.	Hansberry, Jon. T.	Bloomg'ton.	Bloomington Mill R..	1
Big Cottonw'd.	Julanf, Chas. E. . . .	Ravenna. . . .	Bloomington Mill R..	2
Big Cottonw'd.	Zulauf, Chas. E. . . .	Ravenna. . . .	Bloomington Mill R..	3
Buffalo Creek..	Larned, Frederick	Haigler	Allen & Larned Ditch	4
Buffalo Creek..	Porte, J. R. & Sons	Haigler	Porter & Sons Ditch..	5
Buffalo Creek..	Moore, Eliza.	Haigler	Moore Ditch.	6
Buffalo Creek..	Moore, Eliza.	Haigler	Moore Ditch.	7
Center Creek...	Gregory, A. B., Gar-			
	rett, P. C.	Franklin. . . .	Gregory Ditch	8
Center Creek...	Bishop, D. L., Conk-			
	ling, Jas Jr.	Franklin. . . .	Center Creek D.No. 1	9
Center Creek...	Barber, F. W.	Franklin. . . .	Barber Ditch.	10
Coates Creek...	Burton, R. D.	Franklin . . . .	. . . . .	11
Cook Creek. . . .	Sharpnac, W. A. . . .	Alma.	Sharpnac Ditch. . . .	12
Driftwood Crk.	Walsh, Patrick. . . .	McCook.	Driftwood Ditch. . . .	13
Driftwood Crk.	Stock, F. A.	Falls City. . . .	Stock's Ditch.	14
Driftwood Crk.	Wasson, Chas. A. . . .	McCook.	Wasson Pump. Plant	15
Fox Creek.	Phoenix Ins. Co. . . .	Htf'd, Conn. . . .	. . . . .	16
Frenchman R.	Fisher, Polly & Co.	Wauneta.	Wauneta Mills.	17
Frenchman R.	James, R. P.	Champion. . . .	Champion Mills.	18
Frenchman R.	McGillin, W. J.	Imperial.	Aberdeen Ditch.	19
Frenchman R.	McGillin, W. S.	Imperial.	Harlem Ditch.	20
Frenchman R. and Stinking Water Creek	Culbertson & Wat.			
	Pr. Co.	Culbertson. . . .	Culbertson Iri. and Water Pr. Canal. . . .	21
Frenchman R.	Wirsig, O. H.	Champion. . . .	Champion Wat. Pr. and Irri. Ditch. . . .	22
Frenchman R.	McGillen, W. J. . . .	Imperial.	Aberdeen Ditch	23
Frenchman R.	Farmers Canal Co.	Culbertson. . . .	Farmers Canal.	24
Frenchman R.	Fulle, C. D.	Imperial.	Fuller Ditch	25
Frenchman R.	River Side Canal & Irrigation Co.	Culbertson. . . .	Riverside Danal.	26
Frenchman R.	Carrington, L. J., L. C. Blount.	Culbertson. . . .	Frenchman Val Can.	27
Frenchman R.	Hagerman, J.			
	Hagerman, Wm.	Hudson	Hagerman Ditch. . . .	28
Frenchman R.	Gould, Wilson S. . . .	Omaha	Gould or Harlem D..	29
Frenchman R.	Grant, Allen.	Imperial.	Grant or Harlem D..	30
Frenchman R.	Maranville, E., Over-			
	tree, M., Beard, B.	Lamar	Maranville Ditch. . . .	31
Frenchman R.	Wise, J. S.	Hudsona.	Wise Ditch.	32
Frenchman R.	Gurnsey, D. & Co.	Wauneta	N. Side Gurnsey D..	33
Frenchman R.	Gurnsey, D. & Co.	Wauneta.	S. Side Gurnsey D..	34
Frenchman R.	Inman, N.	Champion. . . .	Inman Ditch.	35
Frenchman R.	Cunningham, A.	Imperial.	Gilly D	36

STREAMS IN DIVISION 1-B.

	Use to Which App.	Second feet App. for.	Second feet Granted.	Location of Head-gate.			Date of Priority.		Docket No.	App. No.		
				S.	T.	R.	County.	M.			D.	Y.
1	Power .....		.50	25	2	16	Franklin.....	Dec...	31	81	185	.....
2	"		6	25	2	16	Franklin.....	Nov...	23	98	.....	483
3	Irrigation		1.43	25	2	16	Franklin.....	Nov...	23	98	.....	483
4	"		6.	1	1	40	Dundy.....	Oct...	16	90	117	.....
5	"		2.86	1	1	41	Dundy.....	Nov...	26	90	171	.....
6	"		3.43	26	2	41	Dundy.....	Oct....	4	95	.....	170
7	"		2.	.....	2	41	Dundy.....	Oct....	4	95	.....	171
8	"		4.	1	1	15	Franklin.....	Aug...	11	94	182	.....
9	"		2.	22	2	15	Franklin.....	Dec...	12	95	.....	196
10	"		2.	1	1	15	Franklin.....	April.	3	96	.....	285
11	" .....		.71	33	2	14	Franklin.....	Mar...	6	99	.....	501
12	"		1.	4	1	18	Harlan.....	Feb...	21	96	.....	251
13	"		1.71	1	2	30	Red Willow	April.	20	94	107	.....
14	"		1.14	33	2	31	Hitchcock	Mar...	26	97	.....	388
15	" .....		.86	12	2	30	Red Willow	Jan...	14	98	.....	431
16	"		1	29	9	28	Lincoln	Feb...	14	96	.....	234
17	Power	37.6	11	5	36	Chase	July.	31	86	*178	.....
18	"		21	6	39	Chase	Dec...	31	87	*179	.....
19	Irrigation ..		2.	3	5	38	Chase	July.	1	88	50	.....
20	"		2.	1	5	38	Chase	July.	1	88	56	.....
21	"		215.	31	5	33	Hayes	May...	16	90	.....	24 25 29 30
22	"		64.86	24	6	40	Chase	Dec...	23	90	47	.....
23	" .....		.50	3	5	38	Chase	Feb...	2	91	50	.....
24	"		10.	11	3	32	Hitchcock...	Dec...	19	93	10	.....
25	"		25.	4	5	36	Chase	June.	12	94	62	.....
26	"		12.	33	4	32	Hitchcock..	July.	28	94	18	.....
27	"		10.	32	5	33	Hayes	Aug...	23	94	38	.....
28	"		1.29	24	5	35	Hayes	Aug...	27	94	39	.....
29	"		2.	1	5	38	Chase	Oct...	9	94	67	.....
30	"		2.	3	5	38	Chase	Oct...	16	94	68	.....
31	"		6.	12	6	41	Chase	Dec...	8	94	.....	70 71
32	"		2.	15	5	35	Chase	Dec...	28	94	42	.....
33	"		5.	3	5	37	Chase	Jan...	14	95	74	.....
34	"		24.	10	5	37	Chase	Jan...	14	91	75	.....
35	"		1.50	17	6	40	Chase	Feb...	28	95	79	.....
36	"		2.	31	6	38	Chase	June.	11	95	.....	13

*Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Frenchman R.	Sheeks, D. P.	Beverly	Goker Ditch	1
Frenchman R.	McAuliffe, J.	Imperial	Jno. McAuliffe Ditch	2
Frenchman R.	Locker, J. H.	Hudson	Locker Ditch	3
Frenchman R.	M. Gillin, W. J.	Imperial	McGillin Ditch	4
Frenchman R.	Leachey, A. A.	Lamar	Bussell's Mill	5
Frenchman R.	Grant, J. S.	Imperial	John Grant Ditch	6
Frenchman R.	North Side Irr D Co	Imperial	North Side Irr Ditch	7
Frenchman R.	Farmers Canal Co.	Culbertson	Farmers Canal	8
Frenchman R.	Shallenberger, P. H.	Imperial	Shallenberger Canal	9
Frenchman R.	Inman Dit & Irr Co	Imperial	Inman Ditch	10
Horse Creek	Davenport, H. W & Nesbit, J. M.	Ives	Horse Creek Ditch	11
Horse Creek	Pringle, Esther L.	Ives	Pringle Ditch	12
Indian Creek	Thompson & Van- Sickle	Benkleman	Thompson & Van- Sickle	13
Indian Creek	Kimsey, J. W., Kim- sey, C. C.	Benkleman	Kimsey Ditch	14
Indian Creek	Wilson, Ed.	Stratton	Wilson Ditch	15
Indian Creek	Chamberlain, J. C.	Max	Chamberlain Ditch	16
Indian Creek	Chamberlain, J. C.	Max	Chamberlain Ditch	17
Medicine Creek	Rodwell, E. C., & Brown, C. M.	Cambridge		18
Medicine Creek	Sanders, John L.	Stockville	Sanders Irr Plant	19
Medicine Creek	Phillips, R. O.	Lincoln	Curtis Lake	20
Muddy Creek	Phillips, T. C.	Max	Phillips Ditch	21
Peppermint Cr	Betts, N. O.	Bloomington	Betts Ditch	22
Red Willow Cr	Holland, L. J.	Indianola	L. J. Holland Ditch	23
Red Willow Cr	Helm, John F.	Red Willow		24
Red Willow Cr	Moore, Wm. H.	Indianola		25
Red Willow Lk	Cooper, James	Wallace		26
Red Willow Lk	Cooper, James	Dickens	Red Willow Lake Can	27
Republican Riv	Carson, Andrew	McCook	Carson Ditch No. 1.	28
Republican Riv	Trites, W. H. Davenport, H. W.	Culbertson	Trites-Davenport Ca.	29
Republican Riv	McCook Irr & Wat Power Co.	McCook	C. H. Meeker Irr & Water Power Canal	30
Republican Riv	Trenton Farmers Irr Association	Trenton	Trenton Farmers I D	31
Republican Riv	Carson, Andrew	McCook	Carson Ditch No. 2.	32
Republican Riv	Cambridge & Arap- ahoe Irr & Imp Co	Crete	Cam. and Arap Irr & Imp Co Ditch	33
Republican Riv	Republican River Irr Co	Benkleman	Republican River Irr Co. Ditch	34
Republican Riv	White, Geo, Larned Wm. H.	Haigler	White & Larned Dit.	35

STREAMS IN DIVISION 1-B.—Continued.

	Use to Which Applied.	Second feet Granted.	Location of Head-gate.			Date of Priority			Docket No.	App. No.
			S	T	R	County.	M	D			Y
1	Irrigation	2.86	8	4	33	Hitchcock..	June	24	95	47
2	"	2	4	5	37	Chase	July	3	95	59
3	"	1	24	5	35	Hayes	Aug.	1	95	93
4	"	2.29	6	5	37	Chase	Aug.	26	95	131
5	Power		18	6	40	Chase	Aug.	30	95	*131
6	Irrigation	1	1	5	38	Chase	Sep.	10	95	154
7	"	2.86	21	6	39	Chase	Feb.	25	96	246
8	"	100	11	3	32	Hitchcock..	Dec.	9	96	362
9	"	3	25	6	39	Chase	Dec.	21	97	423
10	"	10	17	6	40	Chase	Feb.	10	98	436
11	"	1.86	23	1	39	Dundy	Aug.	31	85	159
12	"	2.14	11	1	39	Dundy	Jan.	12	97	173
										364
13	"	1.43	8	2	37	Dundy	June	20	95	237
14	"	1	10	2	37	Dundy	June	20	95	261
15	"	4.71	23	2	36	Dundy	June	22	95	268
16	Irrigation & Fish..	.06	18	2	36	Dundy	Oct.	4	95	240
17	"	1.14	12	2	37	Dundy	Oct.	19	95	185
18	Power	68	29	4	25	Furnas	Dec.	31	78	92
19	Irrigation	1.43	27	7	27	Frontier	Feb.	8	95	93
20	Wat. Supply & Pr.		32	8	28	Frontier				83
21	Irrigation	2.14	2	2	36	Dundy	Jan.	19	95	*364
22	"	.50	28	2	15	Franklin	Jan.	13	98	235
23	"	35	16	3	28	Red Willow	Jan.	23	91	430
24	"	2	17	3	28	Red Willow	Feb.	18	95	95
25	Power		16	3	28	Red Willow				111
26	Irrigation	2	36	9	33	Lincoln	Dec.	20	93	*181
27	"	2.14	36	9	33	Lincoln	Aug.	30	95	647
28	"	1.43	27	3	30	Red Willow	July	1	88	249
29	"	7	20	3	31	Hitchcock..	Dec.	18	90	103
30	"	143	15	3	31	Hitchcock..	Dec.	22	90	3
										4, 9
										8, 7
31	"	32	10	2	34	Hitchcock..	Dec.	24	90	5
32	"	18	27	3	30	Red Willow	May	5	91	102
33	"	170	28	4	25	Furnas	Aug.	26	91	89
34	"	30	29	1	38	Dundy	May	2	92	147
										148
35	"	3	22	1	40	Dundy	April	29	93	150

*Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Republican Riv	Marr, Lorenzo.....	Culbertson	Marr Ditch.....	1
Republican Riv	Anderson, Anders..	Benkelman	Anders Anderson D..	2
Republican Riv	Frey, J. W.....	Trenton....	Grovert & Frey D....	3
Republican Riv	Groesbe'k & Cannon	Max.....	Groesbeck & Cannon Ditch.....	4
Republican Riv	Thomas, A. J.....	Haigler....	Thomas Ditch.....	5
Republican Riv	Ballard, Henry L....	Oxford.....	Ballard Ditch.....	6
Republican Riv	Byfield, William....	McCook....	Byfield Ditch.....	7
Republican Riv	Wilcox, F. S.....	McCook....	Wilcox Ditch.....	8
Republican Riv	Delaware-Hickman Ditch Co.....	Benkelman	.....	9
Republican Riv	Allen, E. M., Allen H. P.....	Arapaho....	Allen Irr. Ditch.....	10
Republican Riv	Benedict, I.....	Culbertson..	Benedict Ditch.....	11
Republican Riv	Anderson, C., An- derson, A.....	Benkelman	Anderson Bros. Ditch	12
Republican Riv	Nelson, O. F.....	Stratton....	Nelson Irr. Ditch....	13
Republican Riv	Pickering, J.....	Trenton....	Northside Pioneer Ir. Ditch.....	14
Republican Riv	Spooner, J. A.....	Ives.....	Private Ditch.....	15
Republican Riv	Harmon, W. H.....	McCook....	Harmon Ice Pond D..	16
Republican Riv	Walsh, Patrick.....	McCook....	P. Walsh Canal.....	17
Rep. R., N. Fk.	Brown, W. A.....	Haigler....	Sand Point Ditch Co.	18
Republican Riv	Dundy Co Irr. Co..	Benkelman	Dundy Co. Irr. Ditch	19
Republican Riv	Neighbor, E. C.....	Benkelman	Neighbor Ditch.....	20
Republican Riv	Rep. River Irr. Co..	Benkelman	Rep. River Irr. Canal	21
Rep. R., S. Fk.	Karr, J. W.....	Benkelman	Karr's Ditch.....	22
Republican Riv	Riverside Ditch Co.	Benkelman	Riverside Ditch.....	23
Rock Creek....	Highland, E. F., Bon- nat, A. B., Phelan, J. R., Williams, R.	Denver, Col.	Phelan Ditch.....	24
Rock Creek...	Owens, J. S., Owens, E. E.....	Ives.....	Owens' Ditch.....	25
Rock Creek....	Rock Creek Co.....	Ives.....	Rock Co. Ditch.....	26
Sappa Creek...	Wheeler, Matilda E.	Precept....	.....	27
Sappa Creek...	Zulauf, Geo. W.....	Stamford...	Stamford Mills.....	28
Spring Creek..	Callinan, Oscar....	Benkelman	Benkelman Ditch....	29
Spring Creek..	Hatcher, Minnie E..	Imperial...	Hatcher Ditch.....	30
Stinking Wat C	Chase Co. Land & Live Stock Co....	Beatrice....	Chase Co. Land & L. Stock Co. Ditch 2...	31
Stinking Wat C	McLain, Frank....	Imperial...	McLain's Ditch.....	32
Stinking Wat C	Chase Co. Land & Live Stock Co....	Beatrice....	Chase Co. Land & L. Stock Co. Ditch 7...	33
Stinking Wat C	Chase Co. Land & Live Stock Co....	Beatrice....	Chase Co. Land & L. Stock Co. Ditch 6...	34

STREAMS IN DIVISION 1-B.—Continued.

	Use to Which Ap.	Second feet Applied for.	Second feet Granted.	Location of Head-gate.			Date of Priority.			Docket No.	App. No.	
				S	T	R	County.	M.	D			Y
1	Irrigation	.....	4.29	16	3	31	Hitchcock..	Jan.	22	94	11	.....
2	"	.....	2	1	1	37	Dundy.....	Jan.	26	94	151	.....
3	"	.....	1	4	2	33	Hitchcock..	Jan.	29	94	13	.....
4	"	.....	10	10	1	37	Dundy.....	Mar.	27	94	153	.....
5	"	.....	2	24	1	40	Dundy.....	June	5	94	154	.....
6	"	.....	8	8	3	21	Furnas.....	June	9	94	91	.....
7	"	.....	12	23	3	29	Red Willow	June	11	94	108	.....
8	"	.....	4.50	32	3	29	Red Willow	Oct.	1	94	209	.....
9	"	.....	20	17	1	37	Dundy.....	Jan.	7	95	150	.....
10	"	.....	14	2	3	26	Red Willow	Jan.	26	95	110	.....
11	"	.....	2.86	19	3	31	Hitchcock..	June	24	95	.....	43
12	"	.....	7	2	1	37	Dundy.....	Nov.	13	95	.....	193
13	"	.....	10	10	2	34	Hitchcock..	Feb	17	96	.....	241
14	"	.....	10	9	2	34	Hitchcock..	Mar.	14	96	.....	266
15	Ice .....	.....	1	25	1	40	Dundy.....	Oct.	7	97	.....	413
16	Irrigation	.....	10	32	3	29	Red Willow	Jan.	22	00	.....	535
17	"	.....	11	35	3	30	Hitchcock..	Jan.	31	00	.....	537
18	"	.....	11	11	1	42	Dundy..	Sept.	25	90	115	.....
19	"	.....	45	24	1	39	Dundy.....	Nov.	22	90	118	.....
20	"	.....	2.86	24	1	38	Dundy.....	Mar.	18	91	135	.....
21	"	50	.....	29	1	33	Dundy.....	Aug.	22	00	.....	*377
22	"	.....	2	20	1	37	Dundy.....	July	23	94	155	.....
23	"	.....	13	29	1	37	Dundy.....	Aug.	5	94	156	.....
24	"	.....	4.29	17	1	39	Dundy.....	Dec.	31	83	138	.....
25	"	.....	1.29	31	2	39	Dundy.....	June	20	95	.....	265
26	"	.....	1	13	2	40	Dundy.....	Dec.	12	99	.....	526
27	"	.....	.43	13	1	22	Furnas.....	July	26	97	.....	399
28	Power.....	41	.....	21	2	20	Harlan.....	.....	.....	.....	*997	.....
29	Irrigation	.....	1.50	19	1	37	Dundy.....	Dec.	31	96	.....	373
30	"	.....	1	3	6	36	Chase.....	Sept.	5	95	.....	148
31	"	.....	2.86	10	7	38	Chase.....	Mar.	10	94	57	.....
32	"	.....	2.50	28	7	37	Chase.....	Sept.	24	94	65	.....
33	"	.....	4.57	36	7	37	Chase.....	Dec.	21	94	72 175	.....
34	"	.....	2	13	7	37	Chase.....	Jan.	28	95	76	.....

* Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Stinking Wat C	Chase Co. Land & Live Stock Co....	Beatrice....	Chase Co. Land & L. Stock Co. Ditch 5..	1
Stinking Wat C	Chase Co. Land & Live Stock Co....	Beatrice....	Chase Co. Land & L. Stock Co. Ditch 3..	2
Stinking Wat C	Cummings, W. R. ...	Palisade....	.....	3
Stinking Wat C	Chase Co. Land & Live Stock Co....	Beatrice....	Chase Co. Land & L. Stock Co. Ditch 4..	4
Stinking Wat C	Chase Co. Land & Live Stock Co....	Beatrice....	Chase Co. Land & L. Stock Co. Ditch 1..	5
Thompson Cr..	Johnson, T.	Fairfield....	Spring Dale Farm D.	6
Turkey Creek..	Wilt & Polly.....	Naponee .....	.....	7
Turkey Creek..	Waters, E. H.	McCook	Edison Ditch.....	8

STREAMS IN DIVISION 1-B.—Concluded.

	Use to Which Ap.	Second feet Applied for.	Second fee Granted.	Location of Head-gate.			Date of Priority.			Docket No.	App. No.	
				S	T	R	County.	M	D			Y
1	Irrigation	.....	1.50	14	7	38	Chase	Jan.	29	95	77	.....
2	"	.....	1.71	14	7	38	Chase	Jan.	29	95	78	.....
3	Power	.....	.....	30	5	33	Hayes	.....	.....	.....	*41	.....
4	Irrigation	.....	1.71	14	7	38	Chase	June	27	95	.....	56
5	.....	.....	1.43	4	7	38	Chase	June	27	95	.....	57
6	.....	.....	1	4	2	13	Franklin	Sept.	30	95	.....	174
7	Power	.....	.....	4	1	16	Franklin	Dec.	31	74	*183	.....
8	Irrigation	.....	5	31	4	21	Furnas	Aug.	4	00	.....	571

* Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Battle Creek...	Herbison, H.	Madison...	Battle Cr. Roll Mills.	1
Cache Creek...	Tromershauer, J. A.	Ewing.....	.....	2
Dry Creek...	Carlton, T.	O'Neill.....	Carlton D.....	3
Dry Creek....	Benedict, E. H.	O'Neill.....	Benedict D.....	4
Elkhorn River.	Rehberg, F. X. & Co	Atkinson...	Atkinson Mill.....	5
Elkhorn River.	Elkhorn Irri. Co...	O'Neill.....	.....	6
Elkhorn River.	Davis, J.	O'Neill.....	.....	7
Elkhorn River.	Carlton, T.	O'Neill.....	.....	8
Eikhorn River.	Carlton, T.	O'Neill.....	.....	9
Elkhorn River.	Ashton, W. B.	O'Neill.....	.....	10
Elkhorn River.	Cain, N. E. et al.	O'Neill.....	.....	11
Elkhorn River.	Sugar Cy. Cereal.	Madison...	Sugar Cy. Cereal....	12
Elkhorn River.	Leisy, H.	Wisner.....	Elkhorn Ranch Can.	13
Elkhorn River.	Leisy, H.	Wisner.....	Elkhorn Ranch Can.	14
Elkhorn River.	Selah, C.	O'Neill.....	Progress Irri. & Col- onization Soc. D... 15	
Elkhorn River.	Murphy, J. G., Re- berg, F. X.	Atkinson...	Atkinson Milling ... & Irri. Co. Ditch... 16	
Elkhorn So. Br.	Smith, G. F.	Ewing.....	Clover Dale Ditch... 17	
Elkhorn So. Br.	Sanders, M. F.	Ewing.....	..... 18	
Oak Creek....	Eiche, Herman....	Lincoln ...	Eiche Irri. Plant. ... 19 Spring Brook Aque- duct.....	
Springs.....	Newton Land Co...	Omaha.....	..... 20	
Silver Creek...	Armour & Co.	So. Omaha.	Armour & Co. Res'vr 21	
Silver Creek...	Swift & Co.	Omaha.....	Swift & Co. Reser'vr. 22	
Union & Taylor Creeks.....	Bley, Louis G.	Madison....	Union Val. R. Mills.. 23	
Wahoo Creek..	Swift & Co.	Omaha.....	Swift & Co. Reser'vr. 24	

STREAMS IN DIVISION 2-B.

	Use to	Second feet App. for.	Second feet Granted.	Location of Head- gate.			Date of Priority.			Docket No.	App. No		
				S.	T	R	County.	M.	D			Y	
1	Power		10.67	36	24		3	Madison..	Nov..	12	98	.....	484
2	Irrigation...		5.71	30	26		9	Holt.....	April.	20	98	.....	450
3	"		2.29	18	28		11	Holt.....	Jan..	5	95	.....	33
4	"		2.29	18	28		11	Holt.....	Jan..	31	96	.....	225
5	Power		38.50	30	30		14	Holt.....	Nov..	1	83	.....	271
6	Irrigation...		131.43	32	29		13	Holt.....	Feb..	3	94	.....	259
7	"		1.43	31	29		11	Holt.....	Feb..	8	94	.....	260
8	"		1	32	29		11	Holt.....	Feb..	8	94	.....	261
9	"		5	30	29		11	Holt.....	Feb..	8	94	.....	262
10	" .....		.71	24	29		13	Holt.....	Feb..	18	95	.....	282
11	"		5	32	29		11	Holt.....	Feb..	20	95	.....	283
12	Power	85		23	24		1	Madison..	.....	.....	.....	.....	*996
13	Irrigation...		25	5	23		-E	Cuming..	July..	15	95	.....	77
14	Power		25	5	23		-E	Cuming..	July..	15	95	.....	77
15	Irrigation...	80		32	29		11	Holt.....	Feb..	24	96	.....	*250
16	Irrigation...		2.29	30	30		14	Holt.....	Feb..	14	98	.....	443
17	"		9	10	26		9	Holt.....	Feb..	7	96	.....	232
18	Power		33	3	26		9	Holt.....	Aug..	21	98	.....	464
19	Irrigation...		71	17	19		6-E	Lancaster	Jan..	4	99	.....	489
20	"		1	13	14		6-E	Sarpy....	June.	18	95	.....	29
21	Ice		10	7	13		9-E	Saunders.	Oct..	18	97	.....	415
22	"		10	7	13		9-E	Saunders.	Dec..	6	99	.....	524
23	Power	75		32	22		1-W	Madison..	.....	.....	.....	.....	*998
24	Ice		10	34	13		9-E	Howard..	Sept.,	22	98	.....	473

*Pending.

CLAIMS AND APPLICATIONS

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Little Blue....	Wilson, Chas. W...	Hastings....		1
Little Blue....	Philleo, E. A.....	Ayr.....		2
Little Blue....	Myers & Seidenburg	Oak.....	Oak Mill-Race.....	3

BY STREAMS IN DIVISION 1-C.

	Use to Which Applied.	Second feet App. for.	Location of Headgate.				Docket No.
			S	T	R	County.	
1	Irrigation	10	18	5	10	Adams.....	*989
2	"	10	9	5	10	Adams.....	*992
3	Power.....	16	8	5	5	Nuckolls ...	*991

*Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address	Name of Ditch.	
Abitz Creek...	Fullerton, J. B.	Atkinson ..	Fullerton Ditch	1
Antelope Creek	Julian, A. R.	Chadron...	Antelope Ditch	2
Ash Creek.....	Spragg, C.	Kirkwood...	Ash Creek Ditch.....	3
Bear Creek.....	Skinner, T.	Springview.	Skinner Ditch	4
Bear Creek.....	Cedarburg, P.	Springview.	Cedarburg Ditch Nos 1 and 2	5
Beaver Creek..	Hughes, F.	Dustin.....	Hughes' Ditch.....	6
Beeman Creek.	Barnard, C. O.	Springview.	Barnard Ditch.....	7
Beeman Creek.	Beeman, J. D.	Springview.	Beeman Ditch.....	8
Beeman Creek.	Rickman, A. L.	Springview.	Beeman & Rickman..	9
Benner Creek..	Gillespie, B. S.	O'Neill	Benner Creek Ditch..	10
Benner Creek..	Progress Irr. & Col- onization Society.	O'Neill	Progress I. & Col. S. D	11
Bone Creek ...	McAndrew, W. D. ...	Ainsworth..	McAndrew Ditch....	12
Bone Creek ...	Strenger, T.	Ainsworth..	Strenger Ditch.....	13
Blackbird Cr..	Mullen, A.	O'Neill.....	Mullen Ditch	14
Blackbird Cr..	Robertson, J. A.	Joy	Robertson's Ditch....	15
Blackbird Cr..	Roberts, E. T.	Joy	Robert's Ditch.....	16
Bluebird Creek	Murphy, P.	O'Neill.....	Murphy's Ditch.....	17
Bluebird Creek	Bradt, Ella.....	O'Neill.....	Bradt Irr. Canal....	18
Boardman Cr..	Lee, Joseph S.	Chesterfield	Lee Irr. Ditch.....	19
Boardman Cr..	Lee, Joseph S.	Kennedy....	Lee Ditch.....	20
Boardman Cr..	Beekley, Samuel S..	Kennedy....	Beekley Irr. Ditch..	21
Boardman Cr..	Ganow & Sons.....	Kennedy....	Ganow & Sons.....	22
Box Butte.....	Sandoz, Wm.	Grayson ...	Billy's Ditch.....	23
Brush Creek...	Sample, Samuel C..	Butte	Brush Creek Pr. Co..	24
Brush, E. Br..	McCarthy, M. H., McCarthy, W. A.	O'Neill.....	.....	25
Brush, W. Br..	McCarthy, M. H., McCarthy, W. A.	O'Neill.....	.....	26
Brush Creek..	Johnson, J. V.	Celia	Brush Ditch.....	27
Brush Creek...	Armstrong, T. S.	Butte.....	Brush Creek P. R. Co.	28
Burton Creek..	Mutz, Otto.....	Springview.	Burton Creek Ditch..	29
Burton Creek..	Mutz, Otto.....	Springview.	One Trip Irr. Ditch..	30
Burton Creek..	Crampton, C. F.	Lutes	Burton Creek Ditch..	31
Burton Creek..	Wiley, James.....	Lutes	Wiley Ditch.....	32
Cedar Creek...	Bruce, Andrew ...	Penbrook ..	Cedar Canyon Mills..	33
Cedar Gulch...	Taft, R. L.	Brodie.....	Cedar Ditch.....	34
Cottonwoode Cr.	Morrissey, T.	Dunlap	Morrissey's Ditch....	35
Cottonwood Cr	Fendrich & Lichter	Dunlap....	Fendrich & Lichter D	36
Cottonwood Cr	Fenner, B. L.	Dunlap....	Beauty Ditch.....	37
Cottonwood Cr	Vifquain, E. T.	Marlbank ..	Vifquain Ditch	38
Creek	Opperman, Laura L.	Springview.	Opperman D. No. 3..	39
Crooked Creek	Mutz, Otto.....	Springview.	.....	40
Crooked Creek	Mutz, Otto.....	Springview)	Crooked Cr. Ditch..	41
Cross Creek....	Hutchison, W. H. ...	Penbrook ..	Hutchison	42
Cub Creek.	Tissue & Patterson.	Springview.	Tissue & Patterson D	43
Cub Creek.....	McCumber, S. S.	Meadville ..	McCumber Ditch....	44

STREAMS IN DIVISION 2-C.

	Use to Which Ap.	Second feet App. for.	Second feet Granted.	Location of Head gate.			Date of Priority.			Docket No.	App. No.
				S.	T.	R.	County.	M.	D.			Y.
1	Irrigation		.36	18	30	13	Holt	Mch.	23	96	278
2	"		1	20	32	40	Cherry	Aug.	19	95	119
3	"		2.14	10	31	17	Rock	Feb.	10	96	233
4	"		.22	15	32	21	Keya Paha.	June	20	88	609
5	"		.07	8	32	21	Keya Paha.	Oct.	3	98	479
6	"		.86	18	33	15	Holt	Aug.	22	95	124
7	"		.43	21	32	20	Keya Paha.	June	1	92	603
8	"		1	23	32	20	Keya Paha.	May	20	92	620
9	"		.29	23	32	20	Keya Paha.	July	25	95	613
10	"		1.14	31	33	11	Holt	Jan.	6	96	213
11	"		1.14	32	33	11	Holt	June	29	96	320
12	"		2.57	27	30	22	Brown	Aug.	21	95	121
13	"		7	16	31	21	Brown	Feb.	7	96	221
14	"		1	20	31	11	Holt	Aug.	18	94	267
15	"		.20	32	31	11	Holt	Aug.	23	94	270
16	"		.43	29	31	11	Holt	June	25	96	318
17	"		1.	26	30	11	Holt	Sept.	7	94	273
18	"		1.14	26	30	11	Holt	Dec.	14	95	195
19	"	19		6	29	33	Cherry				*973
20	"	19		16	29	33	Cherry	Mch.	23	96	*275
21	"		1.71	13	30	31	Cherry	July	14	97	398
22	"		2	19	30	31	Cherry	Mch.	31	99	503
23	"		1.14	21	29	45	Sheridan	Jan.	13	00	533
24	Power		15	23	33	15	Boyd	Sept.	23	98	474
25	Irrigation		.50	24	32	14	Holt	July	1	94	264
26	"		.63	26	32	14	Holt	Aug.	15	95	266
27	"		.71	26	32	14	Holt	Mch.	26	96	272
28	Power	1200		23	33	13	Holt	June	21	00	*568
29	Irrigation		.57	19	34	19	Keya Paha.	June	30	95	608b
30	"		2.	2	33	20	Keya Paha.	Sept.	2	95	142
31	"		.14	5	34	19	Keya Paha.	Sept.	9	95	150
32	"		.17	8	34	19	Keya Paha.	Feb.	13	96	239
33	Power		5.	33	34	25	Cherry	Feb.	22	97	508
34	Irrigation		1	14	32	16	Holt	Dec.	29	96	372
35	"		.71	17	29	48	Dawes	Feb.	16	95	481
36	"		1.14	22	29	48	Dawes	May	9	96	336
37	"		1.71	22	29	48	Dawes	Oct.	2	00	578
38	"		1.14	21	35	22	Keya Paha.	Apr.	23	96	293
39	"		.50	19	32	20	Rock	Dec.	12	96	369
40	Power		3	19	34	19	Keya Paha.	Dec.	31	89	608a
41	Irrigation		1	19	34	19	Keya Paha.	June	30	95	608a
42	"		.21	8	33	24	Keya Paha.	Sept.	1	88	615
43	"		.03	16	33	22	Keya Paha.	June	30	94	618
44	"		.10	28	33	22	Keya Paha.	Aug.	15	94	539

*Pending

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Cypriot Creek..	Cypriot, F. A	Lutes.....	Last Chance.....	1
Deer Creek....	Rush Cr. Stock Co..	Rushville ..	Deer Creek Ditch ..	2
Eagle Creek....	Alfs, J. D	Ray		3
Eagle Creek....	Alfs, J. D	Ray		4
Eagle Creek....	Bokhof, W	Atkinson ..	Bokhof Ditch.....	5
Eagle Creek....	Becker, S	Atkinson ..	Sam'l Becker Ditch..	6
Eagle Creek....	Robertson, J. A ..	Atkinson ..	Eagle Valley Ditch ..	7
Eagle Creek....	Mann, J	O'Neill	John Mann's Ditch..	8
Eagle Creek....	Bruder, J	Atkinson ..	Bruder Canal.....	9
Eagle Cr., N.Br	Tesch, F	Ray	Tesch Ditch.....	10
Fairfield Creek	Kuhre, Wm. M.....	Norden.....	Kuhre's Pond	11
Gordon Creek..	Beer, Geo	Valentine ..	Beer Canal No. 1....	12
Gordon Creek..	Beer, Geo	Valentine ..	Beer Canal No. 2....	13
Hay Creek.....	Balch, F. C	Chadron ..	Balch Ditch	14
Holt Creek	Schoetger, F. J ..	Enterprise..	Schoetger Ditch ..	15
Holt Creek	Carnahan & Webster	Enterprise..	Carnahan & Webster C	16
Holt C., E. Br.	Akers, J. W	Springview..	Akers Ditch.....	17
Horse Head C.	Bruce, A	Penbrook ..	Bruce Ditch.....	18
Horse Shoe L.	Hortz, A	Gordon	Hortz Canal	19
Huggins Creek.	Soper, H. K	Enterprise..	Soper Ditch	20
Jewett Creek..	Jewett, C. P	Meadville ..	B. L. Ditch	21
Jordon Creek..	Thiede, F. L	Enterprise..	Thiede Ditch	22
Jordon Creek..	Lewis, Frank A ..	Enterprise..	F. A. Lewis Ditch ..	23
Keya Paha R..	Yocum, J. C	Butte	Yocum's Ditch	24
Keya Paha R..	Lewis, S. O	Lutes.....	Keya Paha River ..	25
			Water Elevator	25
Keya Paha R..	Donason, J	Mills	North Side Ditch ..	26
Keya Paha R..	Anderson, H. D. & Co.	McLean	Keya Paha Canal	27
Lewis Spring..	Lewis, R	Lutes.....	Lewis Ditch	28
Middle C., E. Br	McGuire, M. W ..	Norden.....	McGuire Ditch	29
Middle C., W. Br	Allen, M. M	Norden.....	Allen Ditch.....	30
Minnachaduza'	Bristol, S. D	Valentine ..	Bristol Irrigating D.	31
Minnachaduz'	Gilman, S. F	Davenport, Ia		32
Newman Creek	Newman, Philo ..	Norden.....	Newman Ditch	33
Niobrara River	Richards, B	Chadron ..	Lakotah Ditch.....	34
Niobrara River	Bruce, A	Penbrook ..	Bruce's Mill	35
Niobrara River	McGinley, A., Sto-			
	ver, W. C	Agate	McG. & S. Lower N. D.	36
Niobrara River	Palmer & Co	Marsland ..	Pioneer Ditches	37
Niobrara River	McGinley, A., Sto-			
	ver, W. C	Agate	McG. & S. Lower S. D.	38
Niobrara River	Cook, Jas. H	Agate		39
Niobrara River	Seymour, W. W ..			
	Bigelow, W. A ..	Harrison....	Bigelow & Seymour..	40
Niobrara River	Harris, O., Neece,			
	R	Agate	Harris & Neece Ditch	41
Niobrara River	Palmer & Co	Marsland ..	Pioneer Ditches	42
Niobrara River	Roll Mill Co	Marsland ..	Roll Mill	43

STREAMS IN DIVISION 2-C.—Continued.

	Use to Which Ap.	Second feet App. for.	Second feet Granted.	Location of Head-Gate.				Date of Priority.			Docket No.	App. No.
				S	T	R	County.	M	D	Y		
1	Irrigation ..	8	.10	3	34	19	Keya Paha.	May..	7	96	295	
2	"			32	30	42	Sheridan...	Aug.	5	99	*519	
3	"		.43	2	30	13	Holt.....	Sept.	11	94	276	
4	Power		1.	2	30	13	Holt.....	Sept.	11	94	276	
5	Irrigation ..		2.86	6	30	13	Holt.....	Sept.	18	94	275	
6	"		1.14	8	30	13	Holt.....	Nov.	30	94	274	
7	"		2.29	1	30	14	Holt.....	Mar.	15	95	280	
8	"		.71	17	30	13	Holt.....	June.	19	95	37	
9	"		.29	19	30	13	Holt.....	Feb.	6	95	227	
10	"		.07	27	31	13	Holt.....	Sept.	18	95	162	
11	Power ..	25.		31	33	23	Brown ..	Sept.	1	93	612	
12	Irrigation ..		.71	2	31	29	Cherry ..	Feb.	27	95	497	
13	"		1.	1	31	29	Cherry ..	Feb.	27	99	498	
14	"		1.	11	32	40	Cherry ..	Aug.	10	95	110	
15	"		.14	32	35	20	Keya Paha.	Feb.	23	95	595	
16	"		.14	19	35	20	Keya Paha.	Aug.	15	95	116	
17	"		.14	1	34	21	Keya Paha.	Aug.	1	94	611	
18	"		.04	16	33	24	Keya Paha.	Sept.	7	95	149	
19	"		1.	11	34	40	Cherry ..	Apr.	13	96	287	
20	"		.14	21	35	20	Keya Paha.	Nov.	6	94	592	
21	"		.71	5	32	21	Keya Paha.	Oct.	23	94	590	
22	"		.14	34	35	20	Keya Paha.	June	25	97	395	
23	"		1.	23	35	20	Keya Paha.	June	28	99	514	
24	"		1.14	2	34	15	Boyd.....	Sept.	7	94	573	
25	Irrigation..		4.29	19	35	19	Keya Paha.	Aug.	23	95	127	
26	"		7.	35	35	19	Keya Paha.	Oct.	26	95	166	
27	"		5.	3	34	18	Keya Paha.	Oct.	26	95	167	
28	"		.14	29	35	19	Keya Paha.	Aug.	30	95	139	
29	"		.71	32	33	23	Keya Paha.	June.	1	84	606	
30	"		.50	29	33	23	Keya Paha.	June.	1	91	616	
31	"		1.	35	34	28	Cherry ..	July.	2	95	87	
32	Power		35.	30	34	27	Cherry ..	Sept.	12	96	359	
33	Irrigation ..		.21	17	33	24	Keya Paha.	July.	1	89	617	
34	"		7.14	1	30	57	Sioux ..	Aug.	1	83	554	
35	Power		60.	16	33	24	Keya Paha.	Apr.	1	86	610	
36	Irrigation ..		8.21	25	29	56	Sioux ..	May.	1	87	513	
37	"		7.14	31	29	50	Dawes ..	Aug.	1	87	442	
38	"		1.71	25	29	56	Keya Paha.	May.	1	90	513b	
39	"		3.54	1	28	56	Sioux ..	May.	31	91	980	
40	"		2.40	19	31	57	Keya Paha.	June.	8	91	510	
41	"		5.	3	28	55	Sioux ..	July.	1	92	517	
42	Power		10.	31	29	50	Dawes ..	Aug.	1	93	442	
43	"		35.	5	28	51	Dawes ..	Sept.	10	93	970	

†Contest Pending. *Pending.

CLAIMS AND APPLICATIONS

Stream	Name of Claimant.	Postoffice Address	Name of Ditch.	
Niobrara River	Hatch, G W, Cross, Wm. D.....	Hemingford	Meridian Ditch.....	1
"	" Palmer, L.....	Marsland...	Enterprise Ditch.....	2
"	" Furman, H. G.....	Marsland...	Furman Ditch.....	3
"	" Hughes, John.....	Marsland...	Hughes Ditch.....	4
"	" Johnson, B. F.....	Harrison...	Johnson Ditch.....	5
"	" McLaughlin, A. H.....	Marsland...	McLaughlin Ditch...	6
"	" McMannis, J., Neeland, J. F.....	Hemingford	McMannis & Neeland Ditch.....	7
"	" Fienkin, C.....	Gr'nd R'pds		8
"	" McCully, S. J.....	Carns.....	McCully Ditch.....	9
"	" Wilson, J. A.....	Springview.	Wilson Canal.....	10
"	" Mirage Irr. Co.....	Grayson...	Mirage Canal.....	11
"	" Lichte, H.....	Dunlap....	Lichte Irr. Ditch....	12
"	" Warneke, H.....	Harrison...	Warneke's Ditch....	13
"	" McGinley & Stover.	Agate.....	McG & S. Upper Dit.	14
"	" Harris, Octave.....	Agate.....	LaBelle Ditch.....	15
"	" Snow, L.....	Marsland...	Snow Ditch.....	16
"	" Earnest, J. W.....	Scotts Bluff.	Earnest Ditch No. 1..	17
"	" Vincent, D. C.....	Marsland...	Excelsior Ditch.....	18
"	" Cornell, C. H.....	Valentine...	Chas. H. Cornell Can	19
"	" Bourrett, W.....	Harrison...	Bourrett Ditch.....	20
"	" Bourrett, P.....	Harrison...	Bourrett Ditch Sr....	21
"	" Hughes, J.....	Marsland...	Hughes Ditch.....	22
"	" Harris, O.....	Agate.....	LaBelle Ditch.....	23
"	" Ussher, H. C.....	Hay Springs	Ussher Canal.....	24
"	" Moore, B. F.....	Marsland...	Moore Irr Ditch.....	25
"	" McConaughy, A. N.....	Mirage.....	McCon Ditch No. 10	26
"	" McGuire, M.....	Norden....	McConaha Canal....	27
"	" Peters, H. A., Waterman, C. A., and Brown, J. S.....	Hay Springs	Hay Springs Irr Can.	28
"	" Irion Bros.....	Marsland...	Irion Irr Ditch.....	29
"	" Mettlen, J., Moor, J., Irion, E.....	Marsland...	Mettlen.....	30
"	" Vincent, D. C.....	Marsland...	Excelsior.....	31
"	" Rickman, A. L. and Wentworth, A. A.....	Springview.	Rick. & Went. Ditch.	32
"	" McMannis & Neel'd	Hemingford	McM. & Neeland Dit	33
"	" Armstrong, T. S.....	Butte.....	Armstrong Canal....	34
"	" Cornell, C. H.....	Valentine...		35
"	" Hatch & Cross.....	Hemingford	Meridian Ditch.....	36
"	" Cornell, Chas. H.....	Valentine...		37
"	" Neeland, J. F.....	Hemingford	Neeland.....	38
"	" Hough, W. H.....	Harrison...	Hough Ditch.....	39
"	" Bourrett, J. F.....	Harrison...	Bourrett's Ditch....	40
"	" Bourrett, J. S.....	Harrison...	J. S. Bourrett Ditch.	41
"	" Hughes, John.....	Marsland...	Hughes D. Extension	42
"	" Montague, Jas.....	Dunlap....	Montague Ditch.....	43

BY STREAMS IN DIVISION 2-C.—Continued.

	Use to Which Ap.	Second Feet App. for.	Second Feet Granted.	Location of Head-gate.			Date of Priority.			Docket No.	App. No.	
				S.	T.	R.	County.	M.	D.			Y.
1	Irrigation..		.57	25	29	50	Dawes.....	Jan.	10	94	459	.....
2	"		5.71	28	29	50	"	Jan.	27	94	461	.....
3	"		3.64	29	29	50	"	Feb.	2	94	462	.....
4	"	29		1	28	52	"	.....	.....	.....	*987	.....
5	"		2.86	36	31	57	Sioux.....	May.	1	94	511	.....
6	"		7.14	9	28	52	Box Butte..	June.	1	94	566	.....
7	"		.86	29	29	49	Dawes.....	June.	15	94	463	.....
8	"		1	12	33	16	Boyd.....	Oct.	1	94	575	.....
9	"		8.57	25	32	20	Keya Paha..	Oct.	7	94	583	.....
10	"		5.71	18	32	21	"	Oct.	18	94	591	.....
11	"		150	26	29	48	Dawes.....	Nov.	28	94	474	.....
12	"		1.43	27	29	48	"	Jan.	24	95	479	.....
13	"		1.57	37	31	57	Sioux.....	Feb.	13	95	505	.....
14	"		2.86	23	29	56	"	Feb.	25	95	521	.....
15	"		2	6	28	54	"	Mar.	12	95	518	.....
16	"		2.86	35	29	51	Dawes.....	Mar.	26	95	485	.....
17	"		2.86	9	29	56	Sioux.....	May.	1	95	514	.....
18	"		2.86	10	28	52	Box Butte..	May.	15	95	568	.....
19	Power.....	1209		8	33	27	Cherry.....	.....	.....	.....	*407	.....
20	Irrigation..		2.29	33	30	56	Sioux.....	June.	8	95		4
21	"		1.43	29	30	56	"	June.	10	95		5
22	"		3.29	1	28	52	Box Butte..	June.	26	95		*53
23	"		4.43	6	28	54	Sioux.....	July.	3	95		60
24	"		1.86	19	29	46	Sheridan...	July.	17	95		82
25	"		14	9	28	53	Sioux.....	July.	22	95		88
26	"		3.43	26	29	47	Dawes.....	Aug.	30	95		137
27	"		8	26	33	24	Keya Paha..	Aug.	30	95		138
28	"		14.29	29	29	47	Dawes.....	Sep.	27	95		173
29	"		5	1	28	54	Sioux.....	Mar.	29	96		257
30	"		10	4	28	54	"	Apr.	27	96		292
31	"		1	10	28	52	Box Butte..	May.	29	96		344
32	"		2	22	32	20	Keya Paha..	June.	29	96		321
33	"		2.29	29	29	49	Dawes.....	April.	9	98		448
34	Power.....	150		9	33	13	Boyd.....	May.	14	98		452
35	Irrigation..			22	34	27	Cherry.....	July.	14	98		*460
36	Irrigation..		5.14	25	29	50	Dawes.....	Aug.	29	98		469
37	Power.....	940		27	34	27	Cherry.....	May.	20	99		*548
38	Irrigation..		4	31	29	48	Dawes.....	Dec.	11	99		529
39	"		1	32	30	56	Sioux.....	Jan.	22	00		538
40	"		1	29	30	56	"	Mar.	5	00		542
41	"		2	19	30	56	"	Mar.	17	00		546
42	"	10		1	28	52	Dawes.....	Apr.	9	00		*556
43	"		1	27	29	48	"	Sep.	27	00		575

*Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Pine Creek....	Clark, J.....	Rushville ..	Pine Creek Roll Mills	1
Plum Creek...	Plum Creek Canal & Irrigation Co.....	Johnstown		2
" "	Wilbert, R.....	Ainsworth	Wilbert Ditch	3
" "	Hoefs, Gus.....	Johnstown	Plum Creek Roll Mills	4
Pole Creek....	Julian, A. R.....	Chadron	Julian Ditch	5
Rickman Creek	Byington, W. W....	Springview.	Byington Ditch	6
Red Bird Creek	Breman, J. A.....	O'Neill.....	Breman Irr. Ditch...	7
Rock Creek....	Rock Creek Irrigation & Power Co.	Mariaville..	Copeland Ditch.....	8
" "	Eastlick, B. J.....	Carns	Necessity Ditch	9
" "	Wile, H.....	Mariaville..	Wiles Ditch	10
Rock Sp'g's Cr	Van Koten, J.....	Springview.	Van Koten Ditch	11
" " "	Moore, W. S.....	Meadville..	Moore's Ditch.....	12
" " "	Wicker, S.....	Springview.	Wicker Ditch	13
" " "	Patterson, C. C....	Springview.	Patterson Ditch.....	14
Sandy Creek..	Morrow, J. C.....	Atkinson...	Sand Creek Ditch....	15
" "	Wheeler, T.....	Atkinson...	Wheeler Ditch No. 3.	16
Schlegel Creek	Ferritt, John.....	Valentine ..	South Side Ditch....	17
Shobe Branch.	Lamb, A. J.....	Rochester ..		18
Spring Creek..	Townsend, M. M....	Springview.	Townsend Ditch.....	19
" "	Opperman, H. M....	Springview.	Opperman Ditch No. 2	20
" "	Kuskie, A. K.....	Sparks	Garden Ditch	21
Spring Branch.	Wheeler, T.....	Atkinson...	Wheeler Ditch No. 1.	22
" "	Wheeler, T.....	Atkinson...	Wheeler Ditch No. 2.	23
Stream.....	Grant, C. G.....	Winfield ..	Grant Ditch.....	24
"	Opperman, L. B....	Springview.	Opperman Ditch.....	25
"	Conger, C. K.....	Norden.....	Conger Ditch.....	26
Snider Creek..	Pickler, W. S.....	Springview.	Olds Ditch.....	27
Spotted Tail Cr	Rhodes, J. G.....	McClellan ..	Spotted Tail Ditch...	28
Sweeney Can'n	Hornback, J.....	Sparks	Canyon Canal.....	29
Turkey Creek.	La Rue, Chas.....	Norden.....	Turkey Creek Ditch..	30
Verdigris Cr..	Hanson, J. W.....	Orchard....	Drayton Irr. Ditch...	31
" "	Harvey, A.....	Sherman		32
Whistle Creek.	Miller, W. K.....	Alliance	Home Ditch.....	33
" "	Irion, E.....	Lawn	Whistle Creek Ditch..	34
Wooden Sp. Br	Rhodes, F. J.....	Springview.	Rhodes Ditch.....	35
" "	Rhodes, F. J.....	Springview.	Rhodes Ditch.....	36
Wyman Creek.	McCulley, R. A....	Carns	McCully Ditch.....	37
" "	Horton, I.....	Carns	Horton Ditch.....	38
Young Creek:	Lamb, A. J.....	Rochester ..	Harvey & Lamb Ditch	39

STREAMS IN DIVISION 2-C.—Concluded.

	Use to which Applied.	Second Feet Granted.	Location of Head-gate.				Date of Priority.			Docket No.	App. No.
			S	T	R	County.	M	D	Y		
1	Power	32	33	30	44	Sheridan ...	June	5	93	415	.....
2	Irrigation	26	4	29	24	Brown	Dec.	18	94	405	.....
3	.....	.43	35	32	23	"	May	5	96		329
4	Power	20.9	11	30	24	"	Oct.	29	03		582
5	Irrigation	1	28	32	40	Cherry	Aug.	19	95		120
6	.....	1	22	32	20	Keya Paha..	May	19	91	582	.....
7	" .....	.43	26	30	11	Holt	Apr.	8	96		284
8	Irrigation & power	6.43	33	32	18	Rock	Jan.	8	95	394	.....
9	Irrigation .....	.35	29	32	18	"	Jan.	17	95	395	.....
10	" .....	.86	9	31	18	"	Apr.	3	95	397	.....
11	" .....	.07	25	33	22	Keya Paha..	Jan.	1	95	619	.....
12	"	1.43	12	32	22	"	June	30	97	593	.....
13	" .....	.07	24	33	22	"	June	2	98		346
14	" .....	.14	31	33	21	"	June	12	96		347
15	"	6	10	31	15	Holt	July	5	95		61
16	"	1.14	3	31	15	"	June	24	96		315
17	" .....	.29	24	33	28	"	Jan.	9	99		490
18	" .....	.57	30	33	11	Boyd	July	6	96		322
19	"	1.14	35	34	19	Keya Paha..	Mar.	28	96		274
20	" .....	.57	29	32	20	Brown	June	10	96		310
21	" .....	.08	27	34	25	Cherry	Mar.	30	00		555
22	" .....	.50	4	31	15	Holt	June	24	96		316
23	"	1	34	32	15	"	June	24	96		317
24	" .....	.14	4	31	20	Rock	Jan.	1	95	400	.....
25	" .....	.29	19	32	20	Keya Paha..	Feb.	10	96		254
26	" .....	.14	5	33	24	"	Sept.	16	95		158
27	" .....	.01	31	33	19	"	May	1	94	607	.....
28	" .....	.14	4	34	17	"	May	17	95	601	.....
29	" .....	.21	29	34	25	Cherry	Aug.	10	93	414	.....
30	" .....	.50	35	33	23	Keya Paha..	Feb.	9	90		539
31	"	2.86	8	28	8	Antelope ...	Aug.	11	94	248	.....
32	" .....	.14	22	28	8	"	Aug.	9	95		106
33	" .....	.86	13	28	54	Sioux	June	8	95		65
34	"	1.71	12	28	54	"	June	28	95		58
35	" .....	.21	25	35	20	Keya Paha..	June	19	99		512
36	" .....	.14	25	35	20	"	Mar.	12	90		544
37	" .....	.80	19	32	19	"	June	10	91	604	.....
38	" .....	.14	7	32	19	"	June	5	94	587	.....
39	" .....	.71	32	33	11	Boyd	June	13	96		311

CLAIMS AND APPLICATIONS

Stream.	Name of Claimant.	Postoffice 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. Pl.	3
Blue R., W Fk.	Kersenbrock, J. H..	Columbus..	J. H. Kersenbrock Pr Plant.....	4
Lincoln Creek.	Smith, Jennie A. . . .	York	Private Ditch.....	5
Turkey Creek..	Lane, J. K.	Ple'sant Hill	.....	6
Turkey Creek..	Lane, J. K.	Ple'sant Hill	Lane's Model I Ditch	7
Turkey Creek..	Lakin, W. H.	Dorchester..	.....	8
Turkey Creek..	William, J.	Ple'sant Hill	.....	9

BY STREAMS IN DIVISION 1-D.

Use to Which Applied.	Second ft. granted.	Location of Head-gate.				Date of Priority.			Docket No.	App. No.
		S.	T.	R.	County.	M.	D.	Y.		
1 Domestic & Irrigation.	1	36	4	6-E	Gage.....	May..	20	98	.....	455
2 Power	40	7	10	2-W	York.....	Nov..	1	78	963	.....
3 Irrigation.....	7.14	32	9	3-E	Seward...	Dec..	20	95	.....	211
4 Power	105	32	9	3-E	Seward...	Dec..	20	95	.....	214
5 Irrigation.....	1	21	12	1-W	York.....	Mar..	2	96	.....	269
6 Power .....	.....	18	7	3-E	Saline.....	.....	.....	.....	*990	.....
7 Irrigation.	1.21	4	7	3-E	Saline.....	July	16	95	.....	81
8 Irrigation.....	20	34	8	2-E	Saline.....	Jan..	27	96	.....	218
9 Irrigation.....	2.29	14	7	3-E	Saline.....	Mar..	25	96	.....	271

*Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Ash Creek.....	Compton, W. L.....	Whitney.....	.....	1
Ash Creek.....	Connell, J.....	Whitney.....	Cornell Ditch.....	2
Ash Creek.....	Cripps, Fred W.....	Whitney.....	Cripps ".....	3
Ash Cr., E. Br.	Tomlin, H. B.....	Whitney.....	Ox Yoke ".....	4
Ash Cr., E. Br.	Aird, Ida L.....	Crawford.....	Barron ".....	5
Ash Cr., E. Br.	Sheldon, Clar'nce A	Crawford.....	Sheldon ".....	6
Ash Cr., E. Br.	Todd, Frank P.....	Crawford.....	Todd ".....	7
Ash Cr., W. Br.	Vetter, A.....	Crawford.....	Mace ".....	8
Ash Cr., W. Br.	Broadhurst, N. et al.	Whitney.....	West Ash Creek Irri. Co. Ditch.....	9
Ash Cr., W Br.	Woodard, S. C.....	.....	Woodard Ditch.....	10
Beaver Creek..	Braddock, Wm.....	Adaton.....	Braddock ".....	11
Beaver Creek..	Braddock, J. F.....	Chadron.....	.....	12
Beaver Creek..	Stastney, F.....	Chadron.....	Stastney Ditch.....	13
Beaver Creek..	Novak, F.....	Hay Springs	Novak's Canal.....	14
Beaver Creek.1	Serboasek, A.....	Hay Spring-	Serboousek Canal.....	15
Beaver Creek..	Hyser, F. B.....	Adaton.....	Hyser Ditch.....	16
Beaver Creek..	Dietel, J. M.....	Adaton.....	Dietel Canal.....	17
Beaver Creek..	Cilek, Frank.....	Adaton.....	Cilek Ditch.....	18
Bordeaux Cr..	Lockett, T. E.....	Chadron.....	Lockett ".....	19
Bordeaux Cr..	Richards, H. B. J..	Chadron.....	Richards Ditch.....	20
Bordeaux Cr..	Bryant, S. A.....	Chadron.....	Bryant's Irr. Ditch.....	21
Bordeaux Cr..	Hall, O. W.....	Chadron.....	Hall's Ditch.....	22
Bordeaux Cr..	Richards, H. B. J..	Chadron.....	Richards Ditch.....	23
Bordeaux Cr..	Mann, Wm.....	Chadron.....	Menn's ".....	24
Bordeaux Cr..	Adams, S. L.....	Chadron.....	Adams ".....	25
Bordeaux Cr..	County of Dawes...	Chadron.....	County ".....	26
Bordeaux Cr..	Bacon, J. D.....	Chadron.....	Bacon ".....	27
Bordeaux Cr..	Morrissey, M.....	Chadron.....	Morrissey Canal.....	28
Bordeaux Cr..	O'Donnell, J.....	Chadron.....	O'Donnell's Ditch.....	29
Bordeaux Cr..	Nelson, P. B.....	Chadron.....	Nelson's Ditch.....	30
Bordeaux Cr..	Nelson, P. B.....	Chadron.....	Nelson's Irr. Plant.....	31
Bordeaux Cr..	Burns, Thomas C...	Chadron.....	T. C. Burns Ditch.....	32
Bordeaux, Lit.	Hartzell, S., Hart- zell, C.....	Chadron.....	Hartzell Canal.....	33
Bordeaux, Lit.	Butler, J. A.....	Chadron.....	Jno. A. Butler Ditch.....	34
Bordeaux, Lit.	Frady, C. H.....	Chadron.....	C. H. Frady Ditch.....	35
Bull Creek....	Johnson, W. S.....	Glen.....	Johnson Ditch No. 1.....	36
Cedar Canyon.	Golden, T. F.....	Adelia.....	Cedar Canyon Ditch.....	37
Chadron Creek	Gallup, W. S.....	Chadron.....	Gallup's Ditch.....	38
Chadron Creek	Wilson, H. M.....	Chadron.....	Tug Wilson Ditch.....	39
Chadron Creek	Wilson, W. W.....	Chadron.....	Wallace Wilson Ditch.....	40
Chadron Creek	Record, A. A.....	Hyannis.....	Half Diamond E. D.....	41
Chadron Creek	Dorrington, F. M...	Alliance.....	Dorrington Ditch.....	42
Chadron Creek	Mann, Thos.....	Chadron.....	Mann's Ditch.....	43
Chadron Creek	Frick, L.....	Chadron.....	.....	44
Charcoal Creek	Weber, M. J.....	Glen.....	Klein Ditch.....	45
Cottonwood Cr	Rasmussen, N.....	Whitney.....	Rasmussen Ditch.....	46
Cottonwood Cr	Rasmussen, N.....	Whitney.....	.....	47

STREAMS IN DIVISION 2-D.

	Use to Which Ap.	Second feet Applied for.	Second feet Granted.	Location of Head-gate.			Date of Priority.			Docket No.	App. No.	
				S	T	R	County.	M	D			Y
1	Irrigation		.03	12	32	51	Dawes	July	15	93	455	
2	"		.86	6	32	50	"	June	17	98		459
3	"		1	13	32	51	"	Jan.	10	99		491
4	"		2.86	31	32	50	"	May	31	80		447
5	"		1.14	32	32	50	"	July	1	88		438
6	"		1.43	30	32	50	"	Jan.	26	99		493
7	"		1	5	31	50	"	Sept.	12	99		520
8	"		1	2	31	51	"	July	31	84		428
9	"		1.62	36	32	51	"	July	4	93		452
10	"		.14	25	32	51	"	Feb.	3	98		434
11	"		.36	18	34	46	Sheridan	Apr.	15	95		423
12	"		.04	1	34	47	Dawes	Apr.	15	95		974
13	"		.26	4	33	46	Sheridan	July	30	95		330
14	"		1	9	33	46	"	May	7	96		331
15	"		.14	28	33	46	"	May	7	96		332
16	"		.33	20	34	46	"	May	14	96		303
17	"		.29	32	34	46	"	Apr.	11	98		447
18	"		.36	4	33	46	"	June	19	99		513
19	"		.07	11	32	48	Dawes	June	30	86		494
20	"		.14	36	33	48	"	Sept.	10	90		430
21	"		.29	14	33	48	"	Feb.	4	91		434
22	"		.07	15	33	48	"	Mar.	1	91		437
23	"		.36	36	33	48	"	Sept.	7	92		446
24	"		.23	25	33	48	"	Dec.	31	92		975
25	"		.14	2	32	48	"	Mar.	5	93		450
26	"		.14	23	33	48	"	July	31	93		983
27	"		.21	21	34	48	"	July	1	94		445
28	"		.08	15	33	48	"	Aug.	15	94		491
29	"		.36	9	34	48	"	Jan.	17	98		432
30	"		.36	14	33	48	"	Oct.	19	98		478
31	"		.36	14	33	48	"	Jan.	28	99		494
32	"	20		36	33	48	"	Nov.	5	00		*584
33	"		.57	13	33	48	"	June	1	93		448
34	"		.11	33	33	47	"	June	1	94		443
35	Ir. and Fish Irrigation	1		30	33	47	"				*1009	
36	"		.29	7	30	53	Sioux	Mar.	13	95		519
37	"		.43	16	33	53	"	Mar.	1	97		380
38	"		.08	15	33	49	Dawes	Dec.	20	90		426
39	"		.20	12	32	49	"	July	13	93		453
40	"		.07	12	32	49	"	July	14	93		454
41	"		.57	1	32	49	"	June	17	94		468
42	"	10		36	33	49	"	July	13	95		*75
43	"		.43	24	32	49	"	May	11	96		299
44	"		.36	31	32	48	"	July	1	97		396
45	"		.11	33	31	53	Sioux	Aug.	1	82		982
46	"		2.29	10	33	52	Dawes	Mar.	8	98		444
47	"		18	10	32	52	"	Dec.	26	99		528

* Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Rav. trib. C. C.	Carlson, A. A.	Crawford..	Carlson Ditch.....	1
Cotton'd Little.	Stuart, Jno.	Crawford..	Thos. Stewart Ditch..	2
Cotton'd Little.	Stuart, Jas. G.			
	Stuart, Jno. T.	Crawford..	Stuart Bros. Ditch....	3
Cotton'd Little.	Kusel, Wm. T.		Hooper Kusel Ditch.....	4
Cotton'd Little.	Simmons, Raner....	Whitney	Simmons Res. Ditch..	5
Cotton'd Little.	Kusel, Wm. T.	Whitney	Kusel Ditch No. 2.....	6
Dead Horse Cr.	Kemery, J.	Chadron ...		7
Dead Horse Cr.	Woodruff, F. B.			
	Woodruff, E. F.	Chadron ...	Flag Butte Ditch.....	8
Dead Horse Cr.	Goff, L. L.	Chadron ...	Goff Ditch.....	9
Dead Horse Cr.	Harley, J.	Chadron		10
Deadman Cr. . .	Stewart, H. G.	Sunflower .		11
Deadman Cr. . .	Phillips, W. S.	Crawford..	Phillips Ditch.....	12
Deadman Cr. . .	Porter, J. E.	Crawford..	P. R. Ditch.....	13
Deadman Cr. . .	Linderman, Con... .	Crawford..	Con Linderman Ditch	14
Deep Cr.	Green, M. H.	Glen	Deep Creek Ditch....	15
Deep Cr.	Green, M. H.	Glen	Green Ditch.....	16
Dirty Cr.	Wisdom, A. O.	Crawford..	Wisdom Ditch.....	17
Dry Canyon. . .	Braddock, J. T.	Chadron ...	Braddock	18
Dry Creek.	Antram, J.	Whitney	Antram Can.....	19
Hooker Creek..	Vilig, Max.	Crawford..	McMannas Ditch.....	20
Halls Draw....	Geiser, Robert.	Ardmore...	Geiser Dam.....	21
Indian Creek..	Seegrist, I.	Whitney ..		22
Indian Creek..	Flood, M. F.	Whitney ..	Flood Ditch.....	23
Indian Creek..	Norman, Neils.	Whitney	Norman Ditch.....	24
Indian Creek..	Boyer, F.	Whitney	Boyer Ditch.....	25
Indian Cr. trib.	Kaiser, O. A.	Coxville....	Kaiser Ditch.....	26
Kyle Creek. . .	Colville, David.	Glen	Kyle Creek Ditch....	27
Larabee Creek.	Davis, W. R.	Rushville..	Davis Ditch.....	28
Long Br. Creek	O'Connell Dennis. . .	Ardmore...	O'Connell Ditch.....	29
Peterson's Dr. .	Meier, August.	Ardmore...	Meier Dam.....	30
Sand Creek. . .	Bendix, F.	Crawford..	Benedix Irr Ditch....	31
Sand Creek. . .	Carlson, A. A.	Crawford..	Carlson Ditch.....	32
Sand Creek. . .	Balsler & Thomas. . .	Whitney	Bal & Thos. Ditch....	33
Sand Cr. trib of	Jordan, M. D.	Adelia.	Jordan Ditch.....	34
Sheridan Creek	Gitchell, G. C.	Pine Ridge..	Gitchell Ditch.....	35
Soldier Creek..	Rodgers, J. J.	Crawford..	Rodgers Ditch.....	36
Spring Branch.				
(Trib White R.)	Tucker, J. S.	Glen	Tucker's Ditch.....	37
Spring Creek..				
Tr of Lt Cot'd.	Pinney, B. G.	Crawford..	Spring Creek Ditch..	38
Tr of Lt Cot'd.	Demmon, O. J.			
	Balsler, H.	Crawford..	Spring Cr. Ditch No 1	39
Tr of Lt Cot'd.	Simmons, R.	Whitney	Simmons Ditch.....	40
Springs Trib to				41
Dead Horse Cr.	Goff, T. L.	Chadron		
Squaw Creek. .	Daniels & Stetson..	Crawford....	Dan'l's & Stet. Ditch..	42
Squaw Creek. .	Cooper, Wm.	Crawford....	Cooper Ditch.....	43

STREAMS IN DIVISION 2-D—Continued.

	Use To which Applied.	Second feet Applied for.	Second feet Granted.	Location of Head-gate.			Date of Priority.		Docket No.	App. No.	
				S.	T.	R.	County.	M.			D. Y.
1	Irrigation	.....	1.	21	33	52	Dawes.....	Sept.	20 97	.....	409
2	"	.....	.86	8	32	52	"	Dec.	21 90	425	.....
3	"	.....	2.86	8	32	52	"	June	10 95	.....	8
4	"	.....	1.71	9	32	51	"	Oct.	15 95	.....	183
5	"	.....	1.14	9	32	51	"	Sept.	12 99	.....	521
6	"	.....	.8	8	32	51	"	May	19 00	.....	*560
7	"	.....	.01	32	32	49	"	Sept.	1 90	493	.....
8	"	.....	.03	32	32	49	"	April	10 91	427	.....
9	"	.....	.17	9	31	49	"	Aug.	27 93	457	.....
10	"	.....	.01	32	32	49	"	Aug.	1 94	488	.....
11	"	.....	.57	19	30	52	"	May	8 96	.....	334
12	"	.....	.21	18	30	52	"	Mar.	19 00	.....	547
13	"	.....	1.43	1	30	53	"	May	29 00	.....	562
14	"	.....	.29	18	30	52	"	June	11 00	.....	564
15	"	.....	.06	9	30	53	Sioux.....	May	1 87	525	.....
16	"	.....	.29	9	30	53	"	Oct.	5 95	.....	203
17	"	.....	.29	7	33	52	Dawes.....	Feb.	3 98	.....	435
18	"	.....	.....	12	34	47	"	Aug.	15 98	.....	*463
19	"	.....	.71	1	33	52	"	Sept.	11 95	.....	155
20	"	.....	1.	7	31	51	"	Dec.	31 89	492	.....
21	"	.....	1.71	33	35	54	Sioux.....	Nov.	5 00	.....	583
22	"	.....	.03	3	31	50	Dawes.....	Nov.	1 93	489	.....
23	"	.....	.07	33	32	50	"	Feb.	13 94	460	.....
24	"	.....	2.	9	32	50	"	April	6 00	.....	554
25	"	.....	.86	28	32	50	"	April	30 00	.....	559
26	"	.....	.57	28	32	50	"	Feb.	15 00	.....	540
27	"	.....	.57	3	30	54	Sioux.....	June	30 82	522	.....
28	"	.....	.43	16	34	44	Sheridan...	Sept.	29 96	.....	361
29	"	.....	.2	22	35	54	Sioux.....	Nov.	10 00	.....	587
30	"	.....	2.	24	35	55	"	Nov.	5 00	.....	585
31	"	.....	.57	35	33	53	"	Nov.	19 95	.....	189
32	"	.....	1.	32	33	52	Dawes.....	Feb.	28 98	.....	440
33	"	.....	15.	3	32	52	"	Jan.	10 00	.....	*531
34	"	.....	.50	31	33	53	Sioux.....	April	2 00	.....	551
35	"	.....	.07	27	34	45	Sheridan....	Aug.	1 94	418	.....
36	"	.....	.14	5	31	52	Sioux.....	April	30 83	.....	546
37	"	.....	.17	34	31	54	"	June	1 83	557	.....
38	"	.....	.86	13	32	52	Dawes.....	May	10 94	466	.....
39	"	.....	2.	7	32	51	"	D. c.	1 94	473	.....
40	"	.....	.43	8	32	51	"	Jan.	3 98	.....	426
41	"	.....	.14	30	32	49	"	April	2 91	441	.....
42	"	.....	1.	19	31	51	Dawes.....	June	17 95	.....	27
43	"	.....	2.29	36	32	52	"	May	8 96	.....	333

*Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant	Postoffice Address.	Name of Ditch.	
Squaw Creek..	Duncan, G. W.....	Crawford ..	Duncan Irr.Ditch....	1
Squaw Creek..	Barton, Albert G....	Crawford ..	Barton Ditch.....	2
Squaw W. Br..	Detrick, J. L.....	Crawford ..	Dietrick's Ditch....	3
Trunk Butte C.	Smock, M.....	Whitney....	Smock's Ditch.....	4
W. Clay Creek	McFarland, F.....	Crawford ..	Frank McFarland D.	5
W. Clay Creek	Hazleton, Wm. S....	Crawford ..	Hazleton Irr. Ditch..	6
W. Clay Creek	White River Irri.Co	Crawford ..	White River Irr. D....	7
W. Clay Creek	Cooper, Wm.....	Crawford ..	Cooper Ditch.....	8
W. Clay Creek	Brockway, D. D....	Crawford ..	Brockway Irr.Ditch..	9
W. C Cr.E. Br.	Thornton, W. A....	Crawford ..	E. White Clay Ditch..	10
W. Clay Creek	Pine Ridge Ind. Ag.	Pine Ridge I. Ag.S.D.	Pine Ridge Irr. D....	11
W. Clay Creek	Ball, R. M.....	Rushville ..	Ball's Irri. Plant....	12
W. Clay Creek	Hutzell Levi.....	Rushville ..	Draper Ditch.....	13
W. Clay Creek	Hutzel, Levi.....	Rushville ..	Leach Ditch.....	14
W. Clay Creek	Hutzel, Levi.....	Rushville ..	Hammond Ditch....	15
W. Clay Creek	Hutzel, Levi.....	Rushville ..	Talbot Ditch.....	16
White River..	Jacobson, M.....	Glen	Jacobson Ditch.....	17
White River..	Hall, Leroy.....	Crawford ..	Hall's Mill.....	18
White River..	Diedrickson, N....	Glen	Diedrickson Ditch...	19
White River..	Harris & Cooper....	Crawford ..	Harris & Cooper D....	20
White River..	Harris & Cooper....	Crawford ..	Harris & Cooper D....	21
White River..	Harris & Cooper....	Crawford ..	Harris & Cooper D....	22
White River..	Rasher, C.....	Crawford ..	Rasher Ditch.....	23
White River..	Welling, N.....	Crawford ..	Welling Ditch.....	24
White River..	Carpenter, E. J & Co	Crawford ..	Carpenter Irr. Ditch.	25
White River..	White River Irr Co.	Crawford ..	White River Irr.Co.D	26
White River..	Hall, Leroy.....	Crawford ..	Hall's D.tch No. 2....	27
White River..	Crawford Co.....	Crawford ..	Crawford Citizens, C.	28
White River..	Swatz, E.....	Harrison ..	Hughson Ditch.....	29
White River..	Butterworth, J....	Crawford ..	Butterworth Ditch...	30
White River..	Force, F.....	Harrison ..	Force's Ditch.....	31
White River..	Mason, J.....	Glen	Mason Ditch.....	32
White River..	Lewis, L. C.....	Harrison ..	Lewis Ditch.....	33
White River..	Jones, E. B.....	Chadron....	Edgar B. Jones' D....	34
White River..	Schwabe, Lena....	Chadron....	Schwabe Ditch.....	35
White River..	Wilkinson, T.....	Crawford ..	Wilkinson Ditch....	36
White River..	Stewart, A.....	Whitney....	Sandy Stewart Ditch.	37
White River..	Thompson, H.....	Crawford ..	Rasher Ditch.....	38
White River..	Schmelzle, W.....	Crawford ..	Zuen & Schmelzle D.	39
White River..	Mecham, Garfield & Canfield	Whitney....	Mecham, Garfield & Canfield Ditch.....	40
White River..	Schaffer & Blust ..	Whitney....	Schaffer & Blust D....	41
White River..	Rasher, Frank.....	Crawford ..	Frank Rasher Ditch..	42
White River..	Roby, I. M.....	Crawford ..	Roby Ditch.....	43
White River..	Carlson, John.....	Whitney....	Carlson Ditch.....	44

STREAMS IN DIVISION 2-D.—Concluded.

	Use to Which Ap.	Second feet App. for.	Second feet Granted.	Location of Head g te.			Date of Priority.	Docket No.	App. No.
				S.	T.	R.				County.
1	Irrigation ..		.29	28	31	51	Dawes	Sept. 6 98	465
2	"		.43	20	31	51	Dawes	April 2 00	552
3	"		.29	32	31	51	Dawes	April 8 97	382
4	"		.07	26	32	50	Dawes	June.. 28 95	465
5	"		1.64	35	32	52	Dawes	May.. 18 91	960
6	"		.57	13	31	52	Dawes	Dec.. 8 94	475
7	"		1	35	32	52	Dawes	Dec.. 31 94	477
8	"	4		2	31	2	Dawes	June 22 95	*42
9	"		1	36	31	52	Dawes	Feb.. 27 96	256
10	"		13-70	12	30	52	Dawes	Sept.. 6 97	406
11	"	4.78					Indian Res. ....	.....	*419
12	"		.50	23	33	45	Sheridan	May. 29 96	305
13	"		.21	13	33	45	Sheridan	May. 29 96	306a
14	"		1	12	33	45	Sheridan	May. 29 96	306b
15	"		.21	14	33	45	Sheridan	May. 29 96	306c
16	"		1.43	14	33	45	Sheridan	May. 29 96	306d
17	"		.14	32	31	53	Sioux	Oct... 1 82	561
18	Power		24.83	34	32	52	Dawes	Sept.. 10 85	†478a
19	Irrigation...		.21	1	30	54	Sioux	Sept. 1 90	562
20	"		16.78	25	32	52	Dawes	Mar... 9 94	
21	"		1.57	25	32	52	Dawes	June.. 15 94	} †464
22	"		.28	25	32	52	Dawes	Oct... 31 94	
23	"		1.14	19	32	51	Dawes	June.. 20 94	467
24	Irr. and Fish		.57	17	32	51	Dawes	July.. 13 94	469
25	Irrigation ..		2.86	1	32	51	Dawes	Dec.. 2 9	†487
26	Irr. & Pow...		8.71	35	32	52	Dawes	Dec.. 31 94	†477
27	Irrigation...		21.04	34	32	52	Dawes	Jan.. 10 95	†478c
28	"		58.00	23	31	53	Sioux	Feb.. 13 95	} †501
29	"		.07	26	31	55	Sioux	Mar.. 15 95	
30	"		.07	3	31	52	Dawes	May. 7 95	490
31	"		.03	31	31	54	Sioux	June 25 95	50
32	"		.14	32	1	53	Sioux	May. 12 96	337
33	"		.21	27	31	55	Sioux	May. 19 96	340
34	"		1.29	18	34	48	Dawes	May. 21 97	391
35	"		1.14	25	34	49	Dawes	June 24 97	394
36	"		.86	24	32	52	Dawes	Nov.. 18 97	421
37	"	4		10	32	51	Dawes	Jan.. 8 98	427
38	"		.50	19	32	51	Dawes	May. 23 98	456
39	"		1	19	32	51	Dawes	Oct... 13 98	475
40	"		2.86	17	32	51	Dawes	Mar.. 15 99	500
41	"		3	10	32	51	Dawes	Dec.. 18 99	525
42	"		1.43	19	32	51	Dawes	Jan.. 16 00	534
43	"	.33		3	31	52	Dawes	Oct... 3 00	*579
44	"	2		6	32	50	Dawes	Nov. 26 00	*588

*Pending. †Contest Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Lodge Pole....	Bay State Live Stock Co	Kimball....	Bay State Ditch.....	1
Lodge Pole....	Adams & Tobin....	Sidney....	Adams & Tobin D....	2
Lodge Pole....	Gunderson, A.....	Potter.....	Adams & Gunderson Irr. and Mill Ditch	3
Lodge Pole....	Runge, G.....	Sidney....	Runge Ditch No. 1....	4
Lodge Pole....	Runge, G.....	Sidney....	Runge Ditch No. 2....	5
Lodge Pole....	Anderson, J.....	Sidney....	Anderson Ditch No. 1	6
Lodge Pole....	Bay State Live Stock Co	Kimball....	Circle Arrow Ditch..	7
Lodge Pole....	Urbach, M.....	Sidney....	Urbach Ditch.....	8
Lodge Pole....	Hale, L. H.....	Sidney....	.....	9
Lodge Pole....	Hale, L. H.....	Sidney....	.....	10
Lodge Pole....	Hale, L. H.....	Sidney....	.....	11
Lodge Pole....	Whitney, W. T....	Seattle, Wsh	Whitney Ditch.....	12
Lodge Pole....	Booth, Firth....	Lodge Pole.	Booth's Canal.....	13
Lodge Pole....	McAuliffe, F....	Chappell....	.....	14
Lodge Pole....	Kinney, J. J....	Kimball....	Kinney Ditch No. 2..	15
Lodge Pole....	Libby, H. H....	Lodge Pole.	Libby Ditch.....	16
Lodge Pole....	Dickinson, F....	Lodge Pole.	.....	17
Lodge Pole....	Howard, A. T....	Lodge Pole.	Howard Ditch.....	18
Lodge Pole....	Krueger, F. W....	Sidney....	Krueger Ditch No. 3.	19
Lodge Pole....	Wolfe, H. D....	Chappell....	.....	20
Lodge Pole....	Krueger, F. W....	Sidney....	Krueger Ditch No. 2.	21
Lodge Pole....	Borgquist, C. R..	Sidney....	Borgquist Canal....	22
Lodge Pole....	Borgquist, C. R..	Sidney....	Borgquist Canal....	23
Lodge Pole....	Whitney, W. T....	Seattle, Wsh	Upper Whitney Ditch	24
Lodge Pole....	McLaughlin, M....	Sidney....	McLaughlin Ditch....	25
Lodge Pole....	Hale, L. H.....	Sidney....	.....	26
Lodge Pole....	Mitchell, J.....	Sidney....	.....	27
Lodge Pole....	Tobin, M. H....	Sidney....	Tobin Ditch.....	28
Lodge Pole....	Jones, B. A.....	Sidney....	Bordwell Ditch.....	29
Lodge Pole....	Kinney, L. C....	Pine Bluffs, Wyo	Premier Ditch.....	30
Lodge Pole....	Kinney, S. A....	Pine Bluffs, Wyo	Smeed Ditch.....	31
Lodge Pole....	Jones, B. A....	Sidney....	Bordwell Ditch.....	32
Lodge Pole....	Hurley, J. W....	Kimball....	Polly Ditch.....	33
Lodge Pole....	Pierce, S. A....	Pine, Bluffs, Wyo	Independent Ditch..	34
Lodge Pole....	Kinney, J. J....	Kimball....	Kinney Ditch.....	35
Lodge Pole....	Young, W. T....	Kimball....	Young Ditch.....	36
Lodge Pole....	Ruttner, C.....	Kimball....	Ruttner Ditch.....	37
Lodge Pole....	Oberfelder, R. S..	Sidney....	Oberfelder Ditch....	38
Lodge Pole....	Hale, L. H.....	Sidney....	.....	39
Lodge Pole....	Harrington, E....	Chappell....	.....	40
Lodge Pole....	Persinger, A. B....	Lodge Pole.	.....	41
Lodge Pole....	Krueger, F. W....	Sidney....	Krueger Ditch.....	42
Lodge Pole....	Brady, J. V....	Dix.....	Brady Ditch.....	43

STREAMS IN DIVISION 1.-E.

	Use to Which Ap.	Second feet App. for.	Second feet Granted.	Location of Head-Gate.			Date of Priority.			Docket No.	App. No.	
				S.	T	R	County.	M	D			Y
1	Irrigation ..		1.50	29	15	35	Kimball	Dec ..	31	76	347	.....
2	"		1.14	35	14	52	Cheyenne...	Oct...	1	78	368	.....
3	"		1.43	1	14	52	Cheyenne...	June.	1	79	305	.....
4	"		1.71	20	14	50	Cheyenne...	Apr.	15	80	339	.....
5	"		.50	20	14	50	Cheyenne...	Apr.	15	82	338	.....
6	"		2.50	8	14	51	Cheyenne...	June.	30	82	373	.....
7	"		3.71	30	15	54	Kimball	July.	1	82	346	.....
8	"		.83	14	14	51	Cheyenne...	Sept.	1	82	308	.....
9	"		.53	36	14	49	Cheyenne...	Apr.	30	83	320	.....
10	"		.71	36	14	49	Cheyenne...	Apr.	30	83	321	.....
11	"		.57	36	14	49	Cheyenne...	Apr.	30	83	322	.....
12	"		2.29	31	14	48	Cheyenne...	May	1	83	317	.....
13	"		4.29	29	14	47	Cheyenne...	May	31	83	309	.....
14	"		2.29	21	13	45	Deuel	Dec.	31	84	814	.....
15	"		2.71	33	15	56	Kimball	Dec.	31	84	348	.....
16	"		2.	36	14	47	Cheyenne...	Dec.	31	84	312	.....
17	"		1.14	26	14	47	Cheyenne...	Jan.	1	85	969	.....
18	"		.86	31	14	47	Cheyenne...	Apr.	10	85	336	.....
19	"		1.14	32	14	48	Cheyenne...	May.	1	85	323	.....
20	"		1.	18	13	45	Deuel	Dec.	31	85	813	.....
21	"		2.29	32	14	48	Cheyenne...	Oct.	10	86	324	.....
22	"		1.29	34	14	49	Cheyenne...	Apr.	30	87	301	.....
23	"		.71	34	14	49	Cheyenne...	Apr.	30	87	300	.....
24	"		2.29	36	14	49	Cheyenne...	May.	1	87	316	.....
25	"		1.	25	14	48	Cheyenne...	May.	1	87	966	.....
26	"		1.14	36	14	49	Cheyenne...	July.	1	87	318	.....
27	"		.86	8	14	51	Cheyenne...	Sept.	1	87	304	.....
28	"		2.86	28	14	47	Cheyenne...	July.	31	88	330	.....
29	"		1.43	35	14	49	Cheyenne...	Aug.	1	88	303	.....
30	"		2.43	8	14	52	Kimball	Apr.	11	89	340	.....
31	"		1.43	8	14	58	Kimball	Apr.	12	89	341	.....
32	"		.86	35	14	49	Cheyenne...	Apr.	27	89	302	.....
33	"		.79	30	15	55	Kimball	May.	6	89	342	.....
34	"		3.14	7	14	58	Kimball	May.	6	89	343	.....
35	"		2.	33	15	56	Kimball	May.	14	89	345	.....
36	"		.50	33	15	57	Kimball	May.	28	89	349	.....
37	"		1.14	31	15	56	Kimball	June.	4	89	350	.....
38	"		.43	31	14	46	Cheyenne...	June.	10	89	333	.....
39	"		.43	36	14	49	Cheyenne...	June.	20	89	319	.....
40	"		9.14	3	13	46	Deuel	June.	25	89	296	.....
41	"		4.57	33	14	46	Deuel	June.	25	89	297	.....
42	"		3.	29	14	48	Cheyenne...	June.	26	89	325	.....
43	"		.71	28	15	54	Kimball	A ug.	16	89	352	.....

CLAIMS AND APPLICATIONS

Stream.	Name of Claimant.	Postoffice Address	Name of Ditch.	
Lodge Pole....	Gross, C. J.....	Pine Bluffs, Wyo.....	Hoover Ditch.....	1
" "	Ickes, C. S.....	Denver, Co.	Ickes Ditch.....	2
" "	Adams, J. M.....	Potter.....	Adams Ditch.....	3
" "	Hurley, J. W.....	Kimball....	Hurley, Lilly & Polly Ditch.....	4
" "	Christenson, H. L..	Sidney.....	Christenson Ditch..	5
" "	Christenson, H. L..	".....	Christenson Ditch No 1.	6
" "	Trognitz, C.....	".....	Trognitz Canal.....	7
" "	Oberfelder, R. S....	".....	Oberfelder Ditch....	8
" "	Krueger, R.....	".....	Richard Krueger D....	9
" "	Anderson, J.....	".....	Anderson Ditch No. 2	10
" "	Adams, J. M.....	Potter.....	Adams Ditch.....	11
" "	Lyngholm, N. P....	Brownson..	Lyngholm Ditch.....	12
" "	Adams, J. M.....	Potter.....	Adams Ditch.....	13
" "	Dickinson, F.....	Lodge Pole.	.....	14
" "	Couch, A.....	Sidney.....	Couch Canal.....	15
" "	Burg, C. C.....	Dix.....	.....	16
" "	Bullock, W. C.....	Lodge Pole.	Bullock Canal.....	17
" "	Forsling, A.....	Kimball....	Maltese Ditch.....	18
" "	McIntosh, J.....	".....	McIntosh Ditch.....	19
" "	Kinney, L. C.....	Bushnell....	Bushnell Ditch.....	20
" "	Cole, Luther L....	Chappell....	Cole Canal.....	21
" "	Wiegand, Henry G.	".....	Wiegand Canal.....	22
" "	Neumann, A. G....	".....	A. G. Neumann.....	23
Spring Creek..	Oberfelder, R. S....	Sidney.....	Oberfelder Ditch....	24
" "	Gunder, G. B.....	".....	Private Ditch.....	25

BY STREAMS IN DIVISION 1-E.—Concluded.

	Use to Which Ap.	Second Feet Applied for	Second Feet Granted.	Location of Head-gate.			Date of Priority.			Docket No.	App. No.	
				S.	T.	R.	County.	M.	D.			Y.
1	Irrigation		1.43	12	14	59	Kimball....	Sept	4	89	358	...
2	"		2.50	33	14	50	Cheyenne..	Mar.	25	91	321	.....
3	"		1.43	3	14	52	"	July	1	91	371	.....
4	"		2.57	26	15	56	Kimball....	Oct.	1	91	354	.....
5	"		.57	7	14	51	Cheyenne..	Apr.	15	93	366	.....
6	"		.43	7	14	51	"	Apr.	15	93	367	.....
7	"		1	36	14	50	"	June	1	93	365	.....
8	"		2	31	14	46	"	Dec	30	93	306	.....
9	"		1	29	14	48	"	May	1	94	968	.....
10	"		.57	10	14	51	"	June	1	94	372	.....
11	"		1.43	10	14	52	"	Sept	1	94	370	.....
12	"		.36	14	14	51	"	Nov	1	94	337	.....
13	"		.50	10	14	52	"	Aug.	1	95	369	.....
14	"		2.29	33	14	47	"	May	10	96	967	.....
15	"		.71	20	14	50	"	July	24	95	.....	89
16	"		.71	30	15	53	"	Mar.	3	97	.....	381
17	"		.57	4	13	46	"	Feb.	2	98	.....	437
18	"		.21	36	15	57	Kimball....	May	16	98	.....	454
19	"	16	.....	23	15	55	"	.....	.....	.....	*351	.....
20	"		5	2	14	58	"	Apr.	15	99	.....	504
21	"		1	2	12	45	Deuel	Jan.	22	00	.....	536
22	"		2	17	13	45	"	May	31	00	.....	563
23	"		2	36	13	45	"	June	12	00	.....	565
24	"		2.29	31	14	46	Cheyenne..	May	29	89	307	.....
25	"		.04	14	13	51	"	Mar.	19	95	335	.....

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Antelope Creek	Turner, Geo	Harrison	Turner Ditch	1
" "	Story, S. R.	Story	Story's Irr. Ditch	2
" "	Ellis, S. L.	Harrison	S. L. Ellis Ditch	3
Boggy Creek	Holly, Thos	Crawford		4
" "	Smith, J. W.	Bodare	Smith's Irr. Ditch	5
" "E. Br	Martin, Wm	Bodare	Martin's Ditch	6
" "M. B	Bannon, J. F.	Bodare	Bannon's "	7
Cedar Creek	Schilt, C. E.	Harrison	Schilt's Cedar Cr. D.	8
" "	Valdez, M.	Harrison	Valdez Ditch	9
Cherry Creek	Ruffling, M.	Bodare	Cherry Creek Ditch	10
Hat Creek	Brewster, B. E.	Harrison	W. Hat Creek Ditch	11
" "	Coffee, Chas. F.	Bodare	C. F. Coffee Ditch	12
" "	Crewster, B. E.	Harrison	W. Hat Creek Ditch	13
" "	Antrim, Z. F.	Bodare	Antrim Ditch	14
" "	Miller, Wm	Bodare	Miller "	15
" "	Haas, Catharine	Gilchrist	Haas "	16
" "	Baumgard, Adam	Montrose	Baumgard Ditch	17
Jim "	Daut, L.	Harrison	Daut Bros. "	18
" "	Nolan, Jas.	Harrison	Woodruff's South D.	19
" "	Anderson, Nels.	Harrison	Jim Creek Ditch	20
" "	Slattery, Wm	Harrison	Slattery "	21
" "	Slattery, Wm	Harrison	Slattery "	22
" "	E. Hunter, H. C.	Adelia	Hunter's "	23
" "E.	Meyers, J. F.	Montrose	Meyers "	24
Jim C., E. trib of	Wassenberger, J.	Montrose	Wassenberger Plant.	25
Little Red Cr.	Zerbst, R.	Harrison	Zerbst Ditch	26
Lickett Creek	Coffee, S. B.	Bodare	Lickett "	27
" "	Coffee, S. B.	Bodare	Lickett "	28
Long Branch	Borkey, S.	Ardmore	Borkey Dam	29
Monroe Creek	Wilcox, E. J.	Harrison	Big Monroe Creek D.	30
" "	Schilt, C. E.	Harrison	Schilt's Monroe Cr. D.	31
" "	Noreisch, Wm.	Harrison	Noreisch's Ditch	32
" "	Brumbaugh, S.	Harrison	Brumbaugh's Ditch	33
Prarie Dog Cr.	Schilt, C. E.	Harrison	Schilt's Prairie Dog D.	34
Richards' Br.	Woodruff, H. S.	Adelia	Woodruff Ditch	35
Sow Belly Cr.	Schaefer, P.	Bodare	Old Sow Belly Ditch	36
" "	Montgomery, S.	Bodare	Montgomery Ditch	37
" "	Jordan, S.	Gilchrist	Montgomery "	38
" "	Burke, J. B.	Bodare	Burke Ditch	39
" "	Jordan, S.	Gilchrist	Jordan "	40
" "	Nutto, F.	Harrison	Nutto's "	41
" "	Carroll, M. J.	Harrison	Carroll "	42
" "	Zimmerman, W. H.	Bodare	Zimmerman Ditch	43
Spring Cr trib.				
Sow Belly	Hall, W. S., Hall, F. M.	Harrison	Hall's Spring Cr. D.	44
Spring Cr. trib.				
Sow Belly	Schaefer, P.	Harrison	Spring Creek Ditch	45
Spring Cr. trib.				
Sow Belly	Hall, F. M.	Harrison	Hall's Spr. Cr. D. No. 2	46

STREAMS IN DIVISION 2-E.

	Use to Which App.	Second feet Applied for	Second feet Granted.	Location of Head-gate.				Date of Priority.			Docket No.	App. No.
				S	T	R	County.	M.	D	Y		
1	Irrigation...		.86	26	34	57	Sioux	Oct.	31	94	537	
2	"		2	8	34	56	"	Nov.	11	95		168
3	"		.29	9	33	57	"	May.	17	96		338
4	"		.11	30	33	55	"	Dec.	31	88	956	
5	"		.29	31	33	54	"	May.	1	92	526	
6	"		.36	18	32	54	"	May.	19	96		342
7	"		.06	7	32	54	"	July.	1	86	500	
8	"		.57	35	33	56	"	May.	15	85	507	
9	"		.50	10	32	56	"	April.	5	86	976	
10	"		.03	29	33	54	"	May.	1	93	549	
11	"		.43	16	32	55	"	June.	1	80	553	
12	"		4.29	26	33	55	"	Sept.	1	81	512	
13	"		.57	16	32	55	"	May.	31	86	553	
14	"		.57	3	32	55	"	June.	17	95		25
15	"		1	23	33	55	"	May.	19	96		341
16	"		.43	2	33	55	"	May.	8	99		510
17	"		.50	30	34	55	"	June.	28	00		569
18	"		.86	7	33	56	"	May.	15	89	981	
19	"		.36	14	33	57	"	May.	1	90	536	
20	"		.43	8	33	56	"	Dec.	15	90	502	
21	"		.29	13	33	57	"	May.	31	91	543	
22	"		.86	13	33	57	"	June.	12	95		14
23	"		.03	26	33	54	"	May.	12	98		451
24	"		.36	23	33	54	"	June.	3	98		457
25	"			29	34	54	"	Oct.	13	00		*581
26	"		.14	25	33	56	"	May.	1	93	551	
27	"		1.43	27	32	54	"	Mar.	21	00		549
28	"		2		27	33	54	"			*1005	
29	"		1.14	23	35	54	"	April.	19	00		557
30	"		1.43	33	33	56	"	May.	1	88	506	
31	"		.50	27	33	56	"	July.	2	88	509	
32	"		.06	13	33	56	"	July.	19	95		83
33	"		.48	22	33	56	"	Aug.	12	95		112
34	"		1.14	35	33	56	"	May.	31	86	508	
35	"		50	7	33	53	"	June.	26	95		52
36	"		3	7	33	55	"	June.	1	87	533	
37	"		1	21	33	55	"	Dec.	1	90	559	
38	"		.29	21	33	55	"	June.	1	95	556	
39	"		.57	5	32	55	"	July.	5	95		63
40	"		1	21	33	55	"	May.	11	96		424
41	"		.43	24	32	56	"	Sept.	4	97		404
42	"		.14	7	32	55	"	July.	12	99		516
43	"		.71	34	33	55	"	Jan.	11	00		532
44	"		.57	6	32	55	"	Mar.	26	89	550	
45	"		.29	7	32	56	"	June.	1	93	532	
46	"		.57	6	32	55	"	Aug.	2	99		518

* Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Spr Br trib to S W'rbon'et Cr	Garton, O. A.....	Harrison...	Garton Ditch.....	1
Spr Br trib to W'rbon' t Cr	Kay, J. L.....	Harrison...	Kay's Ditch.....	2
Spr Br trib to S W'rbon'et Cr	Biehle, C.....	Harrison...	Biehle Ditch.....	3
Spr Br trib to N W'rbon'et Cr	Nolan, Jas.....	Harrison...	Nolan Ditch No. 1...	4
" " "	Nolan, Jas.....	Harrison...	" " " 2...	5
Squaw Creek..	Dunn, Thos.....	Harrison...	Dunn's Ditch.....	6
" " ..	Hamlin, D. N.....	Harrison...	Hamlin Ditch.....	7
" " ...	Dunn, Thos.....	Harrison...	Thos. Dunn's Ditch..	8
" " ...	Wilbur F. Shepherd	Harrison...	Shepherd Ditch.....	9
" " ...	Hamlin, D. N.....	Harrison...	Hamlin Ditch.....	10
" " ...	Dunn, P. D.....	Harrison...	Phillip Dunn's Ditch..	11
Stream.....	Coffee, S. B.....	Bodare.....	Homestead Ditch....	12
Warbonnet Cr.	Brewster, B. E....	Harrison...	Warbonnet Ditch....	13
Warbonnet Cr. North Br. ...	Ellis, S. L.....	Harrison...	R. T. Ellis Ditch....	14
Warbonnet Cr. N Br of S Br.	Anderson, J.....	Harrison...	.....	15
Warbonnet Cr. N Br of S Br	Anderson, J.....	Harrison...	.....	16
Whitehead Cr.,	Harrison, R.....	Adelia.....	Harrison's Ditch....	17

STREAMS IN DIVISION 2-E.—Concluded.

	Use to Which Ap.	Second feet Applied for.	Second feet Granted.	Location of Head-gate.			Date of Priority.			Docket No.	App. No.	
				S	T	R	County.	M	D			Y
1	Irrigation...		1.43	31	33	56	Sioux	Oct.	16	93	503	.....
2	" ..		.14	26	33	57	"	May	1	87	958	.....
3	" ..		.23	32	33	56	"	Apr.	1	91	538	.....
4	" ..		.01	23	33	57	"	Mar.	15	87	957	.....
5	" ..		.29	23	33	57	"	May	1	88	959	.....
6	" ..		.36	15	33	57	"	June	1	90	552	.....
7	" ..		.01	10	33	57	"	Apr.	1	91	555	.....
8	" ..		.57	10	33	57	"	Aug.	5	95	.....	100
9	" ..	6	.....	1	33	57	"	Aug.	21	95	.....	*123
10	" ..		.43	10	33	57	"	June	12	96	.....	313
11	" ..		.86	3	33	57	"	Jan.	22	97	.....	376
12	" ..		.21	27	33	54	"	May	31	90	984	.....
13	" ..		3.63	21	33	56	"	July	31	80	548	.....
14	" ..		.29	25	33	57	"	May	17	96	.....	339
15	" ..		.71	30	33	56	"	May	31	89	539a	.....
16	" ..		.29	30	33	56	"	Dec.	31	91	539b	.....
17	" ..		.06	13	33	54	"	May	30	88	547	.....

* Pending.

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice 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 Granted.	Location of Headgate.				Date of Priority.			App. No.
			S	T	R	County.	M	D	Y	
1	Irrigation.....	.57	4	8	9-E	Otoe	Aug.	13	95	115

CLAIMS AND APPLICATIONS BY

Stream.	Name of Claimant.	Postoffice Address.	Name of Ditch.	
Bazile Creek...	Packard, J. L.....	Creighton...	Creighton Mill Race..	1
Bazile Creed...	Schneider, Frank...	Creighton...	Electric Light & Power Co.....	2

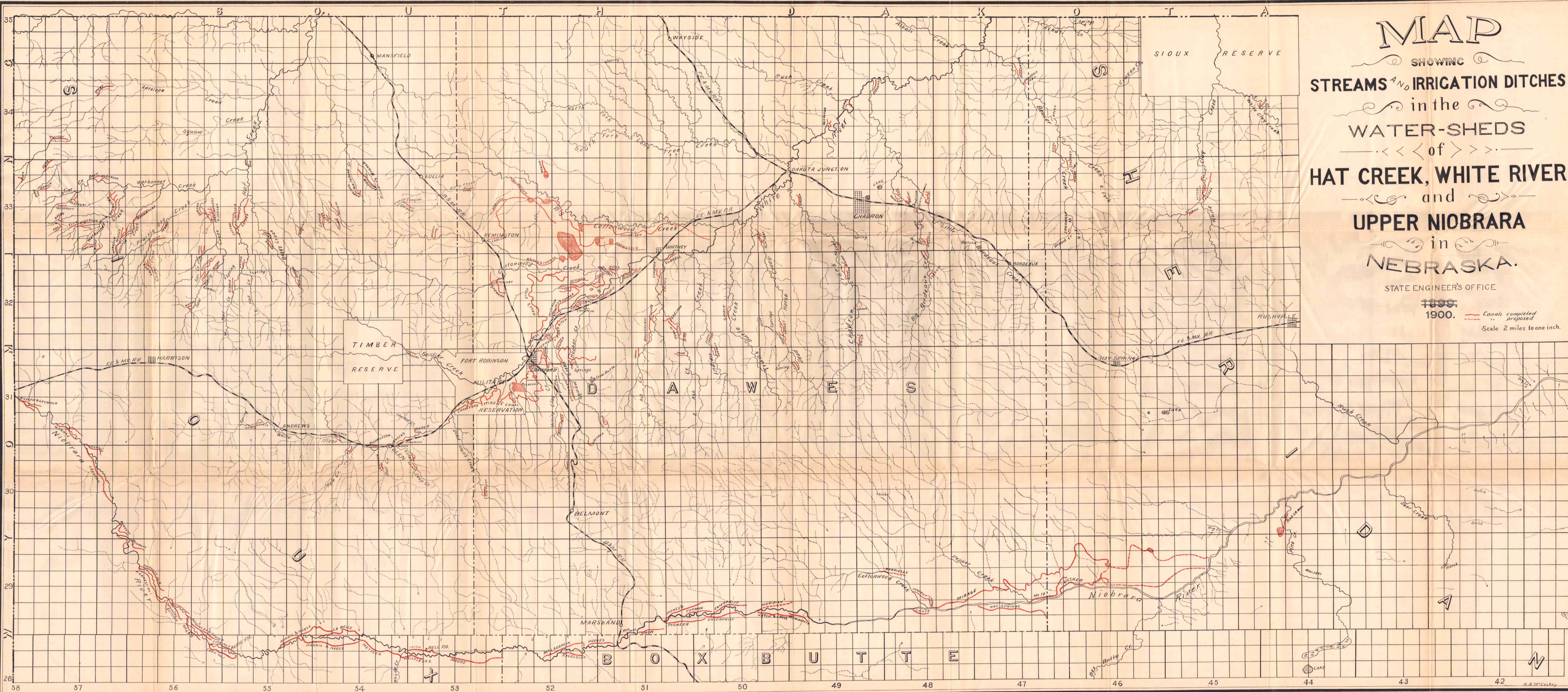
STREAMS IN DIVISION 2-F.

	Use to Which Applied.	Second feet Granted.	Location of Headgate.			Date of Priority.			Docket No.	App. No.			
			S	T	R	County.					M	D	Y
1	Power		21	29	5	Knox.....				*1002	.....	
2	Power	25	34	29	5	Knox.....			Mar.	25	99	.....	509

* Pending.

SUMMARY OF CLAIMS AND APPLICATIONS GRANTED.

Divis. No.	STREAM.	No. of Claims.	Appropri'tns		Amount Appropriated in Sec. Ft.			Acres Covered.		
			Appls	Total.	Claims.	Appl'ns.	Total.	Claims.	Appl'ns.	Total.
1-A	Platte Riv. & Tributaries.	154	60	214	10,294 11	2,293 50	12,587 61	728,587 70	160,544 00	881,132 70
1-B	Republican Riv. & Trib...	59	45	104	1,092 02	226 20	1,318 22	71,681 40	15,834 00	87,515 40
1-D	Blue Riv. and Tributaries.	.....	8	8	.....	157 84	157 84	.....	898 80	898 80
1-E	Lodge Pole Cr. and Trib...	59	8	67	96 70	12 20	108 90	6,769 00	854 00	7,623 00
1-F	Nemaha Riv. and Trib...	.....	1	1	.....	57	57	.....	39 90	39 90
2-A	Loup Riv. and Trib.....	28	51	79	1,910 05	3,542 37	10,452 42	8,750 00	310,265 90	319,015 90
1-B	Elhorn Riv. and Tribs... and Tribs. of Platte R. below mouth Elkhorn..	6	14	20	183 07	146 96	330 03	12,814 90	1,385 30	14,200 20
2-C	Niobrara Riv. & Tribs..	71	88	159	455 24	396 25	851 49	21,996 80	12,274 50	34,271 30
2-D	White Riv. and Tribs....	57	67	124	155 11	87 70	242 81	9,119 60	6,139 01	15,258 60
2-E	Hat Riv. and Tribs.....	34	25	59	25 31	15 53	40 84	1,771 70	1,087 10	2,858 80
2-F	Tributaries of Missouri. Riv. ab mouth Platte...	1	.....	1	25 00	.....	25 00	.....	.....	.....
	Total.....	469	367	836	14,236 61	11,379 12	26,115 73	853,491 10	509,323 50	1,362,814 60



MAP
 SHOWING
STREAMS AND IRRIGATION DITCHES
 in the
WATER-SHEDS
 of
HAT CREEK, WHITE RIVER
 and
UPPER NIOBRARA
 in
NEBRASKA.

STATE ENGINEER'S OFFICE
 1899.
 1900. ——— Canals completed
 - - - - - proposed
 Scale 2 miles to one inch.

RIVER MEASUREMENTS.

The records of streams measurements are becoming more valuable each year. As the waters of a stream become more closely appropriated the need for careful and frequent measurements of the volume of water discharged becomes more apparent. Measurements have been made of all the important rivers and many of the smaller streams and tributaries.

The plan of co operation with the United States Geological Survey which was outlined in the last biennial report of the Secretary has been continued. Under the direction of Prof. O. V. P. Stout, of the State University, a series of daily observations of the flow of larger streams of the State have been conducted for the past six years.

The results of these measurements are given in the following tables:

REPORT OF SECRETARY

PLATTE RIVER AT COLUMBUS (above mouth of Loup).

Daily mean discharge in cubic feet pere second.

DAY	APRIL.		MAY.					
	1899	1900	1895	1896	1897	1898	1899	1900
1	.....	.....	.....	.....	.....	1500	7720	7800
2	.....	.....	.....	4550	.....	2400	6505	7400
3	.....	.....	5550	.....	.....	4000	6980	7330
4	11300	.....	.....	.....	6700	4800	7330	7260
5	23700	.....	.....	.....	7000	6400	7960	14800
6	18000	.....	.....	.....	7350	6600	8600	15250
7	16400	.....	.....	.....	8200	6800	10080	35400
8	8200	1907	.....	.....	10300	6000	8200	27500
9	6375	1800	.....	.....	12250	5100	8700	25100
10	6635	1738	.....	.....	11250	4950	8200	25100
11	6910	1738	.....	.....	10800	3900	7720	27500
12	7120	1707	.....	.....	11250	4400	7260	27500
13	7330	1676	.....	.....	112 0	3800	6840	21800
14	4559	1648	.....	.....	11250	3500	6505	21600
15	3950	1594	.....	.....	12700	3300	6050	20650
16	3600	1594	.....	.....	12250	3175	6310	19700
17	3750	1707	.....	.....	12250	3650	5150	18850
18	4150	5100	.....	.....	13400	4500	4950	18850
19	6715	6770	.....	.....	13400	3500	4750	17200
20	7400	6050	.....	.....	12100	6850	4700	16400
21	9100	5500	.....	.....	11250	10700	8800	19700
22	7960	7720	5896	.....	11250	8900	10800	22440
23	8200	7720	.....	.....	10300	7950	7880	29440
24	7880	7880	.....	.....	9250	9600	15600	26960
25	8040	7960	.....	.....	10800	8300	18850	20270
26	14125	8800	.....	.....	12250	6600	22400	19360
27	7800	10800	.....	.....	12100	9100	25770	18510
28	7260	12875	.....	.....	14675	8100	20745	15120
29	7800	14530	.....	.....	15250	6700	18340	12415
30	7960	13800	.....	.....	18000	7350	16720	12875
31	.....	.....	.....	.....	21600	9000	15120	11200
Mean.	8230	5635	.....	.....	11801	5885	10373	19075

PLATTE RIVER AT COLUMBUS
(above mouth of Loup).

Daily mean discharge in cubic feet per second.

DAY	JUNE.					
	1895	1896	1897	1898	1899	1900
1	.....	.....	21600	7800	12415	11600
2	.....	.....	22600	24600	10300	12415
3	.....	.....	21400	13900	9200	13850
4	9420	4890	27400	22200	9310	13720
5	8600	4320	22600	2,200	5000	13000
6	7100	5260	19700	17100	6700	13850
7	5170	5750	19700	19000	9200	18000
8	7500	7050	20600	15800	7480	16880
9	11240	9715	21600	13100	6375	15760
10	12580	14900	22600	14100	6375	15600
11	27200	11975	23750	13900	14960	18170
12	22400	12185	31100	12400	16560	15920
13	22420	10925	28575	11900	19890	14665
14	19280	10400	20300	11400	22860	14125
15	17460	6100	17750	10900	23490	16720
16	16150	8250	16000	13200	23700	21600
17	17130	10400	13900	11700	23490	25770
18	16150	8250	9800	10300	9310	18510
19	16970	7950	8200	9300	9200	20080
20	16150	6100	5500	7600	9200	18850
21	14980	5750	11250	6200	11200	18340
22	14440	5510	12500	6350	13220	15600
23	13470	6380	11500	5750	14395	13450
24	12580	5750	11100	6400	16240	12530
25	12800	6380	11750	6350	12875	11600
26	12250	6100	12200	5700	13105	9600
27	10590	6450	12250	5100	13855	9275
28	11550	6380	11750	5200	18170	7800
29	11750	5145	10750	5300	19190	6900
30	11450	4535	8700	5600	25540	6700
Mean.	14027	7510	16914	11278	13760	14695

REPORT OF SECRETARY

PLATTE RIVER AT COLUMBUS (ABOVE MOUTH OF LOUP).

Daily mean discharge in cubic feet per second.

Day.	JULY.					
	1895	1896	1897	1898	1899	1900
1	9315	4400	8200	6100	24850	5400
2	7900	4400	8200	5000	20840	5900
3	6600	4490	7600	5050	19190	5700
4	6210	4490	6400	5200	20270	5900
5	5170	4280	4700	4900	22440	10500
6	4165	3700	3900	4800	23280	6500
7	3895	3700	3500	3900	23280	3620
8	4345	3505	3500	3650	23700	3850
9	3720	3190	350	3800	17040	4625
10	3720	3880	3100	3000	17360	4700
11	3205	3570	2550	2770	17360	3550
12	4435	2475	2000	2350	17200	2440
13	4345	1975	2000	1700	17040	1750
14	4615	1530	2000	1550	16880	1550
15	4985	725	2000	1400	15920	5610
16	4165	188	2000	1550	16080	2000
17	3375	Dry	2000	1400	14665	2280
18	2950	"	r	1300	12644	950
19	3545	"	r	750	11400	1000
20	3205	"	r	500	11400	1300
21	2700	"	r	r	10400	400
22	2530	"	r	r	9310	500
23	2135	"	r	r	8600	520
24	1980	"	r	r	8300	800
25	1980	"	r	r	7400	500
26	1745	"	r	r	7480	550
27	1380	"	r	r	7560	660
28	1380	"	*994	r	3380	650
29	1525	"	r	*285	8800	394
30	1525	"	r	r	8900	250
31	1470	"	r	r	8120	200
Mean.	3685	3156	3786	2899	14551	2727

r No water at gauge.

* Measurement.

STATE BOARD OF IRRIGATION

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PLATTE RIVER AT COLUMBUS (ABOVE MOUTH OF LOUP).

Daily mean discharge in cubic feet per second.

Day.	AUGUST.					
	1895	1896	1897	1898	1899	1900
1	1250	Dry.	r	r	6980	a
2	970	620	r	r	6570	a
3	590	2375	r	r	6245	a
4	698	1850	r	r	6770	a
5	782	1250	r	r	8200	a
6	846	1140	r	r	9420	a
7	564	725	r	r	8400	a
8	444	425	r	r	9100	a
9	312	350	r	r	9000	a
10	472	188	r	r	8800	a
11	236	305	r	r	8040	a
12	264	420	r	r	10400	a
13	96	620	r	r	6245	a
14	1105	1715	r	r	5775	a
15	910	930	r	r	5350	a
16	910	188	r	r	3500	a
17	845	Dry.	3300	r	3900	a
18	850	"	4400	r	3460	a
19	910	"	4400	r	3700	a
20	672	"	4900	r	3340	a
21	536	"	4900	r	3380	a
22	878	"	4900	r	3340	b
23	1250	"	4400	r	3140	b
24	1340	"	3800	r	2938	b
25	1070	"	3400	r	2547	a
26	725	"	3400	r	2361	149
27	508	"	3400	r	1861	a
28	416	"	3400	r	.....	a
29	360	"	1400	r	.....	a
30	336	"	1400	r	.....	a
31	1140	"	1400	r	.....	a
Mean.	722	423	3520	.....	5658	.....

a Water small in amount; separated into one, two or three small channels.

b Water in pools. No flow.

r No water at gauge.

REPORT OF SECRETARY

PLATTE RIVER AT COLUMBUS (above mouth of Loup.)

Daily mean discharge in cubic feet per second.

DAY.	SEPTEMBER.					OCTOBER.				
	1896	1897	1898	1899	1900	1896	1897	1898	1899	1900
1	Dry	r	r	.....	a	188	r	r	.....	a
2	"	r	r	.....	a	188	r	r	.....	.....
3	"	r	r	.....	a	305	r	r	.....	.....
4	"	r	2	.....	a	188	r	r	Dry	.....
5	"	r	.....	.....	a	305	r	r	.....	.....
6	"	r	.....	.....	a	425	r	r	.....	.....
7	"	r	.....	.....	a	525	r	r	.....	.....
8	"	r	.....	.....	a	620	r	r	Dry	.....
9	"	r	.....	.....	a	725	r	r	.....	.....
10	"	r	.....	.....	a	1250	r	r	.....	.....
11	"	r	.....	.....	4600	1250	r	r	.....	.....
12	"	r	.....	.....	2350	1080	r	r	.....	.....
13	"	r	.....	.....	1700	1080	r	r	.....	.....
14	"	r	.....	.....	1030	625	r	r	Dry	.....
15	"	r	.....	.....	550	425	r	r	.....	.....
16	"	r	.....	.....	403	425	r	*14	.....	.....
17	"	r	.....	.....	400	425	r	r	Dry	.....
18	"	r	*10	.....	a	188	r	r	.....	.....
19	"	r	.....	.....	a	188	r	r	Dry	.....
20	"	r	.....	Dry	a	188	r	r	.....	.....
21	"	r	.....	.....	a	188	r	r	Dry	.....
22	"	r	.....	.....	a	188	r	r	.....	a
23	"	r	.....	.....	a	350	r	r	.....	.....
24	"	r	.....	Dry	a	365	r	r	.....	920
25	"	r	.....	.....	a	620	r	r	Dry	920
26	"	r	r	.....	a	620	r	r	.....	950
27	"	r	r	Dry	a	725	1400	r	.....	770
28	"	r	r	.....	a	785	1400	r	Dry	680
29	"	r	r	.....	a	845	1600	r	.....	610
30	"	r	r	Dry	a	2250	1600	*13	.....	600
31	.....	r	.....	.....	a	2500	.....	r	.....	998
Mean.	.....	.....	.....	.....	.....	649	.....	.....	.....	806

* Measurement.

r No water at gauge.

a Water separated into small channels.

PLATTE RIVER AT COL-
 UMBUS,
 (above mouth of Loup.)
*Daily mean discharge in
 cubic feet per second.*

DAY.	NOVEMBER.		
	1896	1898	1900
1	2250	r	950
2	2250	r	600
3	2250	r	500
4	2425	r	400
5	2500	r	400
6	2500	r	400
7	2640	.....	350
8	2780	.....	300
9	3535	.....	300
10	2780	.....	a
11	1600	*16	a
12	620	.....	a
13	620	.....	a
14	620	.....	a
15	.....	.....	a
16	.....	.....	a
17	.....	.....	.....
18	.....	.....	.....
19	.....	.....	.....
20	.....	.....	.....
21	.....	.....	.....
22	.....	.....	.....
23	.....	.....	.....
24	.....	.....	.....
25	.....	.....	.....
26	.....	.....	.....
27	.....	.....	.....
28	.....	.....	.....
29	.....	.....	.....
30	.....	.....	.....
31	.....	.....	.....
Mean	2098	.....	.....

*Measurement.
 r No water at guage
 a Separated into small chan-
 nels.

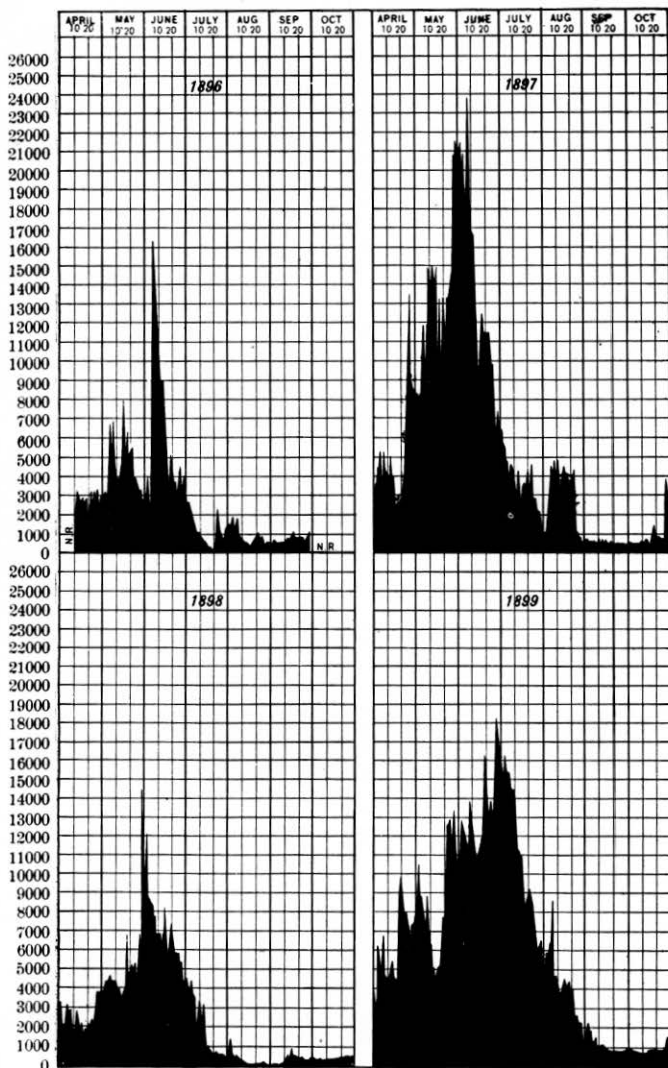
REPORT OF SECRETARY

NORTH PLATTE RIVER AT NORTH PLATTE.
Daily mean discharge in cubic feet per second.

DAY.	JANUARY.			FEBRUARY.		
	1897	1898	1899	1897	1898	1899
1	5715	4864	.....	4876	5296	7437
2	5296	5296	5757	4876	5296	7437
3	6554	5296	5757	4876	4864	7437
4	6134	4861	5757	5715	5296	7437
5	6554	5296	5757	5296	5296	7437
6	6973	5296	5757	5296	5296	7437
7	7392	5296	5757	5296	5296	7437
8	7812	5848	5757	5296	5848	7437
9	8231	5448	5757	6134	6333	7437
10	7812	5296	5757	6973	5848	7437
11	7812	5296	5757	7812	6333	7437
12	7812	4864	5757	7812	7786	7437
13	8650	5080	5757	8231	7786	7437
14	8650	5296	5757	8650	8270	7437
15	7812	4864	5757	8650	7786	7437
16	8231	5080	5757	9489	6333	7437
17	8231	4864	5757	9489	5296	7437
18	8231	5296	5757	9489	5080	7437
19	8231	5080	6317	9489	4864	7437
20	8231	4864	6317	9489	4864	7437
21	7812	4864	6317	9489	4864	7437
22	6973	4864	6877	8650	4433	7437
23	5715	5080	6317	7812	4217	7437
24	4876	5296	6317	6974	3785	7437
25	4876	4864	7437	2471	3570	7437
26	5715	5296	7437	2645	3354	7437
27	5715	5296	7437	2645	3354	7437
28	5715	5296	7437	2645	2922	7437
29	5715	5296	7437	.....	.....	.....
30	5715	5296	7437	.....	.....	.....
31	5715	5296	7437	.....	.....	.....
Mean.	6932	5178	6257	6663	5342	7437

Gaugings at North Platte for the years 1897, 1898 and 1899 furnished by Chas. P. Ross, C. E. of North Platte.

NORTH PLATTE RIVER AT NORTH PLATTE.
discharge in cubic feet per second, 1896-1899.



NORTH PLATTE RIVER AT NORTH PLATTE.
Daily mean discharge in cubic feet per second.

DAY.	MARCH.				APRIL.				
	1895	1897	1898	1899	1895	1896	1897	1898	1899
1	10180	2341	3138	7437	1723	...	2645	3138	3831
2	8060	3689	2707	7437	2512	.....	3515	2707	3023
3	4878	4457	2064	7437	1551	.....	4457	2491	6317
4	4878	5296	2064	7437	1551	.....	4457	2064	5757
5	4878	5712	1844	7437	1905	.....	5296	2707	5197
6	4282	6554	1700	7437	2968	.....	4038	3138	6317
7	3210	6973	1700	7437	3463	.....	4457	2707	6597
8	4575	7392	2064	7437	3210	.....	5296	2922	4917
9	2968	7812	2491	7437	2300	.....	4457	2491	4637
10	1723	8650	2491	7997	1551	1860	3863	1700	4637
11	3463	9489	2491	7997	2735	2335	3863	2064	4637
12	2968	3167	2491	7997	2735	3048	4896	2491	5197
13	963	3341	2275	7977	2968	3560	3863	2707	5477
14	537	2998	2064	7997	2512	3048	3515	2275	4637
15	455	2645	2491	7997	1723	2680	3167	1844	4437
16	1389	2471	2064	7997	2512	2490	2471	2275	4637
18	1725	2993	2275	7437	3210	2870	2471	1557	8837
18	2300	3515	1844	6317	3725	2870	2645	1700	9111
19	2512	2471	2491	6316	3463	2490	2645	1700	9481
20	2968	2296	2491	6317	2968	2680	2819	2064	9851
21	2300	3167	2707	4637	4282	3225	3515	2064	9111
22	2098	3167	2064	6317	5191	2680	3863	2064	7997
23	2098	2993	1557	6317	5191	3048	5296	2491	7997
24	2300	2345	1551	7717	4878	2680	6973	2275	7997
25	2300	2122	1413	6877	4878	3225	8650	2491	7437
26	3463	1774	1270	5197	4781	3048	10328	2922	6877
27	2512	2296	1700	5197	5191	2680	13486	3785	7437
28	2300	1948	2491	4917	5848	2683	9489	3785	7437
29	2098	1774	3354	4637	6544	3048	8650	3785	7437
30	1723	2122	2922	4917	6544	3048	8231	3785	7997
31	1389	2296	2707	5197	.....	.....	.....	.....	.....
Mean.	3016	3921	2252	6814	3470	2823	5110	2540	6509

REPORT OF SECRETARY

NORTH PLATTE RIVER AT NORTH PLATTE.
Daily mean discharge in cubic feet per second.

DAY.	MAY.					JUNE.				
	1895	1896	1897	1898	1899	1895	1896	1897	1898	1899
1	5191	3225	8251	3785	10591	9735	3392	21527	12034	10961
2	5848	3392	7812	4001	10591	5464	4000	20296	9559	12146
3	5848	3048	8650	4433	9851	8060	3392	20796	8785	12962
4	8464	3780	11854	4433	8837	12553	2680	18603	8528	12962
5	9735	4555	11854	4433	8277	12553	14613	18603	8270	12146
6	10635	6777	10328	4433	7437	12058	16300	18603	7786	11330
7	10635	5655	11854	4648	7437	16875	14613	21527	7786	11738
8	8878	6777	11854	4433	8837	15732	12927	23720	7817	12962
9	6908	5111	14948	4433	8277	15732	11241	21849	6817	13782
10	7282	4000	14217	4433	6317	15177	10117	17172	6817	13782
11	7282	4000	14217	4001	6037	14632	9000	16637	6817	13373
12	6191	3780	14948	4. 01	5197	12553	9000	16637	6817	12554
13	5541	4555	14948	3785	5197	11573	9000	13490	6333	11738
14	4878	5655	14217	3570	4637	12553	7333	11916	8270	10961
15	5848	7888	14948	3785	5197	11573	5655	9768	7302	11330
16	5848	5655	10328	4217	5477	11573	4000	11393	6333	12146
17	6908	5655	13486	6817	6397	12550	3780	11393	5848	14195
18	8060	6222	10328	5296	7717	10635	3780	12442	6333	14606
19	6544	5111	103 8	4864	7717	10635	5111	11393	6817	16257
20	6908	5655	13486	4864	9851	9735	4000	11390	7302	15838
21	6544	5655	11854	5296	11350	8878	3780	11393	6817	14195
22	6908	5111	13486	5080	12554	10180	3560	11393	5848	13373
23	6908	4000	13486	5296	12554	8878	3225	11393	5842	13784
24	7282	4000	14217	4864	12967	8878	3560	9768	5848	13373
25	6544	3780	15879	4864	12146	8464	4555	9768	5848	15839
26	6191	3560	17872	5296	12962	7665	3780	7331	5296	17072
27	6191	3225	20063	6817	13373	7665	3560	6518	5296	18305
28	5848	3225	20796	6817	13373	7282	3560	7331	5080	17894
29	5191	2680	20796	5848	12554	6191	4000	6518	4433	17072
30	7280	2680	21527	14646	10591	5848	2680	6518	4648	16661
31	9735	2870	20796	10074	10591	.....	.....	.....	.....	.....
Mean.	7033	4558	13981	5276	9196	10829	6340	13920	6878	13844

NORTH PLATTE RIVER AT NORTH PLATTE.

Daily mean discharge in cubic feet per second.

DAY.	JULY.					AUGUST.				
	1895	1896	1897	1898	1899	1895	1896	1897	1898	1899
1	5191	2680	6197	4217	15428	628	1600	1090	548	5197
2	4575	2680	5716	4001	16257	537	1475	1090	1270	5757
3	3725	2935	5556	4001	15839	963	1730	1090	1413	5757
4	4282	2020	5235	4433	15428	730	1860	1510	840	6817
5	4575	1730	4914	3785	15428	537	1240	2306	510	6317
6	3998	1600	4754	3570	15428	628	1475	4593	473	8557
7	3998	1475	4432	3354	14606	842	1730	4432	548	5477
8	4575	1130	4272	2491	14606	842	1240	4754	473	4637
9	5191	1130	4593	2275	14606	628	800	4432	399	4637
10	5848	950	4112	3570	14606	628	950	4593	324	4235
11	5191	800	3174	2707	13784	628	675	4754	306	3831
12	4575	600	3409	3138	11738	628	600	4272	289	3831
13	3998	550	4272	1844	11330	537	600	3643	254	4033
14	3998	460	3174	1557	11330	384	550	4112	219	4637
15	3463	320	2940	1270	10961	455	520	4593	178	4637
16	2968	350	3409	984	9851	628	460	4272	179	4235
17	2098	280	3409	1127	9111	455	520	4272	179	4033
18	1551	250	3643	984	8557	384	637	4272	179	4235
19	1551	350	3409	984	8837	323	800	4112	160	3831
20	1905	405	4272	697	9111	384	875	3643	100	3831
21	1551	575	3409	697	9111	272	1130	3643	100	3831
22	1723	875	3878	697	8557	231	950	4309	100	2619
23	2098	1600	4432	715	8277	272	800	2306	254	2619
24	2668	2835	2940	622	7437	231	950	1510	271	2215
25	2968	1240	2940	660	7157	272	738	1090	199	2215
26	2098	1040	2306	622	6317	200	600	1090	160	2215
27	1551	875	2306	622	6317	175	550	963	140	2215
28	1551	875	2306	510	6597	537	600	963	90	2030
29	1389	1350	2306	399	5757	455	575	850	120	1668
30	1237	1040	1510	324	5757	384	550	743	90	1322
31	842	1475	1090	473	4917	323	600	743	80	1668
Mean.	3137	1134	3688	1846	10743	488	919	2876	353	3866

NORTH PLATTE RIVER AT NORTH PLATTE.
Daily mean discharge in cubic feet per second.

DAY.	SEPTEMBER.					OCTOBER.				
	1895	1896	1897	1898	1899	1895	1896	1897	1898	1899
1	323	550	850	150	2215	272	.....	615	324	976
2	323	738	850	70	1845	200	.....	486	289	850
3	323	637	743	90	1845	231	.....	486	254	875
4	200	637	679	90	1845	384	.....	486	289	713
5	200	600	615	120	1322	384	.....	486	289	713
6	200	600	679	80	1322	384	.....	486	324	713
7	150	550	550	100	1495	384	.....	486	324	713
8	150	550	422	160	1495	537	.....	486	324	622
9	175	600	422	219	1149	730	.....	486	436	622
10	175	675	486	324	1019	730	.....	679	399	622
11	175	800	679	436	1149	537	.....	550	399	622
12	175	800	743	660	1149	842	.....	679	436	713
13	200	950	615	548	1149	730	.....	743	399	713
14	200	1130	679	697	1149	842	.....	679	399	667
15	175	1130	615	984	1019	842	.....	473	399	984
16	272	950	679	697	889	1095	.....	963	399	984
17	272	800	679	660	889	1095	.....	1090	399	984
18	200	875	743	548	889	1095	.....	1343	399	984
19	200	950	615	473	889	963	.....	1510	473	984
20	150	875	615	399	889	842	.....	963	548	984
21	200	875	615	362	875	842	.....	963	548	984
22	231	950	615	324	875	842	.....	743	548	984
23	455	800	550	324	850	1095	.....	743	622	984
24	384	875	486	324	850	1095	.....	743	622	984
25	323	950	550	324	850	1237	.....	743	622	984
26	272	1130	550	324	875	1237	.....	1090	660	1270
27	272	.....	486	324	875	1389	.....	1510	697	1557
28	200	.....	486	289	976	1095	.....	3643	697	1557
29	231	.....	486	289	875	1095	.....	3878	697	1557
30	323	.....	486	306	875	842	.....	3643	697	1557
31	323	.....	.....	.....	.....	1237	.....	2940	697	413
Mean.	238	807	609	353	1145	810	.....	1132	476	966

NORTH PLATTE RIVER AT NORTH PLATTE.

Daily mean discharge in cubic feet per second.

DAY.	NOVEMBER.				DECEMBER.		
	1895	1897	1898	1899	1897	1898	1899
1	1095	2624	697	1270	4112	2275	1844
2	968	1510	697	1557	3174	2275	1844
3	1095	963	697	1557	4112	2275	1700
4	1389	743	697	1700	4112	2707	1700
5	1551	743	984	1844	4112	2707	2707
6	1389	963	984	2059	4112	2707	3570
7	1095	1510	984	1844	4112	2707	3570
8	1095	1510	697	1844	4112	2707	3570
9	1389	2624	984	1844	4432	2707	3133
10	968	2624	660	1844	4593	2707	3138
11	1095	1510	697	1844	4754	3570	3138
12	1237	1510	984	1844	4914	3570	3138
13	1905	1510	984	1557	5395	3570	3138
14	1551	1510	984	1557	5395	3570	3138
15	1551	1510	697	1700	5716	3570	3138
16	1551	1510	1127	1844	5716	3570	3138
17	1237	2624	984	1700	6037	3570	3138
18	1389	2624	1270	1557	6037	.....	3138
19	1237	2624	1844	1844	6037	.....	3138
20	1389	2624	1557	1844	6037	.....	3138
21	968	2624	1127	2275	6037	.....	3138
22	1095	2306	984	2275	6037	.....	3138
23	1237	2624	984	1844	5716	.....	3138
24	1551	2624	984	1844	5716	.....	3554
25	1905	963	984	1844	5395	.....	3785
26	1905	2306	984	1844	5395	.....	4433
27	1551	3409	984	1844	5395	.....	4433
28	1551	4112	1844	2275	5074	.....	4433
29	1237	4112	1557	1844	5395	.....	4433
30	1551	4112	1557	1844	5716	4433
31	5716	4433
Mean.	1357	2152	1040	1830	5116	3270

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NORTH PLATTE RIVER AT CAMP CLARKE.

Daily mean discharge in cubic feet per second.

DAY.	APRIL.				MAY.		
	1897	1898	1899	1900	1898	1899	1900
1	2200	675	.....	.....	2600	10150	10805
2	2110	675	.....	.....	2350	10588	8370
3	2050	900	.....	.....	2600	7145	8450
4	1950	1050	.....	.....	2400	6037	10200
5	1850	1050	2648	.....	3700	7505	9855
6	1650	830	2866	.....	4000	7290	9820
7	1850	900	3005	.....	4000	4111	9100
8	2150	880	3235	2910	3350	4165	9410
9	2050	925	3335	3500	3150	3841	8800
10	1550	950	2866	4650	3050	4215	9850
11	1850	1000	2734	4450	3150	3841	9850
12	2050	1175	2734	4900	2700	4875	10500
13	1420	900	4384	4300	3150	5455	10900
14	1850	950	7000	4950	3300	5645	11740
15	1850	1000	11030	5810	2500	6855	12680
16	1900	1200	10500	5400	2600	8500	13600
17	1850	1250	9560	4450	2650	10413	14000
18	2000	1350	9560	5010	2650	11668	12800
19	2400	1650	9810	4650	2800	12914	11700
20	4195	1900	10040	4525	4000	19050	10900
21	.....	2400	9060	4310	5300	16220	11000
22	.....	2400	8265	4525	5700	17773	11150
23	.....	3050	6443	6400	6300	16867	10700
24	.....	3400	5907	6300	6100	16430	9400
25	.....	2900	5712	6400	5900	17207	9225
26	.....	2900	5647	5600	6200	14818	8550
27	.....	2900	6650	6200	13300	13000	8195
28	.....	2450	9225	7025	.....	12044	9100
29	.....	2700	10065	8400	.....	12330	10040
30	.....	2800	10850	7700	13400	13200	10755
31	.....	.....	.....	.....	11300	14000	11700
Mean.	2038	1637	6659	5407	4628	10257	10414

NORTH PLATTE RIVER AT CAMP CLARKE.

Daily mean discharge in cubic feet per second.

DAY.	JUNE.				JULY.				
	1896	1898	1899	1900	1896	1897	1898	1899	1900
1	10600	14718	12110	2886	.....	4200	20125	4000
2	10800	14925	12315	2552	4195	3350	20125	3960
3	8500	13895	13700	2295	.....	2960	20250	3700
4	7690	13400	14050	2042	3250	2800	20500	3420
5	7550	12805	14275	1878	2950	2800	19410	8550
6	6700	13793	14200	1655	2760	2400	20125	2700
7	6500	15455	13700	1537	2440	2050	19350	2550
8	5900	14820	13200	1566	2440	1900	19169	1850
9	5800	13793	13650	1537	3000	1760	17773	1875
10	6900	13591	12845	1508	3000	1650	15350	2050
11	6700	11950	12010	1478	2700	1550	14610	2000
12	6300	11575	12350	1160	2400	1800	13790	1700
13	6300	12330	11260	1160	2400	1300	12235	1700
14	6200	13200	11250	1137	2040	1200	10850	1700
15	7200	15030	11640	1137	1850	1200	11760	2120
16	7400	17885	10550	977	1560	1200	.....	2050
17	7600	18585	10050	1046	1350	1200	.....	1700
18	8100	15665	8410	1977	1710	1200	.....	2100
19	7300	13591	8510	1685	2600	1350	10065	1875
20	7400	.....	8210	1.37	1650	1350	9560	3350
21	7500	.....	8120	1186	1420	1200	8582	2470
22	7400	18234	7675	1160	1480	1150	8342	2200
23	7900	18117	5900	1226	1420	1260	7730	2250
24	7350	18585	5820	1566	1560	1100	6715	2470
25	7300	21619	5400	1368	1360	1075	6650	1675
26	6500	23560	4990	1342	1210	1050	5712	1940
27	3600	5900	23560	4510	1566	1350	850	5148	1600
28	4100	5300	22900	4510	1114	1210	800	5271	1600
29	3324	4800	20875	3960	1394	1310	800	4500	1290
30	3102	4550	20750	3960	.....	1440	850	3950	1000
31	1960	930	780	4615	775
Mean.	3102	7030	16400	9771	1554	2034	1619	12230	2071

NORTH PLATTE RIVER AT CAMP CLARKE.
Daily mean discharge in cubic feet per second.

DRY.	AUGUST.					SEPTEMBER.				
	1896	1897	1898	1899	1900	1896	1897	1898	1899	1900
1	1316	740	800	3841	625	854	580	80	1077	425
2	1160	835	780	4500	771	1056	565	80	1025	210
3	1160	1160	725	5335	725	738	565	60	725	260
4	1114	1210	600	4903	900	835	580	60	725	260
5	1092	1040	300	4057	600	796	550	65	927	250
6	1114	1160	725	3950	620	816	500	65	1049	270
7	1114	1260	750	3841	630	835	490	80	682	260
8	1160	....	230	3435	550	895	475	80	903	190
9	1046	1400	275	2775	550	1023	475	80	952	425
10	954	2000	230	3100	575	1186	450	200	1025	350
11	854	2000	200	3435	450	1046	459	160	903	390
12	816	1560	160	3235	450	932	450	150	703	340
13	777	1650	150	4111	450	1114	490	150	725	425
14	706	1620	130	2819	480	895	475	160	1000	210
15	722	1420	125	2519	400	854	515	150	952	290
16	628	1270	190	3005	420	816	515	150	1000	230
17	706	1160	150	2960	420	796	530	150	1077	290
18	932	1135	200	2775	400	1114	500	150	1105	290
19	835	1000	190	2476	390	796	540	125	1217	230
20	758	835	150	2391	420	954	515	90	1273	190
21	895	720	125	2027	400	977	490	105	1245	210
22	1069	....	130	2110	400	932	450	105	1189	200
23	....	740	130	1930	450	1046	440	95	1300	180
24	....	645	125	1823	400	1160	450	80	1858	330
25	854	660	125	1930	330	1114	440	110	1487	390
26	816	610	110	1551	380	954	450	115	1245	390
27	777	580	60	1519	230	1092	465	115	1133	310
28	777	610	95	1551	230	875	450	140	1392	310
29	1000	610	95	1519	260	835	465	80	1133	300
30	835	550	95	1189	290	835	410	80	1245	260
31	796	580	90	1189	310	....	....	....	....	....
Mean.	924	1061	266	2834	470	939	491	110	1076	288

NORTH PLATTE RIVER AT CAMP CLARKE.

Daily mean discharge in cubic feet per second.

DAILY	OCTOBER.					NOV.
	1896	1897	1898	1899	1900	1896
1	875	380	110	1329	260	1046
2	932	370	150	1300	200	1137
3	875	400	150	1217	270	1137
4	875	400	160	1189	270	1186
5	932	400	150	1161	230	1212
6	914	410	150	1105	310	1338
7	914	410	160	1456	290	706
8	954	430	160	1161	290	1046
9	1290	430	190	1392	290	1160
10	1069	410	200	1329	270	....
11	1023	475	220	1424	260	....
12	1046	...	220	1245	290	....
13	1023	465	200	1487	300	....
14	1046	450	200	1456	340	....
15	1046	450	190	1646	380	....
16	1046	465	165	1392	340	....
17	1023	465	150	1550	340	....
18	1000	475	150	1392	340	....
19	1046	465	130	1300	380	....
20	1000	515	125	1392	390	....
21	1046	580	365	1894	410	931
22	1023	600	365	....	450	....
23	954	565	375	....	450	....
24	977	555	350	....	450	....
25	977	565	365	....	450	....
26	954	600	390	....	440	....
27	1046	610	425	....	500	....
28	1046	580	420	....	500	....
29	1023	600	410	520
30	1264	600	390	600
31	1023	600	425	520
Mean.	1008	491	245	1372	366	1074

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NORTH PLATTE RIVER AT GERING.

Daily mean discharge in cubic feet per second.

DAY.	APRIL.			MAY.			
	1898	1899	1900	1897	1898	1899	1900
1	1000	.....	.....	.....	4900	11308	10475
2	1000	.....	.....	.....	4200	11308	10190
3	1000	.....	.....	.....	4900	11019	10700
4	1000	.....	.....	.....	5750	8728	12320
5	1000	.....	.....	.....	6500	7793	12000
6	1450	.....	.....	.....	5750	6880	12090
7	1450	.....	.....	.....	4900	6213	10600
8	1450	.....	.....	.....	4900	5843	10260
9	1450	.....	.....	.....	4900	5698	10390
10	1450	3446	.....	.....	4900	5408	9480
11	1450	3155	.....	.....	4200	5265	10400
12	1450	3997	.....	.....	4200	4991	10400
13	2000	6441	.....	.....	3400	6290	11680
14	2000	9708	.....	.....	3400	7144	12200
15	2000	11900	.....	.....	3400	7709	13800
16	2000	13125	.....	.....	4200	9891	14600
17	2700	14080	.....	.....	4900	11209	14600
18	2700	12200	5300	.....	5750	12921	13800
19	2700	12818	4750	.....	6500	14403	12990
20	3400	10638	4400	.....	6500	14295	12380
21	4900	10828	4465	.....	7400	14295	12200
22	5750	9525	4770	.....	7400	13655	12390
23	5750	8045	6600	.....	8250	13023	11310
24	5750	7877	7000	.....	8250	15290	10700
25	5750	7625	6510	.....	7400	12405	10250
26	5750	7961	6390	.....	6500	10447	9870
27	5750	9525	7190	.....	18500	8465	10890
28	6500	12000	8100	.....	17100	8295	11680
29	6500	11900	8190	23360	18500	8550	11800
30	.....	11605	11900	27900	15700	9342	12400
31	.....	.....	.....	24000	14600	11019	13210
Mean.	3165	9448	6582	24753	7345	9649	11671

NORTH PLATTE RIVER AT GERING.

Daily mean discharge in cubic feet per second.

DRY.	JUNE.				JULY.			
	1897	1898	1899	1900	1897	1898	1899	1900
1	18700	12150	11114	13800	4269	5750	18085	5920
2	18700	11150	11209	14200	4269	4900	17250	5110
3	20400	11150	10733	15200	4269	4200	16541	5110
4	24000	10100	10352	16800	3552	3400	16085	5000
5	25900	10100	10352	14300	3552	3000	16200	4200
6	26000	9200	11605	14200	2909	3400	15514	3600
7	24000	9200	15741	13800	2340	2700	15067	3550
8	20400	9200	14625	13400	2340	2000	14625	2960
9	18700	9200	12921	13190	2909	2000	13869	2850
10	17300	8250	12000	13000	3557	2000	12200	2720
11	14300	8250	11700	12500	2340	2000	12818	2200
12	11400	8250	11700	12180	1847	2000	12303	1750
13	8700	7400	13020	12380	1847	2000	11209	1300
14	11400	8250	14187	14200	1428	2700	10542	1400
15	14300	8250	15513	13210	1428	2000	10733	2275
16	14300	10600	17974	11400	1428	2000	10923	1900
17	12650	11150	19190	10600	1428	2000	11114	2390
18	14300	11150	18686	9205	1847	2000	11114	2430
19	14300	10100	17490	8900	2340	2000	10352	4000
20	12650	10100	17600	9310	1428	2000	9708	3190
21	11400	9200	17843	8400	1428	1650	8552	2200
22	7600	8250	18208	7450	1428	1000	7709	2390
23	6600	8250	19694	6650	1428	1000	7224	1950
24	6600	8250	20324	6690	1428	1000	7144	2280
25	5650	8250	23002	6930	1428	1000	6595	2790
26	5650	7400	23500	6710	1428	1000	6213	1700
27	5650	7400	22554	6380	1428	650	5843	1690
28	6600	7400	19820	6380	1428	650	5553	1500
29	5650	6500	19190	5950	1428	650	5266	1200
30	4850	5750	18817	5400	1084	650	4582	1200
31	10 84	4582	1200
Mean.	18622	9028	16025	10717	2140	2110	10823	2688

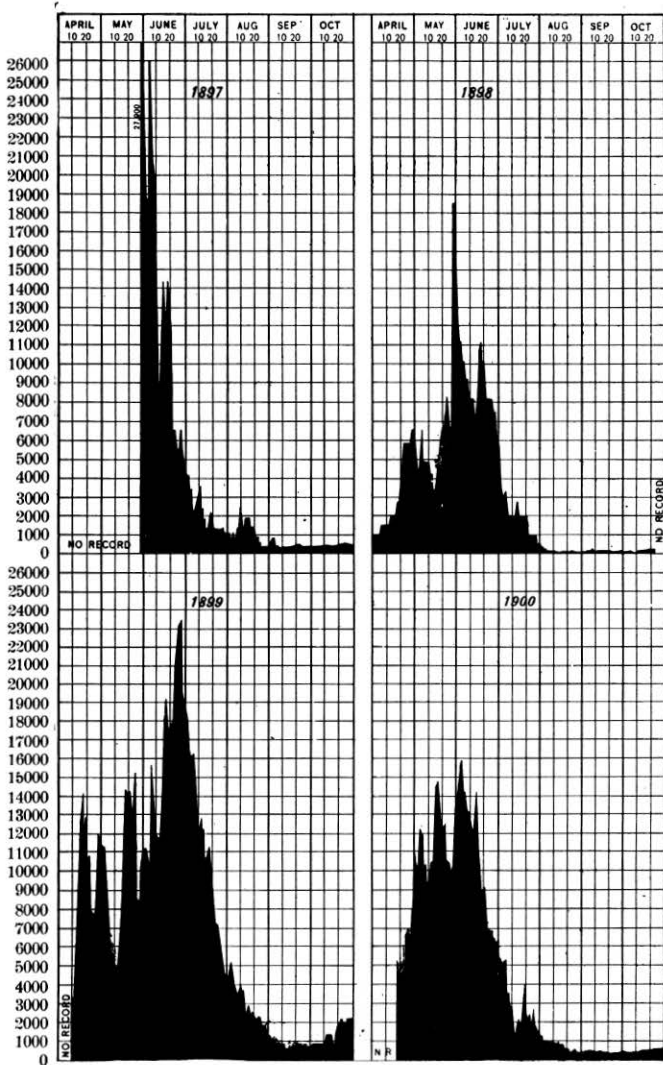
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NORTH PLATTE RIVER AT GEARING.

Daily mean discharge of cubic feet per second.

DAILY	AUGUST.				SEPTEMBER.			
	1897	1898	1899	1900	1897	1898	1899	1900
1	1084	350	4452	1157	815	100	1316	400
2	815	350	4785	1150	815	100	1146	400
3	815	350	5197	1100	815	100	1020	400
4	1084	200	4854	1100	620	100	1062	400
5	815	200	4062	1050	620	50	1104	400
6	815	200	3936	1050	620	50	935	400
7	815	350	3753	1000	620	100	893	400
8	1428	200	3507	950	500	100	851	400
9	1428	200	3446	900	500	200	815	400
10	2340	200	3997	849	500	100	815	400
11	1428	200	3630	800	500	100	815	385
12	1428	100	3690	800	500	100	815	375
13	1428	100	3446	750	500	100	775	375
14	1847	100	2755	750	500	100	584	360
15	1847	100	2543	700	550	100	584	360
16	1847	100	2926	700	500	100	737	360
17	1847	200	2650	600	500	100	622	360
18	1428	200	2489	600	500	100	700	360
19	1428	200	2489	550	500	100	653	360
20	1428	100	2329	550	500	100	893	356
21	815	200	2077	550	500	100	893	360
22	815	200	2026	529	468	100	800	360
23	650	200	2275	500	468	100	854	360
24	620	200	2275	500	468	100	803	360
25	620	100	2275	475	468	100	737	375
26	500	100	1730	450	468	100	775	375
27	500	100	1730	400	468	100	893	375
28	500	100	1684	400	468	100	893	375
29	500	100	1777	400	455	100	700	375
30	500	100	1639	395	455	100	737	375
31	500	100	1454	....	....	....	....	....
Mean.	1093	177	2964	723	537	100	843	378

NORTH PLATE RIVER AT GERING
 Discharge in cubic feet per second, 1897-1900.



NORTH PLATTE RIVER AT GERING.
*Daily mean discharge in cubic
 feet per second.*

DAY.	OCTOBER.			
	1897	1898	1899	1900
1	455	100	893	400
2	455	100	893	400
3	455	100	893	400
4	455	100	893	400
5	455	100	893	400
6	455	150	893	400
7	455	150	893	400
8	455	150	893	400
9	455	150	893	400
10	468	150	893	400
11	468	200	1316	400
12	468	200	1316	400
13	500	200	1316	450
14	500	200	1316	450
15	500	200	1316	450
16	500	200	1316	450
17	550	350	1316	450
18	550	350	900	475
19	550	350	1777	486
20	550	350	1770	399
21	550	350	2000	400
22	550	350	2275	400
23	550	350	2275	425
24	620	.....	2000	425
25	620	.....	2000	425
26	620	.....	2000	450
27	550	.....	2275	450
28	550	2275	475
29	550	2275	475
30	550	2275	500
31	2275	522
Mean.	514	213	1501	431

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REPUBLICAN RIVER AT SUPERIOR.

Daily mean discharge in cubic feet per second.

DAY.	JAN.	FEB.	MAR.	APRIL.			
	1897	1897	1897	1897	1898	1899	1900
1		900				737	703
2	555		636	820		727	718
3						692	648
4				880		682	621
5						780	618
6	600	900	506			753	630
7			506	990		842	628
8				1388		759	580
9				1190		747	565
10			457	1074		728	630
11		900		1095		698	634
12				1190		618	665
13	600			1252		623	856
14				1050		607	759
15		900	516	1095		606	980
16						480	1120
17			385			532	1370
18				1252		529	1226
19		880		1074		522	1015
20	700		425	990	590	470	970
21				945	580	478	1396
22			650	920	940	412	1140
23	900		465	740		414	972
24	900	880		880	885	425	1671
25	900			840	430	375	920
26	900			675	580	407	1035
27	900		457	620	560	434	1087
28	900				560	412	1150
29	900				490	470	1080
30	900			800	520	385	895
31			610				
Mean.	805	893	511	946	613	578	909

REPUBLICAN RIVER AT SUPERIOR.

Daily mean discharge in cubic feet per second.

DAY	MAY.				JUNE.				
	1896	1898	1899	1900	1896	1897	1898	1899	1900
1	665	500	388	850	.....	190	1295	236	532
2	575	1310	363	812	.....	180	1030	274	367
3	500	700	396	785	.....	220	1000	346	408
4	480	710	995	757	.....	220	960	311	306
5	457	765	383	717	.....	180	1000	268	349
6	475	930	366	935	.....	241	1240	256	345
7	445	995	331	1073	.....	370	980	268	307
8	420	1100	394	2945	.....	270	1720	262	290
9	575	960	417	2066	.....	230	1380	238	256
10	600	1210	416	1306	.....	212	1325	245	200
11	470	980	452	1080	.....	750	.....	223	390
12	440	910	442	847	.....	550	1625	213	605
13	420	1170	452	670	.....	.....	1530	209	674
14	370	1310	457	630	.....	.....	1610	493	457
15	360	740	451	566	.....	.....	1565	348	390
16	341	910	499	520	.....	.....	1575	428	430
17	330	870	453	508	.....	.....	1600	266	365
18	305	890	418	460	.....	.....	1380	238	340
19	280	845	407	438	.....	.....	.....	158	349
20	255	1000	735	418	720	490	1430	152	322
21	230	1465	1800	401	600	405	1275	162	326
22	250	1445	873	401	530	320	1040	141	410
23	1130	1350	587	390	551	290	1240	306	450
24	445	930	517	419	441	330	1045	364	390
25	425	890	465	470	450	236	910	241	439
26	395	1050	544	421	1052	.....	710	201	442
27	445	910	436	404	642	.....	750	4036	461
28	280	1015	410	370	673	.....	685	2570	418
29	270	.....	361	365	642	.....	630	1304	369
30	220	1630	334	320	610	.....	560	1174	315
31	180	1170	292	342	.....	.....	.....	.....	.....
Mean.	418	1022	511	735	628	315	1182	531	392

REPORT OF SECRETARY

REPUBLICAN RIVER AT SUPERIOR.

Daily mean discharge in cubic feet per second.

DAY.	JULY.					AUGUST.				
	1896	1897	1898	1899	1900	1896	1897	1898	1899	1900
1	685	555	511	906	250	998	94	210	812	82
2	4300	.....	540	738	240	903	110	230	868	158
3	4850	.....	495	608	267	864	94	215	650	102
4	...	.....	345	574	133	467	90	210	475	81
5	3025	.....	430	590	223	467	110	210	397	100
6	2147	.....	430	743	216	467	330	210	320	134
7	1750	.....	420	837	184	1279	1460	185	345	47
8	1940	.....	420	793	132	730	395	185	247	45
9	1904	.....	530	490	179	1816	390	195	238	83
10	1525	1010	1345	412	294	467	310	185	245	267
11	1325	770	1000	355	225	415	305	165	207	51
12	1165	506	530	327	180	341	390	150	231	39
13	941	350	560	355	139	304	375	155	242	24
14	813	265	910	342	73	268	380	230	350	44
15	720	230	725	302	67	261	101	100	247	.....
16	652	190	560	319	94	228	119	165	229	1278
17	551	190	540	318	102	1395	119	165	378	311
18	570	220	480	304	77	1466	140	150	306	.....
19	552	170	430	237	90	1042	155	160	230	.....
20	532	230	380	293	164	611	212	.....	212	.....
21	530	206	345	371	142	530	171	145	160	.....
22	450	160	420	320	95	790	206	.....	154	.....
23	484	140	340	285	103	695	190	...	156	.....
24	450	165	340	215	123	632	395	380	136	.....
25	441	120	270	234	88	611	341	270	188	.....
26	423	165	295	209	137	522	265	215	258	.....
27	382	165	280	214	87	467	212	205	421	.....
28	374	640	270	238	77	432	180	180	193	.....
29	398	206	270	1384	349	355	165	200	150	.....
30	432	131	220	501	210	333	119	.....	187	.....
31	1004	119	230	316	192	296	105	.....	146	.....
Mean.	1179	294	279	458	159	660	258	195	303	178

REPUBLICAN RIVER AT SUPERIOR.

Daily mean discharge in cubic feet per second.

DAY.	SEPTEMBER.				OCTOBER.				NOVEMBER.	
	1896	1897	1898	1899	1896	1897	1898	1899	1896	1898
1	282	110	.....	102	223	.....	200	27	333	320
2	261	85	.....	78	204	.....	230	42	282	330
3	311	64	.....	90	223	60	165	27	373	340
4	268	.....	.....	52	229	.....	165	54	342	370
5	216	75	.....	49	241	.....	170	38	325	340
6	210	74	410	29	229	.....	165	37	342	340
7	204	64	360	34	210	.....	185	52	333	360
8	197	.....	305	43	191	.....	200	48	415	350
9	204	.....	360	38	204	.....	145	61	406	360
10	268	.....	345	37	191	.....	195	61	441	345
11	325	.....	350	66	233	.....	270	25	398	350
12	304	70	410	56	193	.....	300	24	482	410
13	239	85	285	58	204	.....	290	45	441	415
14	423	60	240	61	191	.....	280	37	476	410
15	239	64	230	41	191	.....	270	32	442	420
16	239	241	185	49	204	75	330	78	532	420
17	275	180	190	6	204	.....	.....	50	512	470
18	406	180	240	58	197	.....	.....	68	476	450
19	296	125	210	45	191	.....	.....	74	390	450
20	303	1330	210	47	204	1142	.....	53	325	.....
21	268	82	470	16	223	1160	.....	101	357	.....
22	296	75	410	49	268	1130	.....	25	382	.....
23	311	.....	380	48	229	1160	325	101	415	.....
24	232	64	270	41	217	.....	295	40	365	.....
25	223	70	275	45	229	1010	290	65	941	.....
26	.....	.....	240	71	217	1070	295	63	1137	.....
27	268	.....	220	60	229	.....	265	90	450	.....
28	254	.....	220	62	223	.....	330	78	459	.....
29	239	.....	215	25	415	.....	320	.....	.....	.....
30	282	82	205	31	382	.....	365	54	493	.....
31	.....	.....	.....	.....	365	.....	330	81	.....	.....
Mean.	279	149	289	50	231	886	255	53	449	381

REPORT OF SECRETARY

FRENCHMAN RIVER AT PALISADE.

Daily mean discharge in cubic feet per second.

DAY.	MAR.	APR.	MAY.		JUNE.	
	1895	1895	1895	1896	1895	1896
1	118	107	123	200	600	92
2	112	105	144	140	215	89.2
3	107	112	123	140	171	89.2
4	118	115	130	130	130	89.2
5	118	118	130	140	188	86.5
6	118	140	146	123.5	150	85
7	107	150	140	120.5	142	82.3
8	100	150	134	116.6	122	79.5
9	102	156	132	116.6	122	79.5
10	102	150	128	116.6	130	78
11	107	147	128	118	229	76.6
12	102	146	130	108.5	128	74
13	104	147	130	104.3	109	74
14	104	146	130	104.3	104	69.7
15	104	144	125	103	104	65.5
16	104	144	123	116.5	109	61.4
17	104	142	125	112.3	118	60
18	101	144	125	113.6	109	50.5
19	109	146	128	110	104	51.3
20	109	147	134	107	94	53
21	107	150	130	100.2	109	71.2
22	102	156	125	103	99	66.8
23	100	140	125	105.7	94	116.5
24	100	134	125	104.3	84	93.4
25	99	140	130	100.2	89	101.5
26	98	134	118	100.2	69	103
27	100	122	118	98.8	58	93.4
28	100	122	137	98.7	50	87
29	102	118	111	97.2	65	89.2
30	100	130	111	92	84	800
31	102	.....	158	105.7	.....	.....
Mean.	105.3	137	129	114.4	131	103.6

STATE BOARD OF IRRIGATION

FRENCHMAN RIVER AT PALISADE.

Daily mean discharge in cubic feet per second.

DAY.	JULY.		AUGUST.		SEPTEMBER.	
	1895	1896	1895	1896	1895	1896
1	94	110.2	85	79.5	68	81
2	94	110.2	95	76.6	68	78
3	84	109.8	130	75.3	71	78
4	74	112.3	101	75.3	74	83.6
5	69	109.8	85	74	77	86.6
6	69	107	85	72.6	71	81
7	79	103	85	74	71	83.6
8	142	92	79	71.2	71	76.6
9	51	85	85	71.2	71	76.6
10	69	83.6	71	69.7	71	81
11	94	83.6	74	66.8	74	81
12	94	85	74	64.1	71	76.6
13	84	87.8	437	64.1	68	83.6
14	580	90.6	216	62.8	71	83.6
15	239	92.7	85	64.1	71	83.6
16	195	105	85	64.1	71	81
17	154	93.4	85	83.6	74	83.6
18	135	90.6	82	81	79	83.6
19	121	89.2	77	78	77	81
20	111	89.2	77	81	79	81
21	113	86.5	64	85	85	81
22	580	85	66	92	88	83.6
23	513	86.5	71	83.6	91	81
24	203	86.5	71	81	95	83.6
25	174	86.5	71	83.6	91	83.6
26	143	87.8	74	83.6	91	89.2
27	135	87.8	71	81	85	83.6
28	117	86.5	71	76.6	88	83.6
29	104	85	68	72.6	95	83.6
30	101	82.3	71	81	98	81
31	91	79.5	71	76.6
Mean.	158.3	93.8	95.5	75.7	78.4	81.6

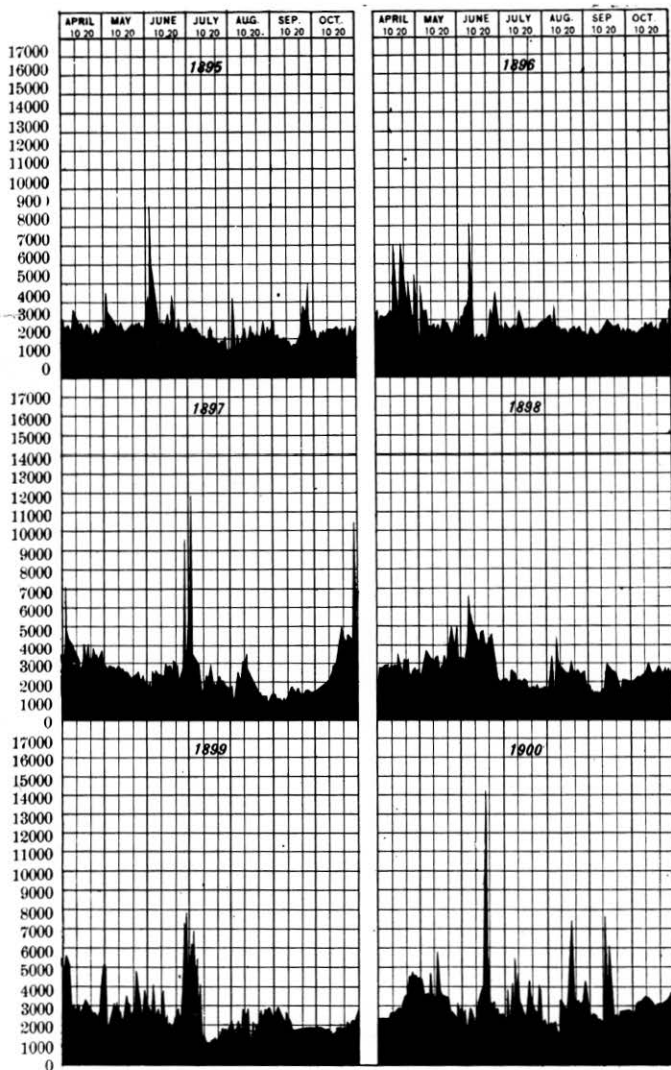
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FRENCHMAN RIVER AT PALISADE.

*Daily mean discharge in cubic feet
per second.*

DAY	OCTOBER			NOV.	DEC.
	1894	1895	1896	1894	1894
1	.....	101	81	118	91.3
2	.....	.....	83.6	110.5	96.6
3	.....	.....	86.5	107.5	102
4	.....	.....	89.2	110.5	107.5
5	.....	104	89.2	110.5	99.3
6	.....	.....	87.8	104.5	96.3
7	.....	.....	83.6	102	99.3
8	.....	107	81	104.5	104.5
9	.....	.....	81	104.5	104.5
10	.....	.....	76.6	99.3	107.5
11	.....	.....	76.6	99.3	104.5
12	.....	107	81	102	107.5
13	.....	.....	81	96.6	110.5
14	102	.....	76.6	102	110.5
15	104.5	107	81	99.3	125
16	110.5	.....	83.6	110.5	118.5
17	107.5	.....	83.6	99.3	96.6
18	110.5	.....	83.6	104.5	88.7
19	102.5	111	87.8	110.5	93.8
20	99.3	.....	86.5	99.3	75.9
21	96.6	.....	89.5	104.5	83.5
22	102	117	83.6	104.5	83.5
23	99.3	.....	83.6	107.5	78.4
24	107.5	.....	83.6	110.5	78.4
25	110.5	.....	81	99.3	75.9
26	110.5	123	81	96.6	.....
27	113	.....	76.6	99.3	.....
28	125	.....	76.6	96.6	.....
29	122	121	81	122	.....
30	122	.....	.....	110.5	.....
31	118.5	.....	.....	.....	.....
Mean.	109	111.4	82.5	104.6	97.2

LOUP RIVER AT COLUMBUS.
Discharge in cubic feet per second, 1895-1900.



LOUP RIVER AT COLUMBUS.

Daily mean discharge in cubic feet per second.

DAY.	APRIL.					
	1895	1896	1897	1898	1899	1900
1	3070	3205	.....	2190	.....	2380
2	3000	3558	.....	2730	4251	2380
3	2670	3205	7125	2700	4871	2380
4	2660	2945	.....	2730	5526	2 80
5	2700	3126	.....	2800	5195	2380
6	2520	3048	.....	2850	3127	2380
7	2675	3126	.....	2960	2869	2380
8	3675	3205	3950	2850	3127	2406
9	3450	3338	3650	2700	2995	2430
10	3320	3393	3450	2820	2869	2548
11	3150	3365	3075	2800	3100	2546
12	2950	4430	2775	2960	2819	2597
13	2730	6950	3325	2860	2549	2894
14	2840	5795	4100	3520	2768	2945
15	2625	4650	3625	3375	3258	2945
16	2650	3725	3500	3125	3476	3048
18	2875	4160	3675	2820	3285	3153
18	2800	4650	4075	2675	3100	3232
19	2725	7018	3250	3150	2793	3367
20	2650	5938	3225	3050	2500	3670
21	2303	5157	3275	3150	2476	4588
22	2400	4017	3950	2550	2453	4619
23	2500	5032	3800	2425	2694	4650
24	2520	5060	3575	2400	2453	4744
25	2450	3205	3550	2520	2336	4619
26	2440	3126	3375	2775	2476	4619
27	2440	3100	3050	2630	2743	4619
28	2490	5326	2725	2600	3811	4619
29	2640	3613	2675	2650	4131	4464
30	2550	1970	3040	2500	5064	4464
31
Mean.	2753	4081	3443	2793	3279	3352

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LOUP RIVER AT COLUMBUS.

Daily mean discharge in cubic feet per second.

DAY.	MAY.					
	1895	1896	1897	1898	1899	1900
1	2840	4807	2750	2425	3586	4130
2	4360	4220	2675	2425	2694	3811
3	4420	4220	2850	2550	1911	3642
4	3590	3897	2850	3075	2152	3670
5	3290	3312	2850	3775	2646	3699
6	3180	3390	2800	3625	2768	3586
7	2930	3048	2750	3530	3047	3670
8	2850	2768	2775	3400	2793	4650
9	2750	2694	2775	3800	3312	4557
10	2675	2743	2875	3175	2894	3670
11	2690	2867	2675	3350	2743	3503
12	2800	2621	2675	3425	2359	3476
13	2740	2728	2575	3282	2453	5729
14	2700	2892	2525	3050	2694	4161
15	2600	2645	2525	2700	3530	3985
16	2620	3022	2500	2800	3100	3699
17	2710	3022	2425	2850	3049	3614
18	2770	2945	2375	3375	2549	3558
19	2820	2892	2350	3175	2646	3563
20	2830	2892	2225	3500	2768	3340
21	2730	2832	2250	4150	3670	2793
22	2820	2670	2300	4250	4871	2719
23	2850	2621	2500	4400	4072	2670
24	2800	2455	2575	5100	3699	2646
25	2880	2358	2000	4200	....	2382
26	2740	2310	2225	4975	....	2476
27	2750	2621	2100	4450	....	3073
28	2750	2645	2300	4150	....	2814
29	2650	2867	2175	3525	3869	2869
30	3350	2917	2025	3550	....	2573
31	3470	2621	1850	3250	....	....
Mean.	2966	2985	2503	3509	3035	3489

LOUP RIVER AT COLUMBUS.

Daily mean discharge in cubic feet per second.

DAY.	JUNE.					
	1895	1896	1897	1898	1899	1900
1	4380	2694	1975	3375	.....	2920
2	4000	3126	1800	3300	2945	2549
3	9090	3153	1800	3525	.....	2085
4	7190	3205	2675	3900	2646	2020
5	5580	3613	2350	5600	.....	2970
6	4775	....	2675	6675	4043	2844
7	3800	....	2500	5750	.....	2670
8	3420	8000	2500	5600	.....	2430
9	3010	3441	2500	5375	.....	2197
10	2780	3073	2425	5000	.....	2154
11	2900	1991	2425	4600	3727	3375
12	2835	2203	2600	4325	.....	3450
13	3176	2063	2800	4450	.....	3535
14	3384	2086	2775	4550	.....	3650
15	3205	2106	2800	4600	.....	4060
16	2822	2180	2850	4450	2040	4350
17	3205	2106	2850	4400	.....	14300
18	4264	1991	2775	4050	1804	6650
19	4296	1928	3150	4050	.....	5615
20	3950	2406	3000	4100	.....	3075
21	3039	2867	2575	4325	2743	2985
22	2562	3338	2350	4550	.....	3855
23	3011	3725	2200	4100	.....	2700
24	2850	3258	2175	3025	3985	2715
25	2337	4160	2275	2425	.....	2575
26	2361	4494	2525	2275	7287	2690
27	2337	3021	9550	2175	.....	2575
28	2588	2743	4000	2120	7713	2520
29	2562	2670	3600	2000	2500
30	2690	2621	4250	2100	2390
31
Mean.	3591	3009	2891	4026	3893	3493

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LOUP RIVER AT COLUMBUS.

Daily mean discharge in cubic feet per second.

DAY.	JULY.					
	1895	1896	1897	1898	1899	1900
1	2822	2817	11825	2025	6289	2320
2	2849	2694	5350	2025	....	3860
3	2613	2832	3525	1925	6984	2460
4	2562	2792	3800	1975	....	4235
5	2588	2670	3050	2425	5459	3410
6	2562	2597	2975	2530	....	5380
7	2434	2500	2025	2400	4191	3860
8	2240	2572	1750	2400	....	4300
9	2288	2768	1650	2200	....	4550
10	2027	2621	1850	2025	1188	3615
11	2074	3670	2075	2075	....	3490
12	2051	3258	2375	2050	596	3050
13	1980	3048	2300	20.0	931	2900
14	2361	2892	2225	2100	998	2490
15	2562	2525	2975	2100	1082	2370
16	2337	2334	2650	2030	1014	3200
17	2191	2334	2050	2025	1315	4150
18	2074	2310	2050	1865	1334	4210
19	2004	2406	1850	1780	1135	3740
20	1980	2406	2250	1700	1170	3120
21	1824	2455	2325	1725	1260	2820
22	1736	2420	2150	1700	1465	2800
23	1758	2482	2075	1825	1784	2700
24	1846	2482	2050	1650	1682	3900
25	1957	2596	1975	1820	1702	4030
26	1935	2727	1975	1630	1661	3775
27	2004	2945	1850	1680	1661	2150
28	1588	2970	1650	1680	1682	2350
29	1567	2970	1625	1700	1702	2000
30	1523	2970	1600	1750	2265	1980
31	1446	3021	1725	1680	2040	2000
Mean.	2122	2712	2616	1946	2104	3265

LOUP RIVER AT COLUMBUS.

Daily mean discharge in cubic feet per second.

DAY.	AUGUST.					
	1895	1896	1897	1898	1899	1900
1	1525	3100	1600	1650	1805	2230
2	1546	3203	1450	1725	1702	2300
3	1546	3258	1350	1820	1581	2090
4	4104	3258	1275	2600	1682	2075
5	1588	3021	1675	3450	2312	2075
6	2264	2868	2500	1725	3258	2125
7	1957	3811	2225	4325	3153	1610
8	1891	3338	2400	3500	2894	1800
9	1846	2668	3025	3175	2995	3175
10	2074	2620	3050	2900	2869	3350
11	2562	2620	3275	2725	2597	3050
12	2408	2384	2725	2625	2970	2800
13	1891	2429	2500	2550	1484	2900
14	1980	2482	2375	2460	1278	2850
15	2743	2429	2125	2440	2063	3419
16	2796	2382	1950	2475	1445	6290
17	2280	2288	1800	2675	1825	6700
18	2288	2382	1600	3050	1868	7350
19	2191	2406	1500	2950	2018	6200
20	2240	2454	1450	2675	2265	3300
21	2191	2502	1425	2550	2719	3220
22	2097	2454	1275	2600	2476	3200
23	2434	2596	1325	2530	2622	3100
24	2743	2596	1800	2500	2743	3220
25	2902	2502	1275	2490	2768	3710
26	2664	2358	1325	2490	2743	3950
27	2264	2288	1200	2490	2793	4310
28	2536	2264	1100	2300	2768	4230
29	2460	2264	1275	2050	2524	3750
30	2313	2180	1300	1950	2312	3200
31	2613	2106	1425	1850	2549	2955
Mean.	2289	2629	1812	2558	2357	3436

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LOUP RIVER AT COLUMBUS.

Daily mean discharge in cubic feet per second.

DAY.	SEPTEMBER.					
	1895	1896	1897	1898	1899	1900
1	3011	2063	1350	1800	2793	2575
2	2875	2150	1275	1715	2945	2610
3	2410	2264	1175	1620	2819	2650
4	2191	2455	1175	1600	2819	2500
5	2191	2430	1050	1575	2573	2600
6	1957	2287	1075	1520	2335	2490
7	1913	2170	1150	1500	2220	2440
8	1935	2063	1000	1500	2085	2450
9	2027	2063	1075	1460	2793	2400
10	1913	2170	1350	1600	2549	2375
11	1891	2287	1525	1620	2312	7600
12	1758	2572	1625	1700	2085	4600
13	1736	2694	1650	2470	1975	5510
14	1673	2867	1625	2950	1847	6090
15	1736	2968	1625	2730	1847	5510
16	1715	2968	1550	2650	1847	4000
17	1957	2832	1700	2700	1847	3150
18	2074	2694	1550	2490	1847	2650
19	2121	2548	1475	2490	1868	2680
20	2121	2597	1450	2350	1868	5510
21	2822	2645	1425	2200	1868	2710
22	3793	2670	1450	1870	1868	2790
23	3465	2728	1475	1700	1890	2850
24	4264	2524	1550	1925	1890	2820
25	4995	2370	1600	2080	1890	2850
26	2849	2334	1625	2080	1910	2870
27	2536	2370	1600	2080	1911	2930
28	2337	2406	1550	2075	1911	2900
29	2239	2310	1550	2025	1911	2930
30	23.2	2287	1550	2025	1933	2790
31	.....	.....	.....	.....	.....	.....
Mean.	2427	2460	1427	2003	2135	3354

LOUP RIVER AT COLUMBUS.

Daily mean discharge in cubic feet per second.

DAY.	OCTOBER.						NOVEMBER.		
	1895	1896	1897	1898	1899	1900	1895	1898	1900
1	2239	2402	1600	2025	1933	2900	2562	2800	2875
2	2144	2380	1650	2075	1933	2930	2613	2675	2790
3	2004	2287	1675	2080	1954	3010	2664	2550	2630
4	1913	2287	1675	2225	1954	3050	2822	2450	2390
5	2312	2240	1750	2175	1945	3100	2928	2450	2400
6	2288	2287	1800	2200	1911	3150	2822	2550	2350
7	2433	2358	1900	2225	1890	3300	2875	2550	2300
8	2337	2477	1925	2200	1825	3300	2955	2675	2375
9	2288	2548	1975	2325	1764	3352	3011	2800	2450
10	2433	2548	2075	2375	1682	3400	3011	2800	2550
11	2488	2694	2350	2600	1581	3350	3067	2900	2750
12	2434	2817	2725	2900	1445	3300	3132	2825	2820
13	2485	2817	2825	2725	1315	3250	3178	.....	2975
14	2485	2768	2850	2500	1581	3240	3292	.....	2900
15	2562	2832	2950	2425	1954	3175	3378	.....	2940
16	2690	2743	3125	2400	1784	3125	3523	.....	2870
17	2536	2645	3375	2425	1954	3020	3643	.....	3150
18	2460	2645	4700	2450	1911	2975	3378	.....	.....
19	2485	2621	4800	2650	1764	3020	3095	.....	.....
20	2536	2597	4375	2800	1620	3100	2928	.....	.....
21	2485	2817	4325	2650	1682	*3100	2822	.....	.....
22	2562	2918	4250	2550	2175	*3200	2875	.....	.....
23	2113	2945	4200	2525	2018	*3200	2690	.....	.....
24	2636	3022	4500	2425	2085	*3300	.....	.....	.....
25	2390	2945	4250	2775	2040	*3400	.....	.....	.....
26	2690	2968	4200	2525	2108	*3500	.....	.....	.....
27	2613	3022	4800	2725	2153	*3600	.....	.....	.....
28	2511	2832	10400	2725	2085	3700	.....	.....	.....
29	2434	3022	4875	2650	2242	3675	.....	.....	.....
30	2536	3585	4750	2550	2500	3175	.....	.....	.....
31	3613	3613	.....	2900	2524	3020	.....	.....	.....
Mean.	2450	2732	3422	2477	1914	2738	3011	2669	2738

*Discharge from Oct. 21-27 inclusive has been interpolated, the record of gage heights being not available.

REPORT OF SECRETARY

NORTH LOUP RIVER AT ST. PAUL.

Daily mean discharge of cubic feet per second.

DAY.	APRIL.			MAY.			
	1896	1897	1899	1895	1896	1897	1899
1	1076	.....	.....	.....	1521	1250	1310
2	1139	.....	.....	.....	1455	1220	1270
3	980	.....	.....	.....	1233	1180	1226
4	1078	.....	.....	.....	1263	1210	1184
5	844	.....	.....	1520	1263	1180	1166
6	987	.....	.....	1486	1139	1180	1099
7	1139	.....	.....	1421	1047	1190	1610
8	987	.....	.....	1293	987	1140	1590
9	909	.....	.....	1137	1139	1160	1330
10	844	.....	.....	1293	987	1100	1251
11	844	.....	.....	1618	901	1100	1192
12	2519	.....	.....	1421	958	1080	1064
13	1962	.....	.....	1293	901	1060	966
14	1455	.....	.....	1293	920	1110	957
15	1553	.....	.....	1293	901	1080	915
16	1263	.....	.....	1137	1078	1080	932
17	1455	.....	.....	1137	1203	1050	940
18	3767	.....	1680	1168	987	1030	915
19	1962	.....	1610	987	873	1020	867
20	1293	1280	1630	1047	987	1030	907
21	958	1320	1500	987	844	1020	1490
22	958	1360	1490	842	901	1020	1280
23	1048	1400	1430	871	958	1030	1156
24	958	1230	1470	842	930	1030	1146
25	901	1210	1470	929	901	1030	1127
26	844	1130	1380	842	702	1040	1127
27	779	1140	2925	871	2327	1040	1064
28	1139	1170	2356	929	759	1010	1064
29	1962	1210	1940	871	570	970	1090
30	1618	1210	1350	1962	702	940	1071
31	1618	873	915	1080
Mean.	1305	1242	1710	1189	1040	1080	1141

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NORTH LOUP RIVER AT ST. PAUL.

Daily mean discharge in cubic feet per second.

DAY.	JUNE.				JULY.			
	1895	1896	1897	1899	1895	1896	1897	1899
1	1453	1698	880	1056	1017	1138	1680	2250
2	1456	1455	905	1040	958	1110	1360	1600
3	3766	1139	940	1056	1107	1120	1890	1166
4	1952	1139	990	1040	958	1080	1030	1090
5	1787	1170	960	1040	900	1080	1030	1090
6	1357	4100	930	1040	842	1072	890	1016
7	1453	2825	900	1000	1047	1100	860	983
8	1453	1540	920	1016	958	1128	800	983
9	1618	1840	890	1008	987	1460	690	992
10	1453	1260	860	975	987	1350	740	1000
11	1618	1837	850	1000	987	1200	750	1048
12	1618	1290	840	983	958	1128	740	966
13	1357	1270	840	982	1077	1120	780	932
14	1387	1230	930	891	1107	1128	740	899
15	1293	1200	970	883	1107	1090	690	1510
16	1357	1165	960	915	987	1048	620	1660
17	1757	1155	905	949	900	1032	720	1410
18	1618	1147	990	957	842	1056	680	1300
19	987	1257	930	957	814	1072	780	1147
20	1137	1330	900	949	842	064	700	810
21	987	1540	740	924	702	1032	680	827
22	987	1930	1430	949	842	1008	650	750
23	1047	1590	1230	974	842	1016	670	759
24	1077	1530	1050	1700	842	1056	680	736
25	987	1560	940	1400	702	991	690	736
26	1047	1370	720	1200	675	1184	670	767
27	1230	1370	....	7500	620	983	770	759
28	1325	1300	1770	5050	437	156	670	701
29	1137	1212	1200	3700	566	923	650	672
30	1200	1184	2550	2900	566	1184	610	743
31	....	....	....	...	620	1155	620	759
Mean.	1531	1494	1032	1533	864	1102	824	1034

REPORT OF SECRETARY

NORTH LOUP RIVER AT ST. PAUL.

Daily mean discharge in cubic feet per second.

DAY.	AUGUST.				SEPTEMBER.			
	1895	1896	1897	1899	1895	1896	1897	1899
1	702	1072	640	743	987	860	610	949
2	842	992	620	767	987	843	610	940
3	900	957	620	776	842	835	690	966
4	1293	992	620	1201	648	883	650	818
5	1047	974	670	1500	702	890	650	851
6	987	949	630	1380	758	908	680	915
7	900	915	900	1340	702	932	690	1128
8	702	932	790	1300	987	883	690	1156
9	1618	957	770	1184	702	851	600	1048
10	1453	860	780	1119	900	883	1100	1008
11	900	850	740	1218	871	860	800	949
12	702	890	690	1072	702	908	780	915
13	1618	900	670	1243	702	932	770	899
14	1137	883	690	1201	648	1016	740	875
15	987	900	670	1024	1077	1000	720	867
16	1077	867	570	1032	1351	883	720	891
17	987	875	720	975	1047	908	690	818
18	758	900	730	907	1107	957	690	835
19	702	843	690	975	929	1016	690	793
20	675	835	670	1000	1137	983	700	793
21	702	867	670	1040	1047	940	700	793
22	702	890	650	1008	3991	890	680	801
23	1787	875	690	1000	1787	867	690	793
24	1389	890	640	975	1293	932	690	835
25	702	867	630	966	1293	923	690	818
26	648	867	610	958	1262	949	710	801
27	593	867	590	966	1200	923	670	818
28	842	850	610	915	1137	923	680	843
29	702	900	650	907	1017	890	670	843
30	1453	883	630	915	987	923	700	867
31	987	890	590	915	.....	.....	.....	.....
Mean.	984	904	675	1049	1094	913	705	888

NORTH LOUP RIVER AT ST. PAUL.

Dai'y mean discharge in cubic feet per second.

DAY.	OCTOBER.				NOV.
	1895	1896	1897	1899	1895
1	1137	949	740	118	987
2	1137	965	740	867	1857
3	1231	915	760	843	1293
4	1293	932	720	843	1293
5	1293	932	720	859	1293
6	1453	923	740	818	1200
7	1293	923	770	801	1262
8	1262	940	770	801	1200
9	1231	940	800	883	1137
10	1293	940	820	907	1047
11	1293	940	820	867	987
12	1293	965	820	827	987
13	1293	983	860	859	900
14	1325	949	900	843	758
15	1293	949	920	1300	842
16	1351	949	1000	1251	842
17	1389	923	1260	1201	702
18	1293	915	1210	958	758
19	1293	965	1020	921	702
20	1040	965	1130	924	702
21	958	949	1080	883	566
22	987	923	1080	867	....
23	987	940	1100	883	....
24	900	923	1100	883	....
25	928	888	1200	899	....
26	928	837	1210	883	....
27	842	880	1230	921	....
28	900	940	1230	907	....
29	842	1220	1290	867
30	900	1220	1320	859
31	842	1120	867
Mean.	1146	958	979	907	1015

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MIDDLE LOUP RIVER AT ST. PAUL.

Daily mean discharge in cubic feet per second.

DAY.	APRIL.			MAY.			
	1896	1897	1899	1895	1896	1897	1899
1	1490	.....	.....	.....	1440	1210	877
2	1360	.....	.....	.....	1300	1270	907
3	1060	.....	.....	.....	1150	1290	818
4	1020	.....	.....	.....	1230	1350	945
5	1030	.....	.....	1380	1050	1380	1050
6	900	.....	.....	1325	900	1410	970
7	1020	.....	.....	1254	1015	1360	1043
8	1170	.....	.....	1117	870	1410	1240
9	1310	.....	.....	1018	1360	1490	1119
10	1200	.....	.....	1018	1015	1440	1110
11	1050	.....	.....	1066	890	1440	1092
12	1800	.....	.....	1083	1030	1360	1101
13	1700	.....	.....	1151	1080	1410	1110
14	1230	.....	.....	1168	1150	1360	1101
15	1310	.....	.....	1134	1080	1200	1035
16	1330	.....	.....	1100	1440	1200	1083
17	1060	.....	.....	1151	1300	1200	1101
18	2000	.....	900	1134	1260	1300	1203
19	2430	.....	900	1134	1165	1240	1137
20	1730	.....	1020	1202	1210	1180	1137
21	1070	1780	1005	1185	1310	1350	1183
22	910	1780	1020	1185	1080	1150	1518
23	1170	1540	958	1151	1170	1260	1327
24	1210	1769	971	1151	1080	1180	958
25	1340	1880	998	1202	1170	1210	907
26	1000	1720	976	1219	1210	1160	834
27	1190	1730	1083	1151	1200	1250	877
28	1300	1620	1372	1050	1000	1190	938
29	1860	1800	1013	933	1215	1140	784
30	1860	1420	856	1334	1070	1060	706
31	.....	.....	.....	1666	1345	1055	796
Mean.	1364	1697	1019	1173	1154	1274	1036

MIDDLE LOUP RIVER AT ST. PAUL.

Daily mean discharge in cubic feet per second.

DAY.	JUNE.				JULY.			
	1895	1896	1897	1899	1895	1896	1897	1899
1	1520	1720	1030	706	1100	1315	1800	855
2	2200	1550	1040	628	1050	1240	1740	780
3	3065	1430	1240	610	1000	1270	1220	785
4	2987	1460	1140	667	1000	1270	955	820
5	2300	1290	1130	684	1066	1270	805	1420
6	1723	1215	960	616	967	1195	866	1920
7	1307	.....	1015	634	950	1080	845	1300
8	1117	2250	1000	579	933	960	815	1035
9	1032	1775	990	568	835	1333	800	861
10	1117	1515	1005	547	820	1770	865	843
11	1151	1400	1080	883	787	1420	870	835
12	1185	1465	1020	860	755	1270	915	888
13	1134	1300	960	938	820	1300	880	1800
14	1117	1300	960	931	1018	1100	800	1250
15	1132	1560	1000	925	933	1040	780	1155
16	1166	1590	970	931	850	1050	815	998
17	1393	1540	990	919	771	1110	780	895
18	1570	1485	970	913	614	1170	790	856
19	1307	1560	945	860	678	1160	780	856
20	1254	1470	860	843	694	1170	805	843
21	1202	1660	870	938	694	1260	770	856
22	1066	1650	895	951	771	1220	745	865
23	917	1580	905	919	850	1210	755	895
24	933	1795	860	919	933	1300	735	847
25	967	1820	870	951	900	1300	720	833
26	850	1645	970	1400	885	1450	715	856
27	820	1505	1005	3900	850	1540	670	1020
28	1050	1417	920	2610	771	1480	660	958
29	1254	1315	905	1800	835	1320	690	.....
30	1151	1455	2600	1155	787	1280	685	925
31	771	1670	660	1184
Mean.	1396	1542	1037	1443	861	1271	865	1007

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MIDDLE LOUP RIVER AT ST. PAUL.

Daily mean discharge in cubic feet per second.

DAY.	AUGUST.				SEPTEMBER.			
	1895	1896	1897	1899	1895	1896	1897	1899
1	803	1685	605	1035	1134	806	670	1074
2	785	1550	625	964	1018	806	650	1057
3	787	1450	625	1005	1000	854	602	1074
4	771	1200	620	2133	933	914	615	964
5	767	1210	685	1659	917	818	620	938
6	787	1125	700	1619	850	962	855	964
7	803	955	685	1568	803	782	600	938
8	835	942	755	1468	740	794	585	1005
9	614	900	745	1593	740	806	600	1035
10	630	955	885	1137	707	974	690	1050
11	820	980	707	1092	645	1058	685	1050
12	787	942	720	1074	614	1010	700	1035
13	1168	840	700	1043	662	1034	705	1013
14	1117	885	690	1146	645	1190	695	990
15	1343	870	685	1294	630	1142	705	1028
16	1325	890	670	1261	770	1070	700	1028
17	1117	810	655	1212	803	1058	680	1110
18	950	890	645	1203	820	1000	675	1092
19	933	870	660	1174	850	1058	690	1074
20	950	955	650	1119	755	1118	685	1028
21	787	984	660	1110	1134	1130	695	1028
22	803	1000	655	1065	1220	1046	705	1028
23	1270	880	670	1110	1950	1015	710	1028
24	985	840	660	1119	1270	926	705	1005
25	1000	880	620	1058	985	985	700	998
26	1168	820	610	1083	833	1034	720	983
27	1151	760	615	1050	740	1034	705	1005
28	1168	820	605	1013	695	1106	720	998
29	1134	855	660	983	740	1154	670	983
30	1290	746	685	990	662	1094	695	971
31	1117	720	690	1035	.....	.....	.....	.....
Mean.	973	975	672	1227	877	993	674	1019

MIDDLE LOUP RIVER AT ST. PAUL.
Daily mean discharge in cubic feet per second.

DAY.	OCTOBER.				NOV.
	1895	1896	1897	1899	1898
1	662	970	710	983	1066
2	644	1022	705	958	967
3	622	914	735	1070	933
4	740	880	765	1057	933
5	803	985	785	1083	1000
6	850	1010	770	1110	933
7	803	930	770	1083	.....
8	803	1000	790	1057	.....
9	835	914	795	1074	.....
10	695	1046	870	1074	.....
11	755	1082	900	1057	.....
12	740	1010	900	1083	.....
13	707	974	870	1074	.....
14	803	1034	960	1110	.....
15	883	1110	965	1101	.....
16	883	962	1040	1193	.....
17	840	974	1140	1174	.....
18	787	1000	1170	1193	.....
19	771	1070	1170	1128	.....
20	740	1106	1150	1110	.....
21	771	1010	1140	1119	.....
22	820	1082	1200	1128	.....
23	820	1000	1290	1119	.....
24	967	1070	1340	1110	.....
25	967	985	1370	1155	.....
26	967	1094	2130	1128	.....
27	1000	1070	2800	1155	.....
28	1100	1010	1960	1146	.....
29	1220	1370	1760	1174
30	900	1478	1440	1193
31	1100	1106	1840	1193
Mean.	840	1041	1169	1077	972

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SOUTH FORK OF ELKHORN RIVER AT NORFOLK.
Daily mean discharge in cubic feet per second.

DAY.	APRIL.			MAY.			
	1898	1899	1900	1897	1898	1899	1900
1	500	.....	390	940	410	515	1180
2	495	.....	380	840	405	660	1210
3	495	.....	432	780	460	562	1190
4	490	.....	343	740	460	700	1210
5	490	.....	343	680	490	788	1200
6	490	.....	340	660	515	788	1280
7	465	490	330	620	565	694	1150
8	470	477	318	620	550	647	2400
9	460	490	352	720	565	594	830
10	455	502	367	630	565	567	840
11	455	532	340	590	530	528	670
12	473	536	350	560	490	480	624
13	480	553	340	560	480	460	600
14	480	553	330	540	490	431	545
15	480	545	346	530	560	435	545
16	480	523	390	500	455	423	526
17	473	523	648	500	455	404	545
18	480	519	565	500	530	374	490
19	485	528	560	460	525	400	485
20	490	490	568	440	840	1700	465
21	480	519	563	430	830	1750	445
22	460	477	580	420	790	1500	440
23	455	469	650	420	730	772	440
24	460	464	840	390	760	780	380
25	440	464	850	385	1470	868	385
26	425	477	910	370	1320	905	383
27	415	502	1080	370	1300	953	400
28	405	515	1280	350	1170	858	395
29	399	490	1570	340	1160	580	360
30	410	427	1210	320	1045	519	370
31	.....	.....	.....	330	895	464	367
Mean.	462	503	586	533	730	713	721

SOUTH FORK OF ELKHORN RIVER AT NORFOLK.

Daily mean discharge in cubic feet per second.

DAY	JUNE.				JULY.				
	1897	1898	1899	1900	1896	1897	1898	1899	1900
1	330	860	469	465	.....	320	435	820	225
2	370	800	456	492	.....	325	430	633	230
3	370	730	419	513	.....	290	350	532	225
4	355	1060	392	445	.....	285	400	408	213
5	340	.....	392	428	.....	260	405	448	220
6	340	.....	404	370	.....	240	405	439	215
7	340	.....	660	383	.....	240	410	419	188
8	320	.....	553	358	.....	220	430	431	188
9	310	.....	431	290	.....	220	420	416	190
10	310	.....	396	320	.....	325	405	439	180
11	305	.....	370	430	.....	380	400	439	145
12	290	.....	370	358	.....	290	380	460	160
13	290	.....	334	290	.....	260	370	423	153
14	290	1380	334	290	.....	255	350	408	150
15	290	1140	340	265	.....	240	340	370	294
16	285	1000	347	283	191	230	350	352	294
17	310	930	334	280	186	220	285	341	304
18	305	870	309	257	184	210	280	330	294
19	310	805	328	257	185	200	280	323	290
20	275	810	330	257	178	260	255	330	256
21	265	780	334	280	174	260	235	306	250
22	265	690	323	283	175	230	210	292	250
23	270	640	296	257	216	230	235	266	250
24	265	585	334	250	213	225	240	250	250
25	255	585	545	248	206	210	245	256	248
26	260	580	416	230	226	210	215	256	177
27	255	550	972	220	226	200	210	259	210
28	280	520	2200	223	213	195	210	259	200
29	280	500	1900	230	194	180	200	259	210
30	320	475	1400	230	206	180	215	246	235
31	.....	.....	.....	.....	321	180	230	250	173
Mean.	302	776	556	316	206	244	317	376	223

SOUTH FORK ELKHORN RIVER AT NORFOLK.

Daily mean discharge in cubic feet per second.

DAY.	AUGUST.					SEPTEMBER.				
	1896	1897	1898	1899	1900	1896	1897	1898	1899	1900
1	570	165	215	243	167	158	150	195	158	210
2	409	180	215	253	160	163	160	75	158	195
3	294	195	210	266	153	161	150	70	105	190
4	253	215	210	282	143	163	160	70	90	204
5	233	215	210	286	145	158	145	65	80	213
6	213	255	210	286	135	158	135	65	180	190
7	206	230	215	296	135	157	130	60	186	185
8	203	275	310	292	180	155	180	65	194	185
9	197	275	320	327	127	158	115	75	203	180
10	191	265	390	266	117	170	155	85	194	185
11	191	245	400	266	110	172	155	75	194	280
12	179	240	440	334	127	167	150	210	186	290
13	180	225	385	334	130	170	150	220	174	264
14	177	240	380	282	150	178	150	210	161	250
15	186	240	360	286	177	176	150	215	171	247
16	176	225	340	282	400	174	175	210	186	238
17	183	195	330	299	290	179	190	215	177	230
18	188	210	310	259	283	182	190	220	183	220
19	186	210	320	256	298	183	185	235	163	230
20	185	195	325	250	310	185	170	175	161	242
21	193	180	305	256	280	185	185	195	156	242
22	186	180	250	246	248	186	170	175	159	220
23	186	180	220	227	204	182	170	245	161	230
24	179	180	260	224	214	179	180	200	197	228
25	176	180	265	212	220	178	170	210	180	230
26	170	170	250	209	240	182	165	220	174	210
27	167	170	250	206	260	180	160	240	180	200
28	165	170	250	161	260	186	150	195	177	210
29	163	160	245	156	240	186	155	195	180	210
30	165	170	220	166	230	182	145	195	177	200
31	162	150	220	163	204	.....	.....	.....	.....	.....
Mean.	210	206	285	254	202	173	158	163	168	220

SOUTH FORK ELKHORN RIVER AT NORFOLK.

Daily mean discharge in cubic feet per second.

DAY	OCTOBER.					NOVEMBER.	
	1896	1897	1898	1899	1900	1896	1900
1	182	145	185	180	198	313	380
2	182	145	200	197	200	313	375
3	185	140	185	206	210	298	365
4	186	140	210	215	205	298	362
5	188	140	210	203	205	.....	365
6	186	140	210	206	205	.....	362
7	185	150	200	203	213	.....	362
8	213	170	195	218	205	.....	365
9	213	160	200	221	205	.....	365
10	213	170	200	209	210	.....	360
11	213	170	235	194	210	.....	365
12	216	170	245	194	198	.....	340
13	226	210	240	221	195	.....	337
14	216	210	235	215	210	.....	343
15	213	185	235	234	210	.....	343
16	213	205	210	221	205	.....	337
17	210	235	240	227	210	.....	340
18	213	245	.....	224	210	.....	.....
19	220	260	.....	227	205	.....	.....
20	213	255	260	234	213	.....	.....
21	213	250	250	227	292	.....	.....
22	210	240	250	227	340	.....	.....
23	210	235	255	227	425	.....	.....
24	213	230	270	221	375	.....	.....
25	210	235	265	237	375	.....	.....
26	208	240	265	221	368	.....	.....
27	223	250	280	227	380	.....	.....
28	203	275	275	227	375	.....	.....
29	213	280	275	218	375	.....	.....
30	243	285	.....	221	395	.....	.....
31	298	295	.....	215	400	.....	.....
Mean.	210	209	233	217	265	305	365

REPORT OF SECRETARY

ELKHORN RIVER AT ARLINGTON.

Daily mean discharge in cubic feet per second.

DAY.	APRIL.		MAY.		JUNE.		JULY.	
	1899	1900	1899	1900	1899	1900	1899	1900
1	559	808	1673	1988	692	1184	384
2	555	882	1615	1828	718	1184	878
3	559	793	1542	1809	667	1443	387
4	551	820	1495	1692	745	1313	381
5	526	945	1435	1618	722	1233	448
6	518	1411	1400	1626	731	1177	416
7	504	2290	1428	1727	740	1072	395
8	501	1838	1526	1273	692	1017	387
9	484	1781	1698	1155	637	1017	367
10	498		2233	1080	629	976	355
11	491		2105	1069	613	976	364
12	484		1518	1088	590	934	347
13	484		1286	4315	617	960	344
14	491		1178	3560	927	897	325
15	501		1120	2925	605	867	325
16	515		1076	2340	578	852	544
17	544		1044	2572	654	826	461
18	646		1021	2830	675	793	433
19	676		937	1847	597	770	480
20	745		901	1436	532	762	582
21	896		863	1188	567	733	570
22	943		833	1222	537	700	772
23	958		705	1220	508	710	983
24	1015		700	1181	491	632	1293
25	1026		671	1129	474	602	1120
26	1075		662	1013	480	583	1032
27	1081		718	1054	512	575	922
28	796		696	1006	480	564	866
29	789		658	1054	451	564	646
30	804		2365	700	390	538	570
31		2390	654	538	533
Mean.	796	742	1567	1166	1701	610	871	562

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ELKHORN RIVER AT ARLINGTON.

Daily mean discharge in cubic feet per second.

DAY.	AUGUST.		SEPTEMBER.		OCTOBER.		NOV.
	1899	1900	1899	1900	1899	1900	
1	571	498	388	808	300	723	1855
2	542	454	392	637	300	679	2000
3	509	429	344	548	291	670	1887
4	575	404	329	498	284	638	1749
5	628	398	314	474	284	621	1574
6	586	378	318	461	295	601	1400
7	646	361	325	454	295	582	1184
8	811	347	325	448	310	570	1092
9	700	352	322	454	314	559	967
10	650	322	336	426	322	545	901
11	688	327	340	555	336	537	881
12	594	347	344	1021	344	530	871
13	597	358	340	4160	351	519	858
14	579	435	351	4074	359	508	823
15	606	705	313	3683	362	498	794
16	635	709	318	2501	366	484	776
17	632	629	314	2077	359	477	740
18	602	794	314	1775	355	470	740
19	557	1250	314	1615	359	474	745
20	546	1081	288	1479	273	481	723
21	490	927	295	1442	381	484	692
22	494	808	310	1485	396	633	633
23	485	871	325	1463	403	714	609
24	531	767	340	1300	426	745	590
25	588	731	344	1208	434	780	.....
26	459	828	318	1342	430	843	.....
27	456	806	314	1076	434	881	.....
28	471	780	300	906	437	953	.....
29	456	753	288	790	434	3656	.....
30	445	723	288	755	437	2522	.....
31	384	896	.....	.....	430	2115	.....
Mean.	568	627	326	1331	361	822	1043

MEASUREMENTS OF DISCHARGE OF SMALLER STREAMS.

In the plan of co-operation with the United States Geographical Survey in the work of stream measurements, the work of measuring the smaller streams has been done largely by the assistants of the Board of Irrigation.

An inspection of the following tables will show that this work is scattered over a wide area, and many of the points at which measurements have been made are remote from railroads and comparatively inaccessible. These measurements are indispensable in the adjudication of claims and in the intelligent consideration of applications.

The results of these measurements are given in the following tables.

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From streams of Nebraska at points other than regular gaging stations, for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge cubic feet per sec.	REMARKS.
Ash Creek, E. Br.	Half mile above mouth...	E. T. Youngfeldt	June 25, '96	1.09	Tributary White River.
" "	H'd of Tomlin D. 30-32-50.	C. B. Channe...	May 15, '99	3.35	" " "
" "	" 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	" " "
" "	H'd 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. Youngfeldt	June 25, '96	1.73	" " "
" "	Woodward's 25-32 51.....	C. B. Channel...	May 15, '99	0.19	" " "
" "	H'd 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...	T. J. O'Keefe...	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.....	A. B. McCoskey...	Sept. 21, '98	0.50	" " "
" "	At Cripps 13-32-51.....	C. B. Channel...	May 15, '99	.050	" " "
" "	At mouth.....	C. B. Channel...	May 15, '99	0.76	" " "
Ash Creek.....	Ab. Spraggs' Dam 10-31-17	C. B. Channel...	June 20, '98	2.19	Tributary Niobrara River.
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.....	Gonoa.....	O. V. P. Stout...	Sept. 7, '94	71.	Tributary Loup River.
" "	" " " " " " " " " " " "	O. V. P. Stout...	July 14, '96	1.10	" " "
" "	" " " " " " " " " " " "	W, J. McEathron	Aug. 14, '96	112.2	" " "
" "	" " " " " " " " " " " "	O. V. P. Stout...	June 21, '98	149.7	" " "
" "	" " " " " " " " " " " "	O. V. P. Stout...	Aug. 8, '00	50.18	" " "
" "	Albion.....	O. V. P. Stout...	July 21, '96	47.4	" " "
" "	" " " " " " " " " " " "	Glen E. Smith...	Apr. 23, '98	88.6	" " "
" "	" " " " " " " " " " " "	O. V. P. Stout...	Aug. 8, '00	7.21	" " "
Beaver Creek.....	Below diversion Gt. E. Can.	C. B. Channel...	May 22, '99	8.97	Tributary White River.
Blue Creek.....	At Hyser's 20-44-46.....	U. S. Geol. Sur.	105.	Tributary North Platte River.

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SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge cubic feet per second.	REMARKS.
Blue Creek.....	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 D., 19-16-42	E. D. Johnson...	July 26, '00	27.39	.....
Birdwood Creek..	.....	U. S. Geol. Sur. ....	.....	126	Trib. North Platte River.
"	Below Bratt's Ditch.....	O. V. P. Stout....	Sept. 9, '96	133	Bratt's D., diverting 28.2 sec. feet.
"	Above 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	.....
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.
"	De Witt.....	"	July 2, '98	202	1000 feet below mill.
"	".....	"	June 7, '00	235	.....
"	Blue Springs.....	"	June 7, '00	250	.....
"	Wilbur.....	"	June 7, '00	189.8	.....
Blue River, Little.	Ayr, Neb.....	"	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	" 40	.....
"	Beckley's, 13-30-31.....	C. B. Channel...	June 3, '99	16.4	.....
Boggy Creek.....	L. bet. secs. 17 and 18-32-54	A. B. McCoskey ..	May 8, '97	.15	Trib. Hat Creek.
"	N. line sec. 31-33-54.....	"	May 8, '97	.35	.....
"	".....	"	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 Cr., Big	Sec. 25-33-48.....	A. B. McCoskey ..	Sept. 22, '98	1.9	.....

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From streams in Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge cubic feet per second.	Remarks.
Buck Creek.....	Sec. 14-31-41.....	A. B. McCoskey..	Sep. 1, '98	Est. 4	.....
Burton ".....	At mouth T. 35, R. 19.....	C. B. Channel ...	Sep. 17, '98	5.57	.....
Buffalo ".....	Sec. 7-1-40.....	W. A. Channel...	Nov. 22, '00	9.9	.....
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 ...	Sep. 20, '99	152	.....
Cedar River.....	Fullerton.....	O. V. P. Stout...	Sep. 15, '94	210.6	.....
" ".....	" ".....	" ".....	July 11, '96	338	.....
" ".....	" ".....	" ".....	July 21, '98	277	.....
" ".....	Cedar Rapids.....	" ".....	July 21, '96	212	.....
" ".....	Ericson.....	W. J. McEathorn	Mar. 16, '95	152	.....
" ".....	" ".....	" ".....	June 1, '95	214	.....
" ".....	" ".....	" ".....	Aug. '95	112.1	.....
" ".....	" above dam.....	Glen E. Smith...	May 17, '99	107.4	.....
" ".....	" below dam.....	" ".....	" ".....	113	.....
Cedar R., Dry Br.	At mouth near Ericson.....	" ".....	May 17, '99	5	.....
Cedar Creek.....	At Bruce's mill, 33-34-25.....	C. B. Channel ...	July 9, '99	7.41	.....
Clear ".....	Sec. 29-16-41.....	Adna Dobson...	Nov. 23, '96	12.8	Kieth county.
" ".....	700 yards below Barber & Marsh headgate, 32-16-41	H. H. Pickens...	May 19, '99	7.84	Kieth county.
" ".....	At Schlademans, 5-14-34..	C. B. Channel ...	Dec. 16, '99	3.40	Lincoln county.
Chadron Creek...	Above Chadron W. W., 18-32-48	A. B. McCoskey..	Sep. 14, '97	1.59	.....
" ".....	" ".....	C. B. Channel ...	May 17, '99	2.24	.....
" ".....	Below " ".....	A. B. McCoskey..	Sep. 14, '97	0.96	.....
" ".....	" ".....	C. B. Channel ...	May 17, '99	2.15	.....
" ".....	Sec. 36-33-49.....	A. B. McCoskey..	Sep. 23, '98	1.23	.....
" ".....	" ".....	C. B. Channel ...	May 17, '99	8.71	.....
Cott'nwood C., Big	6 miles west of Whitney..	E. T. Youngfelt..	June 25, '96	.20	Trib. White River.

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE.

From streams in Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	DATE.	Discharge cubic feet per sec.	REMARKS.
Cott'wood C, Big	Sec. 21-35-22.....	C. B. Channel...	June 12, '99	1.20	Tributary White River.....
" " 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 Cr	"	May 16, '99	.35	" " ".....
Coon Creek.....	Abv. Winterer's D 34-15-37	"	May 19, '98	.78	" " ".....
Coldwater Creek..	Sec. 26-18-46.....	"	May 25, '98	2.93	" " ".....
Crooked " "	Hd. of Mutz D sw 20-35-19	"	June 18, '98	.76	" " ".....
" " "	At Mutz 19-34-19.	"	June 13, '99	1.23	" " ".....
Dead Horse " "	Sec. 31-33-50.....	A. B. McCoskey..	Sep. 21, '98	Est. .3	" " ".....
" " "	Sec. 7-32-49.....	"	Sep. 23, '98	Est. .6	" " ".....
" " "	North line Sec. 31-33-49 ..	C. B. Channel...	May 17, '99	3.46	" " ".....
" " "	At Slatterys D Sec 32-33-49	"	May 17, '99	8.98	" " ".....
Deer Creek.....	Sec. 22-30-43.....	A. B. McCoskey..	June 1, '98	12	" " ".....
Dismal River.....	Dunning.....	O. V. P. Stout...	Aug. 23, '95	29.4	" " ".....
" "	"	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	" " ".....
Deadman Creek..	Hd. Phillips D. 19-30-52...	T. J. O'Keefe...	Oct. 2, '00	1.8	" " ".....
" "	Hd. P. & R. D. 1-30-53.....	"	Oct. 2, '00	1.1	" " ".....
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'Neil.....	"	June 23, '97	20.63	" " ".....

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge cubic feet per sec.	REMARKS.
Elkhorn River....	O'Neill.....	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	
Elkh'n Riv. N. Fk.	Norfolk.....	O. V. P. Stout...	July 16, '96	70.	
"	"	Adna Dobson...	Mar. 24, '97	701.	
"	"	Adna Dobson...	May 6, '97	166.	
"	"	Adna Dobson...	May 24, '97	77.	
"	"	O. V. P. Stout...	July 30, '97	69.8	
"	"	O. V. P. Stout...	June 20, '98	162.	
"	"	Glen E. Smith...	Apr. 27, '99	122.	
"	"	Glen E. Smith...	May 25, '99	414.	
"	"	Glen E. Smith...	Feb. 20, '99	119.	
Elkh'n Riv. N. Fk.	Norfolk.....	Glen E. Smith...	Aug. 17, '99	81.30	
"	"	Glen E. Smith...	Sept. 25, '99	85.20	
"	Norfolk Junction Bridge..	O. V. P. Stout...	May 27, '00	75.9	
"	Norfolk Junction Bridge..	O. V. P. Stout...	Aug. 3, '00	89.	
" South Fk.	Ewing.....	O. V. P. Stout...	Sept. 3, '97	18.17	
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	
"	"	A. B. McCoskey..	July 27, '00	74.30	
"	Palisade.....	O. V. P. Stout...	July 3, '97	68.23	

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge in cubic feet per second.	Remarks.
Frenchman River	Palisade	O. V. P. Stout	July 19, '97	73.3	
"	"	Glen E. Smith	July 7, '98	92	Above head of Culbertson D.
"	"	H. H. Pickens	May 29, '99	97.32	Above head of Culbertson D.
"	"	A. B. McCoskey	Sep. 16, '99	65.83	Above head of Culbertson D.
"	"	A. B. McCoskey	July 27, '00	91.24	Above head of Culbertson D.
"	Maranville	E. D. Johnson	July 8, '99	19.33	
"	Hd. Maranville D. 12-6-41	A. B. McCoskey	July 26, '00	3.39	Ditch diverting all of the wat.
"	Below Hd. of Inman's D., 17-6-40	E. D. Johnson	July 9, '99	16.62	
"	Hd. of Inman's D., 17-6-40	A. B. McCoskey	July 26, '00	7.98	Ditch diverting all of the wat.
"	Hd. of Inman's D., 17-6-40	E. D. Johnson	Sep. 29, '00	6.20	
"	Below Hd. of Wirsig D., 24-6-40	E. D. Johnson	July 10, '99	20.98	
"	Hd. of Wirsig D., 24-6-40	A. B. McCoskey	July 26, '00	13.97	Ditch diverting all of the wat.
"	2 miles above Culbertson	Adna Dobson	June 26, '00	79	
"	W. line sec. 3-5-38	H. H. Pickens	June 3, '99	29.54	
Goose Creek	Sec. 10-22-27	C. B. Channel	Apr. 27, '99	30.27	
Gordon "	Sec. 15-32-29	O. V. P. Stout	July 23, '97	3.53	
Hat Creek, East	Sec. 23-32-55	A. B. McCoskey	July 10, '97	3	
"	Above mouth 10-32-55	"	July 10, '97	1.05	
"	West.. Above mouth 10-32-55	"	July 10, '97	.53	
"	Below confluence 10-32-55	"	July 10, '97	1.6	
"	Hd. of Steel D. 16-32-55	"	July 16, '97	.69	
"	Sec. 23-33-55	"	Sep. 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 "	Neb. Wyo. state line	A. B. McCoskey	Oct. 15, '97	10.5	Scott's Bluff County
"	Neb. Wyo. state line	A. B. McCoskey	June 16, '99	11.1	Scott's Bluff County
"	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	Dundy County

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE.

From streams of Nebraska at points other than regular gaging stations for the years 1884 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	DATE.	Discharge cubic feet per sec.	REMARKS.
Horse Head Creek	Sec. 16-33-24.....	C. B. Channel...	June 9, '99	1.15	.....
Holt Creek.....	Head Webster Dit. 19-35-20	"	June 12, '99	3.58	.....
Indian Creek.....	Near mouth.....	E. T. Youngfelt..	June 25, '96	.06	Dundy County.....
" ".....	Line bet. secs. 10 & 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 W'druiff'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	.....
Lodge Pole Creek	Kimball.....	Adna Dobson....	May 26, '96	4.5	.....
" " ".....	3 Miles east of Sldney.....	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	.....
" " ".....	¼ Mile east of Kimball....	"	Aug. 11, '99	2.04	.....
" " ".....	½ Mile above Kinney Ditch	"	Aug. 10, '99	6.52	.....
" " ".....	Above Young's Ditch.....	"	Aug. 10, '99	15.57	.....
" " ".....	Sec. 33-14-49.....	"	May 15, '00	3.86	.....
" " ".....	½ Mi w 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	.....

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge in cubic feet per second.	REMARKS,
Lodge Pole Creek.	Sec. 3-12-45.....	E. D. Johnson...	Aug. 10, '00	1.34	.....
" "	Sec. 38-14-49.....	"	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.	"	"	1.13	.....
" "	One mile west of Kimball.	"	"	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	.....
Lonergan Creek..	Sec. 17-15-39.....	C. B. Channel...	May 22, '98	6.1	.....
Long Pine Creek..	Long Pine.....	Adna Dobson....	Oct. 3, '96	47.1	.....
" "	".....	C. B. Channel...	June 20, '98	50.41	.....
" "	".....	Glen E. Smith....	Aug. 21, '98	44.3	.....
" "	".....	"	Sept. 8, '98	138	.....
" "	Bel. Miller's Mills, 5-31-20.	C. B. Channel...	June 15, '99	5.9	.....
Looking Glass Cr.	Near mouth.....	W. J. McEathon..	July —, '96	15	.....
Loup River.....	Fullerton.....	O. V. P. Stout...	Sept. 16, '94	170.4	.....
" "	".....	"	July 11, '96	2900	.....
" "	Sec. 13-7-2.....	"	Aug. 19, '94	1335	.....
Loup River, North	Moulton.....	G. H. Lawrence..	Nov. 2, '94	460	.....
" "	Burwell.....	O. V. P. Stout...	July 9, '96	625	.....
" "	".....	Glen E. Smith....	May 16, '99	984	.....
" "	Bel. m'th of Wanaduza Cr	O. V. P. Stout...	July 24, '97	129.8	.....

From notes of L. F. Gottschalk.

River 4 inches above normal.

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge cubic feet per sec.	REMARKS.
Loup River, North	Brownlee.....	C. B. Channel....	May 1, '99	359.79	.....
" "	" "	C. B. Channel....	Sept. 23, '99	195.84	.....
" "	Brewster.....	C. B. Channel....	Sept. 21, '99	361.92	.....
Loup River, Mid..	Fks. 8½ miles above Mullen	O. V. P. Stout....	Aug. 20, '95	41.8	.....
" "	Mullen.....	O. V. P. Stout....	Aug. 20, '95	120.	.....
" "	Seneca.....	O. V. P. Stout....	Aug. 21, '95	216.2	.....
" "	" "	O. V. P. Stout....	Aug. 30, '96	212.3	.....
" "	" "	Glen E. Smith....	Apr. 28, '98	221.6	.....
" "	" "	Glen E. Smith....	Nov. 1, '98	198.	.....
" "	" "	C. B. Channel....	May 2, '99	225.34	.....
" "	Arcadia.....	A. B. McCoskey..	Apr. 18, '99	809.66	.....
" "	Thedford.....	O. V. P. Stout....	Apr. 22, '95	284.3	.....
" "	Dunning.....	O. V. P. Stout....	Apr. 23, '95	321.5	.....
" "	" "	Glen E. Smith....	Apr. 28, '93	410.	.....
" "	" "	Glen E. Smith....	Nov. 1, '98	433.	.....
" "	" "	O. V. P. Stout....	Aug. 30, '96	323.	.....
" "	" "	A. B. McCoskey..	Apr. 21, '99	408.23	.....
" "	Gates, Custer County.....	G. H. Lawrence....	Aug. 25, '94	850.	.....
" "	Loup City.....	O. V. P. Stout....	Aug. 29, '95	878.6	.....
" "	Boelus.....	Adna Dobson....	May 28, '97	837.	.....
Loup River, South	Callaway.....	O. V. P. Stout....	Aug. 28, '95	48.	.....
" "	" "	C. B. Channel....	Aug. 3, '98	82.91	.....
" "	Arnold.....	C. B. Channel....	Aug. 4, '98	31.48	.....
" "	Georgetown.....	G. H. Lawrence....	Sept. 10, '96	68.	.....
" "	Ravenna.....	O. V. P. Stout....	Aug. 31, '95	296.	.....
" "	" "	O. V. P. Stout....	Aug. 29, '96	142.	.....
" "	St. Michaels.....	Adna Dobson....	May 28, '98	220.	.....
Mathew's Creek..	Section 28-15-37.....	C. B. Channel....	May 19, '98	1.71	.....

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE.

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	DATE.	Discharge cubic feet per sec.	REMARKS.
Middle Creek, E.	Sec. 32-33-23	C. B. Channel	June 10, '99	.27	
" " 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	
"	"	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	
"	"	"	Sep. 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	
"	"	"	Sep. 13, '99	23.5	
"	"	"	Sep. 26, '99	26.5	
Monroe Creek	Hd. of Schilt Ditch 27-33-56	A. B. McCoskey	July 20, '97	.22	
" " "	Hd. Wilcox Ditch 33-33-56	"	July 21, '97	1.02	
" " "	" " "	T. J. O'Keefe	Sep. 24, '00	.84	

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge cubic feet per second.	REMARKS.
Monroe Creek...	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...	"	"	3.7	.....
Niobrara River...	Dawes County.....	Prof. L. E. Hicks.	May 4, '87	98	.....
"	Marsland	F. 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 B., 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. V. P. Stout....	June 25, '97	105	.....
"	"	Glen E. Smith...	Apr. 26, '98	209.9	.....
"	"	A. B. McCoskey..	June 2, '98	152.1	.....
"	"	Glen E. Smith...	Oct. 30, '98	203.4	.....
"	Neb.-Wyo. State line	A. B. McCoskey .	Oct. 20, '97	3.56	.....
"	Ab. Warneke's D., 27-30-57	"	"	5.12	.....
"	Ab. 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	.....
"	Ab. Ernest's Dam, 9-29-56.	A. B. McCoskey .	Oct. 21, '97	7.36	.....
"	At Ernest's Ranch, 23-29-56	"	"	16.34	.....
"	At McGinley's, 31-29-56	"	Oct. 22, '97	9.27	.....
"	At O Harris's house, T. 28, R. 54	"	Oct. 23, '97	13.44	.....
"	Near Bell P. O., 8-28-53.....	"	"	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	.....

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge in cubic feet per second.	Remarks.
Niobrara River...	H. of proposed Golden D. 13-31-41	{ Engrs in employ	Apr. 26, '97	190	.....
" "	½ mile below proposed Golden D	{ of Golden Irr. D.	Apr. 27, '97	195	.....
" "	Dunlap	A. B. McCoskey..	May 20, '98	75.4	.....
" "	Dunlap	" "	Aug. 7, '00	14.12	.....
" "	Sec. 22-29-48.	" "	May 31, '98	55.5	.....
" "	Bridge N. of Ainsworth...	C. B. 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	.....
" "	" "	" "	Sep. 7, '98	748	.....
" "	" "	" "	Sep. 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	.....
" "	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	.....
" "	Hd. of Mirage Can. 26-29-48	McC'y & O'Keefe	Aug. 7, '00	14.50	*
" "	Hd. of Hay Spr. C. 29-29-47	" "	Aug. 7, '00	4.03	.....
Newman Creek...	Hd. of Newnan 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.....
" "	Danebrog	Glen E. Smith....	May 19, '99	5	.....
Platte River....	Columbus	O. V. P. Stout....	Sep. 17, '94	Dry	.....
" "	Columbus	O. V. P. Stout....	Oct. 6, '94	Dry	Water ¾ feet below surface of sand in river bed.

* Mirage Canal was diverting all the water at the time gaging was made.

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE.

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	DATE.	Discharge cubic feet per sec.	REMARKS.
Platte River.....	Fremont.....	O. V. P. Stout...	Aug. 14, '94	1420	
"	"	A. Rosewater...	Late Aug '94	1209	
"	"	O. V. P. Stout...	Aug. 13, '00	2800	
"	Grand Island.....	"	Sep. 7, '98	Dry	
"	"	"	Sep. 15, '98	12	
"	Central City.....	Glen E. Smith...	Sep. 8, '99	50	
Platte River, N'th	Douglas, Wyoming.....	State Eng'r. Wyo	June 3, '91	10130	
"	"	"	Dec. 4, '91	807	
"	"	"	Nov. 5, '92	595	
"	Fairbanks, Wyoming.....	"	Oct. 13, '91	579	
"	North Platte.....	U. S. Geol. Sur..	Sep. 14, '92	770	
"	"	"	Nov. 2, '92	1070	
"	"	"	Nov. 22, '92	1370	
"	"	A. B. McCoskey..	Sep. 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	Approx. measurement by floats
"	Lewellen Bridg.....	A. B. McCoskey..	Sep. 1, '98	Est. 5	
"	"	H. H. Pickens....	May 23, '99	15901.88	
"	Gering Bridge.....	A. B. McCoskey	Nov. 7, '98	598.42	
"	"	"	June 14, '99	16104.80	
"	"	"	Sep. 26, '00	333.14	
"	"	"	Nov. 5, '00	624.81	
Platte River, S'th	Julesburg, Colorado.....	U. S. Geol. Sur..	October....	653	
"	North Platte.....	"	Early Nov.	450	
"	"	"	Late Nov..	645	
"	"	O. V. P. Stout...	June 29, '96	0.0	
"	"	Glen E. Smith...	Apr. 19, '99	883	

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge cubic feet per sec.	REMARKS.
Platte River Sth..	North Platte.....	Glen E. Smith...	May 6, '99	86.6	.....
" "	" "	Glen E. Smith...	May 22, '99	88.	.....
" "	" "	Glen E. Smith...	June 6, '99	Dry.	.....
" "	" "	Glen E. Smith...	June 19, '99	Dry.	.....
" "	Sutherland.....	H. H. Pickens...	May 23, '99	50.	.....
Pawnee Creek....	Ab. Plummer's D. 19-13-27.	C. B. Channel....	Apr. 25, '98	4.94	.....
" "	" Holcomb's D. 12-13-28.	C. B. Channel....	Apr. 25, '98	4.73	.....
Pine Creek.....	Section 33-30-44.....	A. B. McCoskey..	June 1, '98	24.5	.....
Plum Creek.....	At mouth 13-32-22.....	C. B. Channel....	June 13, '98	101.13	.....
" "	Section 35-32-23.....	C. B. Channel....	June 10, '99	81.07	.....
" "	Hoef's Mill, Sec. 27-31-24..	A. B. McCoskey..	Oct. 26, '00	28.77	.....
Pole Creek.....	Section 28-32-40.....	A. B. McCoskey..	June 1, '98	Est. 2.	.....
Rep. R. Arackaree F.	Haigler.....	O. V. P. Stout....	June 17, '96	6.14	.....
Republican Riv....	" "	O. V. P. Stout....	June 17, '96	8.24	Above mouth of Arackaree.
" "	" "	E. T. Youngfelt..	June 16, '96	6.17	" " "
" "	" "	E. T. Youngfelt..	June 17, '96	14.94	Below " " "
" "	" "	E. T. Youngfelt..	July 16, '96	9.8	" " "
" "	" "	E. T. Youngfelt..	Aug. 25, '96	10.04	" " "
" "	" "	E. T. Youngfelt..	Sept. 18, '96	24.54	" " "
" "	McCook.....	Adna Dobson....	Apr. 13, '97	745.	.....
" "	" "	O. V. P. Stout....	July 19, '97	0.0	.....
" "	" "	A. B. McCoskey..	Sept 19, '99	12.27	.....
" "	" "	A. B. McCoskey..	July 27, '00	103.78	.....
" "	Two miles west of Ives....	E. T. Youngfelt..	Aug. 25, '96	5.	.....
" "	Seven miles W. Benkelm'n	O. V. P. Stout....	June 16, '96	87.52	.....
" "	Benkelman.....	O. V. P. Stout....	June 16, '96	29.3	.....
" "	" "	E. T. Youngfelt..	Aug. 25, '96	5.	.....
Repub. Riv. N. Fk.	" "	O. V. P. Stout....	Aug. 18, '00	41.73	.....

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge cubic feet per second.	REMARKS.
Republican, S. Fk	Benkelman	O. V. P. Stout...	Aug. 18, '00	8	
" "	Culbertson	C. E. Crownover.	May 16, '96	78.37	Above mouth of Frenchman.
" "	"	O. V. P. Stout...	June 19, '96	6.48	" " "
" "	"	"	Sept. 10, '96	0	" " "
" "	"	U. S. Geo. Sur...	Nov. 25, '92	209	" " "
" "	"	O. P. P. Stout...	June 25, '98	91.3	" " "
" "	"	H. H. Pickens...	May 29, '99	Dry	" " "
" "	"	A. B. McCoskey...	Sept. 19, '99	Dry	" " "
Republican River.	Oxford	O. V. P. Stout...	June 3, '95	16000	
" "	"	"	Sept. 12, '95	55	
" "	"	C. E. Crownover.	May 17, '96	254.5	
" "	"	O. V. P. Stout...	June 16, '96	109.4	
" "	"	"	June 24, '98	335	
" "	"	Glen E. Smith...	Sept. 6, '99	Dry	
" "	"	E. D. Johnson...	July 18, '00	14.26	
" "	Orleans	Glen E. Smith...	Sept. 6, '99	0.25	Below mouth of Sappa Creek.
" "	Head of Meeker Canal...	E. D. Johnson...	Sept. 19, '99	17.5	
" "	Cambridge	Adna Dobson...	June 28, '00	7.2	
" "	Edison	E. D. Johnson...	July 18, '00	16.62	
Rock Creek	B. & M. R'y 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	"
Rock Springs Cr..	Abo. 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	"	"	4.39	"
Salt Creek	Lincoln	Adna Dobson...	Aug. 17, '00	5807	Flood.
Sandy Creek	Sec. 3-31-15	C. B. Channel...	June 17, '99	8.28	
Shobe Branch ...	At Lambs, 32-33-11	"	June 20, '99	1.66	

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From all streams of Nebraska at points other than gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge in cubic feet per second.	Remarks.
Shell Creek.....	Platte Center.....	O. V. P. Stout....	July 21, '96	47.4	
"	Schuyler.....	"	July 24, '96	26.8	
Snake River.....	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 Cr.	"	July 24, '97	215	
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	
"	"	"	Sep. 22, '00	2.5	
Sowbelly Creek...	Above Hd. of Shaefer D. 7-32-55	A. B. McCoskey..	July 16, '97	1.45	
"	Bordac P. O. 5-32-55.....	"	July 14, '97	1.54	
"	Bridge S. of Gilchrist.....	"	July 24, '97	.08	
"	Sec. 19-33-55.....	"	Sep. 30, '98	Est. 1	
"	N. line sec. 19-32-55.....	"	Aug. 1, '99	1.87	
"	Hd. of Nutto's D. 24-32-56.	T. J. O'Keefe....	Sep. 24, '00	3.15	
Squaw Creek.....	Patrick Dunn's 15-33-57....	A. B. McCoskey..	July 22, '97	.13	Sioux County
Squaw Creek.....	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	"
"	Hd. Daniels & Stetson D. 19-31-51	"	May 11, '99	.79	"
"	Hd. 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.....	Above Hollaway's D. 29-15-37...	"	May 19, '98	1.11	Kieth County
Spring Creek.....	Abv. William's D. 28-16-41	"	May 23, '98	4.50	Deuel County

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE.

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	DATE.	Discharge cubic feet per sec.	REMARKS.
Spring Creek.....	Above Barber Dit 29-16-41	C. B. Channel....	May 23, '98	6.73	Deuel.....
".....	At Mills P. O. 9-34-18.....	".....	June 16, '98	7.30	Tributary to Keya Paha.....
".....	Hd Townsend Dit 35-34-19	".....	June 13, '99	5.18	Tributary to Keya Paha.....
".....	Hd Opperman Dit 29-32-20	".....	June 15, '99	0.31	Tributary to Niobrara.....
".....	At mouth.....	".....	May 16, '99	0.29	Tribut'y to Little Cottonwood
Stinking Water.....	Palisade.....	O. V. P. Stout....	June 19, '96	12.24	Above Palisade Mill.....
".....	".....	E. T. Youngfelt..	Sep. 17, '96	20	Below Palisade Mill.....
".....	".....	Glen E. Smith....	July 7, '98	23.6	.....
Trunk Butte Cr'k	North line Section 36-33-50	C. B. Channel....	May 17, '99	1.45	.....
".....	North line Section 36-33-50	A. B. McCoskey..	Aug. 18, '99	0.34	.....
Turkey Creek.....	Section 30-4-21.....	E. D. Johnson....	Sep. 6, '99	2.26	Furnas County.....
".....	Naponee.....	O. V. P. Stout....	Aug. 24, '00	7	Franklin County.....
Thompson Creek..	Section 4-2-13.....	E. D. Johnson....	Sep. 8, '99	3.45	.....
Union Creek.....	Madison.....	O. V. P. Stout....	July 23, '96	38.3	.....
Victoria Creek....	Section 1-19-21.....	Adna Dobson....	July 28, '96	5.2	.....
Warbonnet Spr Bt	Head Biehle Ditch 32-33-56	A. B. McCoskey	July 21, '98	.27	.....
" Mid Br	Head Garton Dit. 31-33-56	".....	July 21, '98	.26	.....
Warbonnet Creek	Brewster's Ranch 21-33-56	".....	July 23, '97	.51	.....
".....	".....	".....	Sep. 29, '98	1.23	.....
".....	".....	".....	May 25, '99	2.50	.....
".....	".....	T. J. O'Keefe....	Sep. 25, '00	.75	.....
White Horse Cr'k	Abv Lamplugh Lk 5-14-30	C. B. Channel....	May 3, '98	2.33	.....
White Tail Creek	Abv White Tail Ca 22-15-38	".....	May 20, '98	24.67	.....
".....	Abv Reed Ditch 15-15-38..	".....	May 20, '98	24.62	.....
".....	Abv Holloway Ca 36-15-38	".....	May 20, '98	28.06	.....
West Middle Cr'k	Abv 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.....

SUMMARY OF ALL MEASUREMENTS OF DISCHARGE

From streams of Nebraska at points other than regular gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge cubic feet per sec.	REMARKS.
White Clay Creek.	Section 32-15-51.....	C. B. Channel....	May 11, '99	0.72	Dawes.
" "	Section 1-31-52.....	T. J. O'Keefe....	Aug. 23, '00	1.50	Dawes.
Wood River.....	Glenwood.....	C. B. Channel....	Aug. 8, '98	5.82	.....
Wooden Spr. Br..	Section 25-35-29.....	C. B. Channel....	June 13, '99	2.14	.....
White River.....	Section 23-31-53.....	E. T. Youngfelt..	June 24, '96	23.3	.....
"	Crawford.....	E. T. Youngfelt..	June 24, '96	30.7	.....
"	Whitney.....	E. T. Youngfelt..	June 25, '96	27.2	.....
"	"	A. B. McCoskey..	Sept. 21, '98	Est. 8.	.....
"	1 mile below mth. Kyle C.	A. B. McCoskey..	Aug. 11, '97	6.6	.....
"	R. R. Bridge above Glen..	A. B. McCoskey..	Aug. 13, '77	5.7	.....
"	Head of Crawford Ditch..	Stout & McCoskey	Aug. 14, '97	11.9	} 19.9* *When these measurements were taken the water was all di- verted into the Crawford ditch.
"	Bridge below Crawford...	A. B. McCoskey..	Aug. 14, '97	8.	
"	"	A. B. McCoskey..	Sept. 9, '97	6.96	} 17.97* The gagings at the bridge be- low Crawford show only water accumulated between the two points, from Soldier creek, seepage, springs, etc.
"	Head of Crawford Ditch.	A. B. McCoskey..	Sept. 20, '97	10.44	
"	Bridge below Crawford...	A. B. McCoskey..	Sept. 20, '97	7.53	} 25.38* The actual discharge of the stream at Crawford with the Crawford ditch closed, would be a little less than the sum of the discharges at the two points on the same date.
"	Head of Crawford Ditch..	A. B. McCoskey..	Oct. 18, '97	15.25	
"	Bridge below Crawford...	A. B. McCoskey..	Oct. 18, '97	10.13	} 26.45* 18.3 } 29.4* 11.1 }
"	Head of Crawford Ditch..	A. B. McCoskey..	Nov. 5, '97	15.87	
"	Bridge below Crawford...	A. B. McCoskey..	Nov. 5, '97	10.58	} 7.7 13.65 10.37
"	Head of Crawford Ditch..	Glen E. Smith....	Apr. 27, '98	18.3	
"	Bridge below Crawford...	Glen E. Smith....	Apr. 27, '98	11.1	} 4.41 16.70 } 18.05 }
"	"	A. B. McCoskey..	Sept. 20, '98	7.7	
"	Head of Crawford Ditch..	A. B. McCoskey..	Sept. 24, '97	13.65	} 34.75* 18.68 4.41
"	Whitney.....	C. B. Channel....	May 15, '99	10.37	
"	Below Crawford.....	A. B. McCoskey..	May 17, '99	18.68	.....
"	Force's Ranch, 31-31-54...	A. B. McCoskey..	May 19, '99	4.41	.....
"	Head of Crawford Ditch..	A. B. McCoskey..	May 19, '99	16.70	.....
"	Bridge below Crawford...	A. B. McCoskey..	May 19, '99	18.05	.....

STMMARY OF ALL MEASUREMENTS OF DISCHARGE

From all streams of Nebraska at points other than gaging stations for the years 1894 to 1900 inclusive.

NAME OF STREAM.	WHERE MEASURED.	BY WHOM.	Date.	Discharge in cubic feet per second.	Remarks.
White River.....	Bridge below Crawford...	A. B. McKoskey	May 22, '99	45.89	Swollen by heavy rains.....
" "	" " " "	" " " "	Aug. 19, '99	16.20	.....
" "	At Andrews Siding.....	C. B. Channel....	May 26, '99	4.93	.....
" "	Hd. of Crawford D.	McC'y & O'Keefe	July 16, '00	15.48	Ditch not diverting any water
" "	Bridge below Crawford....	" " " "	July 16, '00	28.29	.....
" "	Hd. of Crawford dam....	T. J. O'Keefe....	Aug. 22, '00	14.00	.....
" "	Bridge below Crawford...	" " " "	Sep. 1, '00	13.5	.....
" "	Whitney	" " " "	Sep. 3, '00	5	.....

RIGHTS OF RIPARIAN PROPRIETORS.

In Great Britain, where the common law of riparian rights had its origin, the atmosphere is laden with moisture, which is precipitated with lavish profusion. The law gave to the riparian proprietor, as incident to his ownership of the soil adjoining the water, the right to the natural flow of the stream without material alteration or diminution. He might use the water for any purpose provided that he restored it to its natural course so that his riparian neighbor below might receive it unimpaired in quality and undiminished in quantity. The great problem there to be solved was how best to draw the water off the land, not how to save it and conduct it upon the land for irrigation purposes.

This law involves no hardship where the use of water is limited to domestic, power and navigation purposes, but has been justly denounced as "an infamous law in an arid region."

In the eastern states, where the common-law rules of England were adopted during the early history of this country, the climatic conditions are similar to the conditions existing in England, and the law was, therefore, admirably adapted to that section,

Ever since that section of the country located west of the 100th meridian, and known as the "Arid Region," first began to be peopled by the Anglo-Saxon race, a great change from the old common-law theories has been gradually taking place, until in some of the states in the arid region the common-law theories upon the subject of water are absolutely abolished, in others ignored, and in all modified. There were manifest equities which demanded that the common law, adopted from a country so dissimilar in climate and condition to that of the arid region, should not be made applicable when it imperils the most vital interest of some of the richest districts of the United States.

It was clearly the intention of the legislature, in providing for the appropriation and diversion of the water of the streams

of the state, to abolish, or at least to mitigate the evil effects of this odious doctrine in the enactment of the irrigation laws of 1895. The Supreme Court, however, has said that attempted abolishment of the doctrine of riparian rights is within the prohibition of the constitution. It would seem, therefore, that the only remedy lies in the adoption of a constitutional amendment abolishing or modifying this doctrine.

In a recent decision (*Crawford Company vs. Hall et al*) the Supreme Court of Nebraska said: "This court has a number of times approved and recognized the common-law rule relative to the rights of riparian owners, and has no doubt that it is the proper rule. Nor can we understand how the act of 1877 (secs. 47, 48, 93a, Compiled Statutes of 1887) in any degree either repealed or modified the common-law rule relating to riparian rights. Such rights are not referred to in the act either directly or by implication, the act being merely an authorization of the owners of canals constituted for public purposes to condemn for right of way and to mortgage their property. In no manner does it seem to touch on the rights of riparian owners, nor had it the effect of establishing the separate ownership of land and water in the state of Nebraska. Immediately after its passage the rights of riparian owners stood exactly where they did immediately prior thereto, and the common-law rule which obtained then now exists."

It can be readily understood that if the common-law rule relative to the rights of riparian owners obtains in this state in its unmodified form, there can be no lawful diversion of water for irrigation purposes. To divert water from a stream and use it for irrigation purposes without materially diminishing the flow of the stream, is impossible.

That the riparian proprietors should have the right to the use of the waters of a stream for household or domestic use, including water for stock, should not be denied; but to permit great volumes of water that are in excess of the needs of riparian owners to run to waste, which if applied to the millions of acres of arid lands that are valueless for agricultural

purposes without the artificial application of water, is a useless waste of one of the natural resources of the state.

By the enactment of irrigation laws, the state has encouraged the construction of canals and other works for irrigation purposes which represent an investment of probably more than \$5,000,000. To deny the investors in these works the right to divert water from the streams of the state will make this investment valueless and will reduce the value of some hundreds of thousands of acres from the present value of from \$20 to \$40 per acre to \$2 to \$5 per acre, and reduce thousands of prosperous farmers to poverty and compel them to abandon their homes.

In the case of Irrigation Districts, the formation of which was encouraged and authorized by the irrigation laws of 1895, to deny the right to appropriate and divert water, practically means the repudiation of all district indebtedness.

In a country where the flow of streams must be diminished in order that people may build homes the old common law doctrine of riparian rights universally recognized in states having a humid climate, has no place. Where the rainfall alone is not sufficient to produce crops, to insist that streams shall flow "undiminished in quantity" is to condemn vast areas to perpetual barrenness.

It is impossible for those who live where lands are watered from the clouds to appreciate the value and significance of a "Water Right."

That the irrigation laws of Wyoming, after which our laws of 1895 are modeled, are the best laws relating to the control, distribution and diversion of water adopted by any state, is universally admitted.

As Wyoming has been taken as the model as to her irrigation laws, she should be taken as the model as to the law of state control of waters. In the constitution of that state, adopted in 1889, it was provided that all waters were the property of the state. The constitution provided for a Board of Control, consisting of the State Engineer and Superintendents

of water divisions, to have control of the appropriation and distribution of all waters, subject to review by the courts.

The constitutional provisions were as follows:

Article 1, Section 31, provides: "Water being essential to industrial prosperity, of limited amount, and easy of diversion from its natural channel, its control must be in the state, which, in providing for its use, shall equally guard all the various interests involved."

Article 8, Sec. 1, of the new constitution provides: "That the waters of all natural streams, springs, lakes or other collection of still water, within the boundaries of the state, are hereby declared to be the property of the state.

Sec. 2. There shall be constituted a Board of Control, to be composed of the State Engineer, and superintendents of water divisions, which shall under such regulations as may be prescribed by law have the supervision of the waters of the state, and of their appropriation, distribution and diversion, and of the various officers connected therewith. Its decisions to be subject to review by the courts of the state.

Sec. 3. Priority of appropriation for beneficial uses shall give the better right. No appropriation shall be denied, except when such denial is demanded by public interest.

Sec. 4. The legislature shall divide the state into four (4) water divisions, and provide for the appointment of superintendents thereof.

Sec. 5. There shall be a State Engineer, who shall be appointed by the Governor of the state and confirmed by the Senate; he shall hold his office for the term of six (6) years, or until his successor shall have been appointed and shall have qualified. He shall be President of the Board of Control, and shall have general supervision of the waters of the state and of the officers connected with its distribution. No person shall be appointed to the position who has not such theoretical knowledge and such practical experience and skill as shall fit him for the position."

That the purpose of the Nebraska Irrigation Laws of 1895

was to provide for the control and distribution of the waters of our state in the same manner as provided in the constitution of Wyoming may be seen by a comparison of the provisions.

Article 2, Sec. 42, provides: "The waters of every natural stream not heretofore appropriated, within the state of Nebraska, is hereby declared to be the property of the public, and is dedicated to the use of the people of the state, subject to appropriation as hereinbefore provided.

Article 2, Sec. 4. There is hereby created a State Board of Irrigation composed of the Governor, Attorney General and Commissioner of Public Lands and Buildings.

Article 2, Sec. 43. The right to divert unappropriated waters of every natural stream for beneficial use shall never be denied. Priority of appropriation shall give the better right as between those using the water for the same purpose; but when the waters of any natural stream are not sufficient for the use of all those desiring the use of the same, those using the water for domestic purposes shall have the preference over those using the same for manufacturing purposes.

Article 1, Sec. 1. The state of Nebraska is hereby divided into two water divisions, denominated Water Division No. 1, and Water Division No. 2, respectively.

The provision for a State Engineer is contained in Article 2, Sec. 7, as follows: "At its first meeting the State Board of Irrigation shall elect a secretary who shall be a hydraulic engineer of theoretical knowledge and practical skill and experience. He shall hold his office for a term of two years and until his successor is elected and qualified, and shall be paid a salary of two thousand dollars per annum, payable quarterly by the State Treasurer out of any funds not otherwise appropriated, upon warrant which shall be drawn by the State Auditor."

The state of Wyoming is not alone in the adoption of constitutional provisions abandoning or denying the existence of the common law doctrine of riparian rights. When the new

state constitution of Idaho was adopted, Article XV contained the following:

“Sec. 3. The right to divert and appropriate the unappropriated waters of any natural stream to beneficial uses shall never be denied. Priority of appropriation shall give the better right as between those using the water; but when the waters of any natural stream are not sufficient for the service of all those desiring the use of the same those using the water for domestic purposes shall (subject to such limitations as may be prescribed by law) have the preference over those claiming for any other purpose; and those using the water for agricultural purposes shall have preference over those using the same for manufacturing purposes.”

It may be seen by the foregoing that the common law riparian rights have been entirely ignored and abolished in Idaho.

In Arizona, the Territorial Bill of Rights provides: “All streams, lakes, and ponds of water capable of being used for the purposes of navigation or irrigation, are hereby declared to be public property; and no individual or corporation shall have the right to appropriate them exclusively to their own private use except under such equitable regulations and restrictions as the legislature shall provide for that purpose.”

The Statutes of New Mexico provide: “No inhabitant of this Territory shall have the right to construct any building to the impediment of irrigation of fields, such as mills or any other property that may obstruct the course of the water; as irrigation of the fields should be preferable to all others.” This law has been upheld by the supreme court of the territory in the case of *Trambly vs. Luterman*, in which the court held that the common law as to the rights of riparian owners was not in force in that territory.

In addition to the states and territories mentioned, the doctrine of riparian rights as to water have been ignored, abolished or modified in Colorado, Montana and Nevada.

The state legislature should provide for the submission of constitutional amendments embodying the fundamental princi-

ples of the Irrigation Laws of 1895, and providing for a State Board of Irrigation and creating the office of the State Engineer.



RESERVOIR IN DAWSON COUNTY NEAR GOTHENBURG. PLATTE RIVER IN DISTANCE.

FALL AND WINTER IRRIGATION.

The scarcity of water on many of the smaller streams late in the summer the past season emphasizes the necessity for applying water to the lands during the fall and winter, when the supply is usually sufficient for the needs of all appropriators.

It has been demonstrated that if the soil be thoroughly saturated during the fall and winter, a cereal or forage crop will require from one-third to one-half less water to mature the crop than if summer irrigation only, is practiced.

The freezing and thawing of the ground during the winter and early spring, which it can not have unless the ground is thoroughly saturated, seems to have a beneficial effect that mere plowing and watering does not secure.

It might be well to add in this connection that all lands under irrigation, to insure the best results, should be subsoiled to a depth of sixteen or eighteen inches. By this means the water is placed far below the roots of the plant, causing the roots to grow deep into the soil, lessening the effects of drouth and preventing the early evaporation of the water applied.

By utilizing the abundant flow of water during the fall and winter, a much larger area can be irrigated, and the distribution of the water can be accomplished with greater ease than when a growing crop covers the ground.

The amount of water that should be applied during the growing season to realize the best possible results depends upon the kind, quality and texture of the soil to which it is applied, as well as the kind of crop that is to be produced. For this reason no general rule as to the amount of water that should be applied to mature a crop can be adopted, although the greater danger when the supply is abundant is the use of too much water than not enough; especially is this so with inexperienced irrigators. A short or partial crop may result if an insufficient amount of water is used, but an over-supply may destroy the entire crop.

THE STATE BOARD OF IRRIGATION.

The wisdom of the enactment of the Irrigation Law of 1895, erecting a State Board of Irrigation and giving it judicial powers, has been demonstrated by the satisfactory adjudication of nearly one thousand claims growing out of appropriations attempted prior to the date of its approval.

These adjudications have been made with but little expense to the appropriators, and have harmonized the adverse and conflicting interests of individuals and communities throughout the arid sections of the state. In states in which the adjudication of rights to the use of water has been left to the courts, endless litigation has been the invariable result. It has impoverished and discouraged irrigators and investors, and promoted discord between neighbors and jealousy and strife between communities.

The necessity for a tribunal to which irrigators can go for a simple, inexpensive and final determination of the relative rights to the waters of a stream, or for the protection of those rights when once established, has been clearly demonstrated. In the absence of such tribunal, proceedings are instituted to quiet title, for an injunction against an adverse claimant, or a suit for damages for interfering with vested rights. It seldom happens that the first suit includes all the appropriators on a stream. Usually the suit is brought against a neighboring appropriator, although there may be scores of other appropriators fifty or one hundred miles away, who are equally responsible for the shortage. The relative rights of the parties to the suit are adjudicated by the court, and other suits are instituted. Sometimes all the irrigators of a community will unite against the district above, and the warfare goes on with little interruption, and the issues are fought over and over.

Mr. Elwood Mead, Irrigation Expert of the United States Department of Agriculture, states : "In 1890 a number of irrigators on Spanish Fork River, in Utah, brought suit to quiet their title to its water. Two years later the decision

establishing their right was entered on record. In 1893 other irrigators on the same stream brought suit to have the title to its waters again quieted. That lasted five years. In ten years the titles have been quieted four times, and another lawsuit to again settle them has just been instituted. Whether the water rights or the litigants will first be put to rest, is yet uncertain."

During the past two years the Board has been appealed to by appropriators on almost every stream in the state from which water was diverted for irrigation purposes, to adjust controversies between appropriators and between irrigators and those using water for domestic purposes. The Under Secretaries were instructed to give those desiring waiver for domestic purposes, including water for stock, the prior right in the distribution of water, and the controversies were amicably adjusted.

IRRIGATION DEVELOPMENT.

The state of Nebraska, extending for a distance of 450 miles east and west, presents a variety of climatic and agricultural conditions.

In the eastern section of the state, the abundant crops, highly improved farms and prosperous communities bear witness to the magnificent success of agriculture without the aid of moisture artificially applied. As we pass further west, however, the conditions change. The humid climate gradually shades off into the region of scanty rainfall and in western Nebraska irrigation is necessary for successful agriculture.

Of the entire state, more than one-third or about 16,000 square miles lie within the arid or semi-arid region where agriculture though a partial success in the most favorable seasons, is in the main a failure without irrigation.

In seasons of unusual rainfall, the remarkable productivity of the soil bears witness to its abundant fertility and gives promise of its possibilities when sufficient moisture is supplied and all the elements combine to produce a fruitful growth of plant life.

The water to irrigate this region must be supplied largely from rivers having their sources in Colorado and Wyoming, and while the supply is ample for the development of considerable areas, it will be necessary in the near future in order that irrigation development be not retarded to provide some system for the storage of flood waters that now go to waste and some equitable adjustment of inter-state rights to the use of the waters of inter-state streams.

INTER-STATE WATERS.

In the absence of any regulation of inter-state streams by national authority, the irrigators in Colorado and Wyoming may divert the waters of our principal streams, the South Platte and North Platte rivers, without any regards for the rights of prior appropriators in our own state.

That priority of appropriation gives priority of right to the use of public waters for irrigation purposes is recognized in the states and territories throughout the arid region. If this is just and equitable within the borders of each state it should apply with equal justice to the waters of a stream with its tributaries throughout its entire course without regard to the accident of the location of state boundaries.

Many controversies already exist between water users in adjoining states, and with the continuous increase in the use of water, controversies of this nature will become more numerous and involve the citizens of all contiguous states in the irrigated regions of the West. States have authorized the appropriation of funds to sustain suits against appropriators of water from streams flowing from adjoining states.

Thousands of acres of Nebraska land are under ditches which divert water across the state line in Wyoming and Colorado. Other ditches have been projected to take advantage of these conditions and avoid the enforcement of priorities in this state. These ditches if constructed, could, during periods of low water deprive irrigators who have complied with every requirement of our state laws of water to which they are justly entitled.

Probably the most notable instance of the evil effects resulting from the lack of national regulation of inter-state streams is presented by the conditions on the Arkansas river. This stream has its source in the mountains of Colorado and flows through a broad and fertile valley before it enters the state of Kansas. More than a million of dollars was expended in the construction of irrigation works in Kansas which depended

upon this stream for their water supply. The subsequent diversion of the waters in Colorado rendered these works practically valueless.

Our senators and members in congress should be urgently requested to use all proper means to secure the enactment of a law for the equitable adjustment of the rights to the use of waters of inter-state streams. The creation of an inter-state water commission with specific powers to which all controversies growing out of inter-state rights could be submitted for adjustment would probably be the most satisfactory solution of this important problem.



RESERVOIR AT KEARNEY.

STORAGE RESERVOIRS.

The Director of the U. S. Geological Survey, in his Tenth Annual Report, part 2, page 1, says:

“It is believed to be possible by an undertaking on a scale of adequate grandeur, to sieze the waters of the Missouri and its tributaries at a proper distance from their sources, and not only apply them to the reclamation of arid lands in the upper region, but thereby also benefit the agricultural territories adjacent to its lower currents, and even to mitigate the severity of the effects of the floods of the Mississippi on the agricultural lands of its borders.”

Destructive floods have occurred year after year along the Missouri and Mississippi rivers and the damage which they have done amounts to many millions of dollars. It is believed by many that these floods could be largely mitigated, if not entirely prevented, by a proper system for the storage of the flood waters of tributary streams. Millions of dollars have been expended on levees and other works for the protection of the lands adjacent to these rivers. The cost of construction and maintenance of the reservoirs and irrigation works for impounding and distributing the flood waters on a scale commensurate with the magnitude of the interests involved, would be so great that private enterprise could never accomplish the work successfully. The reclamation and the resulting settlement of the great arid plains in western Nebraska and adjoining states would be enormously beneficial to all sections of the country, creating new opportunities for settlers and home builders and new home markets for merchants and manufacturers and stimulate trade and commerce in all its branches.

“More than one-third of the country,” says the Secretary of Agriculture in his last Annual Report, “depends upon the success of irrigation to maintain the people, the industries and the political institutions of that area, and future growth will also be measured by the increase of the reclaimed area. In a region, which, in extent and diversity of its mineral wealth,

has no equal on the globe, the riches of the mines in the hills are already surpassed by the productions of the irrigated farms in the valleys, and the nation at large is at last awakening to the fact that the development of the use of the rivers and arid lands of the west will constitute one of the most important epochs in our increase in population and material wealth."

In his report on reservoirs, Captain H. M. Chittenden, Corps of Engineers, U. S. A., says: "Reservoir construction in the arid region of the west is an indispensable condition to the highest development of that section. It can be properly carried out only through public agencies. Private enterprise can never accomplish the work successfully. As between state and nations it falls more properly under the domain of the latter. * * * Of the great importance of irrigation, not only to the west but the country at large, there would seem to be no room for doubt.

To one who has seen the changes wrought in the once desert regions of California, Arizona, Utah, Wyoming, and Colorado, in what used to be as forbidden regions as any still remaining in that country, there can be no doubt that the destiny of this arid section of America is more dependent upon the waters that flow from its mountains than upon the minerals that lie concealed within them.

Already in the great mineral-producing states of the west, California and Colorado, irrigated agriculture yields a greater wealth of product than the mines. It is easy to point out many valleys in the arid regions, the future development of which, under irrigation, will sustain in each a population greater than that at present is to be found in the states where they are located."



Photo by H. A. Mark, Gering.

NORTH PLATTE VALLEY, SCOTT'S BLUFF COUNTY.

Enterprise Canal and New Burlington R. R. in foreground.

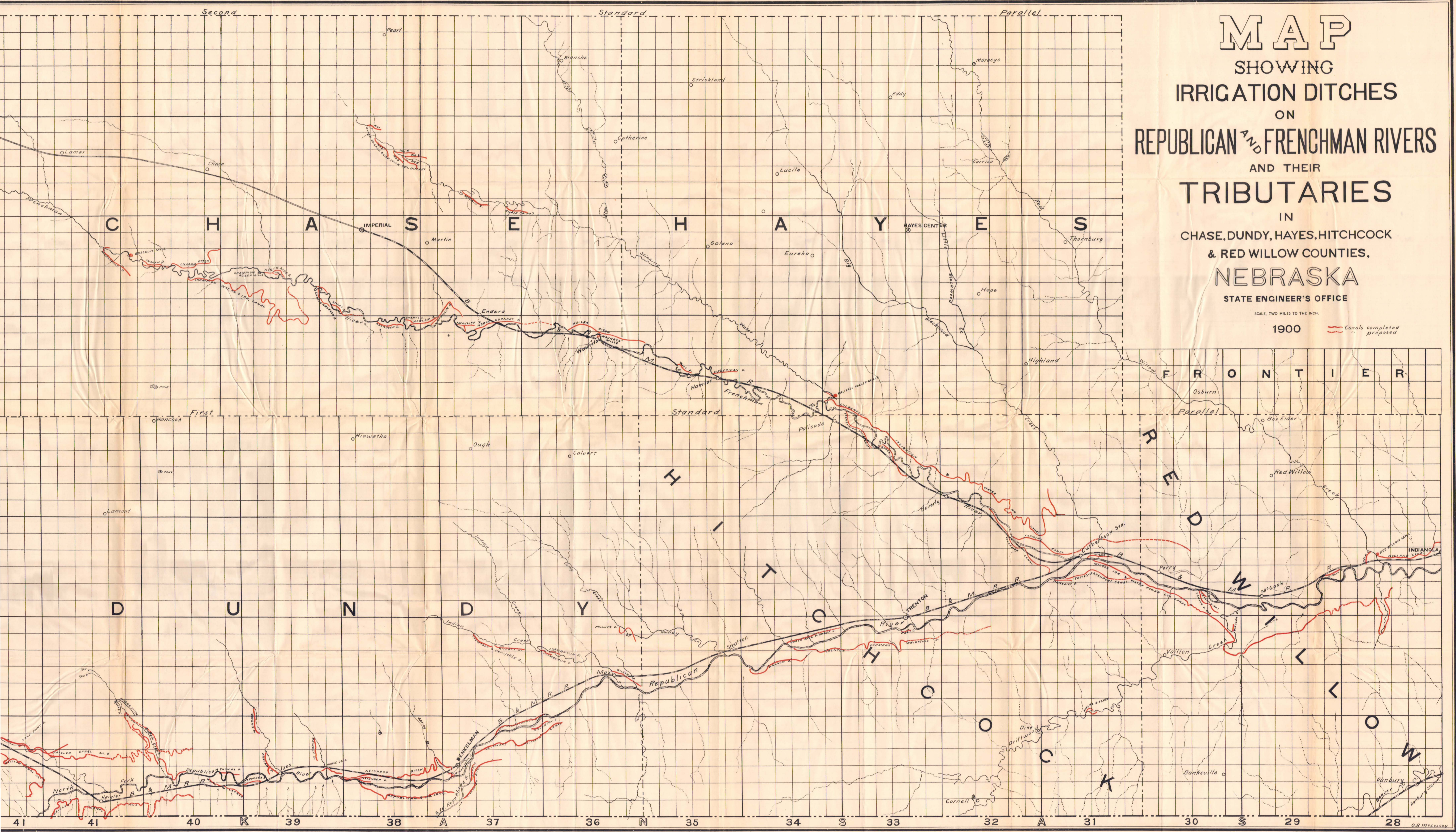
MAP

SHOWING
IRRIGATION DITCHES
ON
REPUBLICAN AND FRENCHMAN RIVERS
AND THEIR
TRIBUTARIES
IN
CHASE, DUNDY, HAYES, HITCHCOCK
& RED WILLOW COUNTIES,
NEBRASKA

STATE ENGINEER'S OFFICE

SCALE, TWO MILES TO THE INCH.
1900

Conals completed
proposed



THE NORTH PLATTE VALLEY.

Probably greater progress in agricultural development under irrigation during the past two years has been made in the North Platte Valley than in any other section of the state.

The recent extension of the Burlington railroad into and up this valley has opened up a market for the irrigated products that has given an added impetus to its development.

With its excellent water supply, its fertile soil, and nutritious native grasses, this valley is certainly destined to become one of the richest and greatest wealth-producing agricultural sections of the state.

Although in seasons of unusual rainfall, good crops are grown without irrigation, these exceptional seasons are far between and agriculture without water artificially applied is very hazardous in this section.

Water has been granted from the North Platte river for more than 400,000 acres of land, and there are many thousand acres more of rich valley and low table lands that may be brought under irrigation. In Scotts Bluff county alone between fifty and sixty thousand acres have been irrigated in this valley. That there need to be no scarcity of water for this vast territory if judiciously used, is shown by the results of the gaugings of the river at North Platte. The discharge of the stream at that point throughout the year was sufficient to cover more than 1,250,000 acres of land to a depth of one foot.

The high table lands on either side of the valley afford excellent grazing for thousands of head of cattle during the summer that may be wintered in the valley on the abundant crops of alfalfa and irrigated native hay, or, during the more favorable winters, may thrive on the sun-cured grasses with little if any other feed. Thus, cattle may be raised and brought to a marketable condition at a cost that affords a handsome profit to the producer.

The dairy industry is commanding attention in this section.

It has been found that alfalfa hay, which is produced by thousands of tons on the irrigated land of the valley, is an excellent milk-producing winter feed.

On account of the entire absence of cholera in the upper reaches of this valley, it is peculiarly adapted to the raising of hogs. They are kept in a healthy, growing condition on alfalfa pasture with but little other food and are quickly fattened with a few bushels of corn or sugar beets when of marketable size.

The production of cereals in this valley has been limited by a lack of proper transportation facilities.

The new railroad which traverses the valley from Cheyenne county westward has removed this impediment to development in the production of grains, and a greatly increase will no doubt result. The small grain raised by means of irrigation excels in quality that produced in the humid section of the state. Wheat raised under irrigation usually weighs from two to four pounds per measured bushel more than that raised by natural rainfall. This is also true of oats. It is not unusual for irrigated oats in this valley to weigh from thirty-eight to forty pounds per measured bushel.

Experiments have proved that this valley is admirably adapted to the cultivation of sugar beets of high quality. Just the right amount of moisture can be supplied during the period of rapid growth, and then the supply diminished and the beet matures without being subjected to the damaging rains of eastern localities.

PUMPING WATER FOR IRRIGATION.

Pumping water for irrigation purposes has been practiced for ages in European and Asiatic countries. In Egypt, India, China and Japan, a large portion of the irrigation is carried on by means of water pumped by animal or man power. In portions of Europe, modern machinery has supplanted to a great extent the ruder methods of raising water, still practiced in oriental countries.

In his report on irrigation in India, Herbert M. Wilson, says: "As an indication of the extent to which wells are employed in irrigation, we find in the Central Provinces 650,000 acres irrigated from tanks, while 120,000 acres are irrigated from wells. In Madras, there are 31,000,000 acres under cultivation, of which 5,320,000 acres are irrigated by canals and tanks and 2,000,000 acres by 400,000 wells. In the northwest provinces in 1888, the area irrigated by wells was 358,600 acres, or 23.6 per cent. of the whole area under irrigation. In Coimbatore, there are said to be 100,000 wells sunk, in many cases through hard rock, to a depth of 80 or 90 feet, and capable in ordinary seasons of irrigating one to four acres."

In our own country, the possibilities of irrigation from wells is yet scarcely appreciated, although in the past few years, numerous pumping plants actuated by wind, water, gasoline and steam power have been erected and under favorable conditions, have proved efficient and economic for irrigation of small tracts. The comparative small cost of installation and the high wind velocities prevailing in western Nebraska, have brought the windmill as a means of irrigation into favor in that section.

As the supply of surface water becomes more nearly appropriated, the growth of windmill irrigation will be more rapid. The broad valleys of streams, affording an inadequate supply of surface water, yet have an inexhaustible supply of "under-

flow" or underground water at a depth of from 10 to 50 feet afford inviting conditions for the utilization of wind power for raising water for irrigation purposes.



PUMPING WATER FOR IRRIGATION.
John H. Kersenbrock's Plant on Blue River

LOSS OF WATER IN TRANSMISSION.

In the distribution of water, the question of the authority of the Board to increase the appropriation to provide for the loss of water from canals by evaporation and seepage has been raised. On account of the sandy nature of the soil through which some canals are constructed or the great distance to which the water is conveyed before the place of intended use is reached, much water is lost by seepage and evaporation.

In granting these appropriations no allowance was made for loss in transportation, it being held that one cubic foot of water per second for each seventy acres is sufficient when properly distributed to irrigate the land and provide for all necessary loss.

In some cases it has been found necessary in justice to appropriators to permit the diversion of a greater volume of water than the appropriation calls for during periods of high water, and at times when other appropriators are not injured thereby, so that it may be deposited in canals where the loss from percolation is great and thus reduce the loss.

In all cases where to increase the amount of the appropriations to provide for this loss would deprive others of the use of water to which they are entitled, appropriators are restricted to the amount of the appropriation.

To attempt to make allowance for this loss which varies greatly with the amount of water carried in the canal and the changeable atmospheric conditions would introduce an element of uncertainty that would result in much annoyance to irrigators and so complicate the work of distributing the water that an increase in the number of under assistants would be necessary to preserve the present efficiency of the service.

FEEES FOR RECORDING APPLICATIONS.

There is no provision in the Irrigation Law for fees for recording applications for permits to appropriate the water of the state. Under present conditions parties who have no well defined plans for constructing ditches, or who wish to secure permits for speculative purposes, file applications simply because it costs nothing.

In many cases the applications are filed before surveys of the proposed ditches have been made. Lands are included that could not be watered, and it is necessary to have the application examined by an assistant in the field before it can be approved or dismissed.

The applications are examined by the Secretary when received, and many of them are incomplete and much correspondence is involved in correcting them. When correct, they, together with the accompanying plats of the proposed works, are recorded in a book provided for that purpose.

This work occupies much of the time of your Secretary and assistants, and the expense of providing blanks, books, postage and other incidentals connected with this work is considerable.

One hundred fifty-eight applications have been dismissed and abandoned since the date of the last biennial report. Many of these would probably never have been filed if there had been any fee for recording them.

It is believed that this abuse of the state's liberality would be checked to some extent by changing the law so that a fee of two dollars for recording the applications and the accompanying plats would be provided.

SALARIES.

Section 7, Article 2, Nebraska Irrigation Law reads as follows:

“At its first meeting the state board of irrigation shall elect a secretary who shall be an hydraulic engineer of theoretical knowledge and practical skill and experience. He shall hold his office for a term of two years and until his successor is elected, and qualified, and shall be paid a salary of two thousand dollars per annum, payable by the state treasurer out of any funds not otherwise appropriated, upon warrant which shall be drawn by the state auditor.”

The last legislature appropriated only \$3,600 for this office for the present biennium, leaving a deficiency in the salary of the secretary of \$400.

The state engineer of Colorado receives an annual salary of \$3,000. The state engineer of Wyoming is paid \$2,500 per annum.

The office of state engineer and secretary is an important one, and in view of the extent of the interests involved, the responsible character of the duties of the office and the professional skill required, the compensation is only moderate.

The law provides that the assistant secretary shall receive an annual salary of \$1,200. The appropriation for the present biennium leaves a deficiency of \$400. What has been said regarding the importance of the duties of the office of secretary may be said of this office. The compensation fixed by law is no more than is paid in many cases where no professional skill is required and much less responsibility involved.

REPORTS.

One thousand copies of the second biennial report of the Secretary were printed, and with the exception of a few copies reserved for the use of assistants in the field and for reference in the office, the supply was exhausted during the first half of the present biennium. It has been necessary to refuse many applications for these reports, coming from ditch companies, attorneys, engineers and others interested in irrigation and it was with regret that they could not be supplied.

There is a constant and increasing demand for these reports. The number of copies should be increased to twelve hundred or fifteen hundred.

MAPS.

The plates from which the maps in the Secretary's last biennial report were printed, were unfortunately destroyed by fire. The office has received many requests for copies of these maps, but was unable to comply with the requests. To prevent a recurrence of this disaster, arrangements were made whereby at a small additional cost the plates from which the maps in this report were printed became the property of the state. These plates will be preserved and with slight changes to bring them up to date, new maps may be printed when required at a comparatively small expense. Formerly the number of maps printed were limited to the requirements of the Secretary's report. In addition to these published with this report, 500 copies of each map have been printed and a large number of these sent out in compliance with requests received from ditch owners and from parties in other states desiring to locate on irrigated lands.

"NEEDED AMENDMENTS."

In the last biennial report of the Secretary, attention was called to some changes which the Secretary believed should be made in the irrigation laws. The experience of the office during the past two years has emphasized the necessity for the changes suggested. The suggestions referred to are as follows:

TIME DISTRIBUTION OF WATER.

“Provision is needed for a time distribution of water to claimants having small appropriations. Under the law, the maximum allotment of water for irrigation is 1-70 of a cubic foot per second for each acre reclaimed. On many of the small streams the areas susceptible of irrigation are limited to a few acres, often only a garden. There may be water enough in the stream at the maximum allowance for all the appropriators, but if each claim is restricted at all times to this allowance, the volume allowed to each is so small that it is impossible to distribute the water to the crops. If the full flow of the stream or so much of it as the appropriator is able to use without waste could be allowed to each for a limited time, the crop could often be irrigated in a few hours without waste of water and with a great saving of time in distribution. The time allotment should be proportioned to the area to be irrigated, due regard being had to the rights of prior appropriators.”

REPORTS.

“There should be provision for a report from each claimant as to the amount and kind of crops to be irrigated.

In time of scarcity of water each claimant is restricted to the volume actually needed by the crops to be irrigated at that time. When an under assistant is called to supervise the distribution of water, he needs to know the area under crop at that time needing irrigation. If he must determine this after he is called to distribute the water, valuable time will be wasted and crops may be ruined before he can secure the necessary information. If, at the beginning of each irrigating season, a report were required from each water user as to the amount and kind of crops to be irrigated during that season, the problem of distribution would be much simplified to the under assistant and the service correspondingly improved.”

EXAMINATION OF PLANS AND ESTIMATES FOR IRRIGATION DISTRICTS.

“Propositions for bonding irrigation districts should not be submitted to vote until the plans and estimates have been examined and approved by an officer of the Board. The law as it stands is open to grave abuse. Lands that are in nowise benefited are often included in districts and taxed for the construction and maintenance of ditches. After the bonds are issued, these lands are part of the security for the payment of the bonds, and there is no way of securing the release of lands not benefited except through the consent of the bondholder and a majority vote of the electors of the district. To secure the release of such lands when there are outstanding bonds is practically an impossibility. The cost of construction and maintenance is not always proportioned to the value of the lands reclaimed, nor to the market value of the crops which can be produced. The estimates as to cost are in some cases inadequate and misleading. The amount of unappropriated water is not always carefully estimated. If serious mistakes are made in the estimates or any of the last three items, the result is alike disastrous to the owner of the land and to the purchaser of the bonds. It is believed that some safeguard should be provided against these errors.”

REGISTRATION OF BONDS.

“When the district law was passed, the necessity for the registration of the bonds seemed to have been overlooked. This should be remedied by an amendment providing for the registering of these bonds with the Auditor of State, as in the case of other bonds.”

ADJUDICATION OF CLAIMS FOR POWER.

“Some further provision should be made for securing the adjudication of claims for power purposes on streams in middle and eastern Nebraska, where irrigation is as yet but little practiced, but where there is a growing demand for the use of water. On the streams of eastern Nebraska there are many valuable mill claims, established before there was any special legislation as to the use of water. Of many of these claims we have no record. The appropriations for irrigation from these streams are as yet few in number and small, but, with increasing knowledge of the possibilities for and the benefits to be derived from irrigation, the demand is growing. Ultimately all the unappropriated water will be made use of.

Inquiries concerning the appropriations from these streams are often addressed to this office by parties who desire to use water. With an incomplete record the answers can not be satisfactory. When an application is filed on such a stream, no action can be taken without a special investigation to determine what uses have already been made of the water. An amendment which would compel registration of these claims would save the mill-owners from much future trouble and anxiety, would facilitate the appropriation and use of surplus water, and would greatly expedite the work of this office.”

POWER TO ADMINISTER OATH, ETC.

“Some inconvenience has been felt at times because the powers of the officers of the Board when conducting hearings were not well defined. This should be remedied by an amendment giving the Secretary and Under Secretaries, when conducting hearings, power to administer oaths, to issue subpoenas, to compel attendance of witnesses, and to enforce proper order and decorum in proceedings at such hearings.”

OFFICIAL SEAL.

“The Secretary should also be authorized to provide the office with an official seal, and all papers of official nature should be marked with this seal.”

ACKNOWLEDGEMENTS.

The co-operation of the United States Geological Survey in the work of stream gaging has enlarged the scope of this work to an extent far beyond what could have been accomplished by this office alone, without greatly increased appropriations.

Much credit is due the Assistant Secretary, A. B. McCoskey, for the faithful, conscientious and efficient service rendered the state. He has earnestly assisted in all measures to increase the efficiency of the department.

I desire to express my appreciation of the efficient work of the under secretaries, whose duties in the distribution of water and adjustment of controversies between users of water for the various purposes, call for the exercise of good judgment and rare discretion.

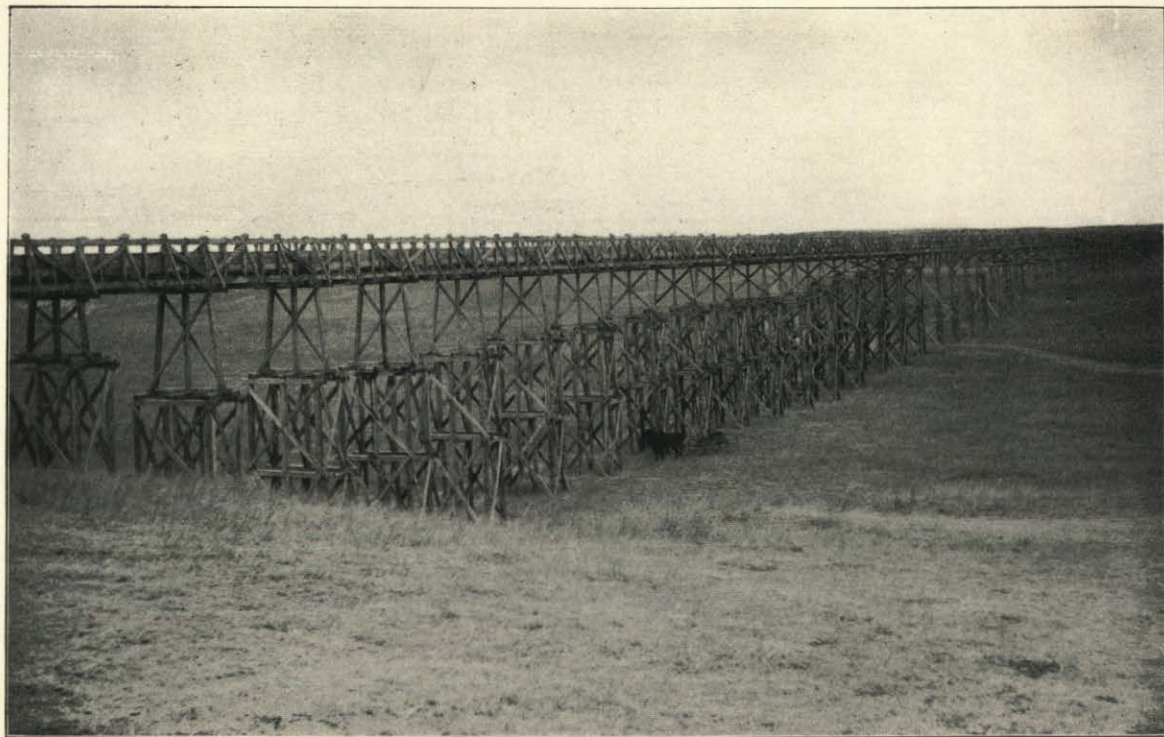
I desire to commend, also, the work of the under assistants in the several water divisions, and other assistants in the office and field.

To the members of the Board, I desire to express my sincere thanks for much valuable assistance. Their wise counsel has been most helpful and encouraging at all times.

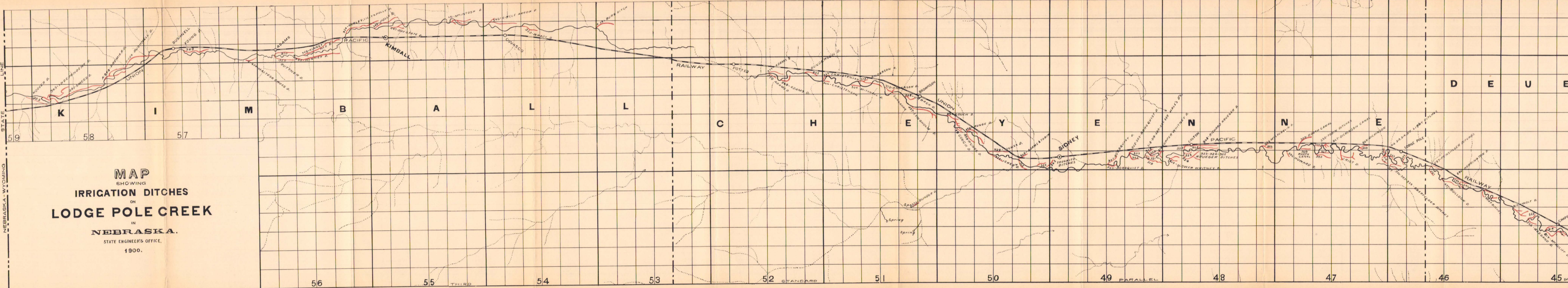
Respectfully submitted,

C. B. CHANNEL,

State Engineer, Secretary.



FLUME ON MIRAGE CANAL IN SHERIDAN COUNTY



MAP
 SHOWING
IRRIGATION DITCHES
 ON
LODGE POLE CREEK
 IN
NEBRASKA.
 STATE ENGINEER'S OFFICE,
 1900.

STATE LINE
 NEBRASKA - WYOMING

56 - N

REPORT OF T. J. O'KEEFE, UNDER SECRETARY
DIVISION 2.

C. B. Channel, State Engineer, Secretary.

DEAR SIR:—I submit herewith my report of work and conditions in Water Division No. 2, since my appointment as Under Secretary in May, 1899.

In assuming my duties, there were numerous calls from claimants and stockmen for my interference to prevent others from taking too much water. This was particularly true of the White river, Hat creek and Niobrara districts. The claims for water which have been allowed by the Board, together with the applications for permits granted, in many instances exceeds the amount of water in the respective streams at all ordinary stages of water, and I find that some of the claimants appear to lose sight of the fact that the date of priority affects them any, and in this way much confusion ensues. During the hot summer months the small tributary streams upon which claims and permits have been allowed, are practically sufficient for stock and domestic purposes only, but irrigators will persistently take the water, and the streams below will for the most part be dry. The water in these streams has been lower during the past two years than ever before in the recent history of the country. The flow in these streams during the winter and spring months is usually large, and I have urged the irrigators to make use of the water during these plentiful seasons. This method, and storage reservoirs will be the only adequate remedy against the drying up of these streams during the hot months. I have noticed that the seepage from ground that has been irrigated during the winter and fall, will greatly increase the flow of the stream below the irrigated land.

In the Niobrara river district complaint was made that the irrigators took all the water from the Marsland mill (Rolls) and I closed all the irrigation ditches above the mill which had not a priority and got sufficient to the mill for working purposes. About two months ago the mill was struck by light-

ning and was totally destroyed by fire. It is improbable that it will ever be erected again.

During the past two years I have been called upon to visit and examine and adjudicate between irrigators on almost every stream in the western portion of my district, and on almost every irrigation ditch, and in all cases except one I have been able to make an amicable adjustment between the contending parties. On this one occasion the party holding up the water on a small stream had no right whatever granted or recognized by the State Board, but he claimed to have the right by usage, and refused to let the water go. I tore away his dam myself, and the claimant has not interfered with the water since then.

The waters of the White river have been tied up by injunction in a case pending in the supreme court, and on advice of the Board during the last summer I have not interfered with the gates of the Crawford Company.

I have only one complaint from the Niobrara river on account of shortage of water for stock purposes, and that was during the month of August last, and came from a point a few miles below the point of diversion of the Mirage canal. The difference was adjusted amicably.

While the seepage from irrigated lands increases the flow of the streams, and will eventually do so to a greater extent, the mode of using the water during the summer months, to the exclusion of the months when the water is plentiful, makes irrigation on the small tributary streams practically a failure. The water must be stored or used during the plentiful season in order to make it a success, and this must be impressed upon the irrigators.

I believe that the only solution to the water scarcity problem is in the storage of the water in reservoirs, on a scale which it will be almost impossible to get private capital interested, and this should be done by State or Federal aid.

Respectfully submitted,

T. J. O'KEEFE,

Under Secretary.

REPORT OF E. D. JOHNSON, UNDER SECRETARY,
DIVISION 1-A.

C. B. Channel, State Engineer, Secretary:

DEAR SIR—I herewith submit to you my report of the work done by me since my appointment to the office of Under Secretary of Water Division No. 1.

The work done by my predecessor, H. H. Pickens, on Lodge Creek and the Frenchman river, greatly assisted me in my work.

Under your instructions I made examinations of complaints along the Frenchman. At times I was assisted in this work by Under Assistant Robert Bush, of Trenton. On this stream we had a great many complaints, all of which have been adjusted satisfactorily except Docket No. 47, which while temporarily settled, will require more attention at an early date for permanent settlement.

At Orleans, on the Republican river, I have had trouble in furnishing water for stock during the irrigation season. So far, no remedy has been found, the Republican river not affording sufficient water to flow throughout the season when the headgates of the canals are closed.

The Platte river, east of Range 23, was dry during the summer of 1899 for a period of about forty days, and during the present year it was dry for more than sixty days. If the water is used freely during the early part of the season, sufficient moisture will be retained by the soil to mature the crops, and but little damage will result from this shortage late in the season.

The water that runs to waste during the months of April, May, June and July would, if controlled by means of a proper system of storage reservoirs, irrigate more than a million acres of land.

There was no shortage of water in the North Platte or Blue river during the season of 1899 and 1900. Under these streams there has been a large area of fertile land watered

with encouraging results. Assistant Dailey's help has been invaluable in this territory.

On Lodge Pole creek considerable work has been done in adjusting controversies between appropriators. I have been ably assisted in this work by Under Assistant C. S. Osborn, of Sidney, and the controversies have been amicably adjusted. Because of the small flow of the stream, and the fact that the water of the stream disappears at intervals and reappears at lower points, the equitable distribution of the water presents many perplexing difficulties.

On Pumpkin Seed creek the work has been done wholly by Robert H. Willis, Under Assistant, and no doubt has been satisfactory, as no complaints have been filed with me.

I have made since my appointment about one hundred gaggings of the discharge of streams and canals in my district, some of which have been previously reported and reports of others are transmitted herewith.

During all my dealings with the many appropriators in my division, I have found an almost universal willingness among the people to accept and abide by the rulings of the board without the slightest hesitation, and with no further thought of appealing to the courts.

Concerning the sixty-five final proof cases now in hand, I can but say they are being dealt with as expeditiously as is possible, but will not be finished in time to be included in this report. The users of water are learning to take advantage of the fall and winter flow of the streams instead of waiting until the low water period during the growing season, and are deriving great benefits heretofore unobtained.

By more generally adopting the plan of thoroughly saturating the soil during the fall and winter, when the flow of the stream is greatest, the appropriators will be enabled to irrigate a much larger acreage than can be covered if water is used during the growing season only.

In accordance with your instructions, I have always recognized the right of those using water for domestic purposes as

superior to the rights of irrigators on the small streams, and in the distribution of water, have endeavored to supply water for domestic purposes first when the supply was not sufficient for all.

Each year as the people observe the benefits derived from water when properly applied, the area irrigated is gradually extended and the methods employed are improved.

Respectfully submitted,

E. J. JOHNSON,

Under Secretary.

REPORT OF PROF. O. V. P. STOUT.

The tables of discharge of rivers at the gaging stations of the United States Geological Survey have been obtained through a continued adherence to the methods which have been described in previous reports of the State Engineer.*

When a stream has been a subject of record in respect to its discharge for a period covering several seasons, it becomes doubly important that the record should not be interrupted or abandoned. The records for additional seasons are important not only on their own account, but because each addition increases the value of all of the previous record. Only the most complete and trustworthy information concerning a stream will serve as a proper basis for the estimation of its value for any industrial purpose and as a guide to the framing of legislation relating to the control of the waters of the streams. A knowledge of the variations in the rate of discharge of a stream throughout a long period of time is indispensable to the authorities who are charged with the responsibility of preventing the over-appropriation of the stream. The fact that no records had been kept to make such knowledge available to the early administrators of the irrigation waters in western states was a cause of considerable perplexity, and the measurement of the flow of streams was therefore made one of the first duties of state engineers. The stream work of the Geological Survey, under the direction of Mr. F. H. Newell, has from the first maintained close relations with the irrigation departments of the different states. In Nebraska an arrangement with the State Engineer has been in effect which provides that the results of the hydrographic work of either party shall be immediately available for the purposes of the other.

Resident hydrographers are in receipt of recent instructions to the effect that the notes on the discharge of streams shall be made public at the earliest practical date in all quarters where they may be of immediate value. To this end it is pro-

posed during the approaching season to transmit weekly reports of the discharge at gaging stations to the state papers and to such local papers as may desire to publish them.

O. V. P. STOUT,
The University of Nebraska

RULES ADOPTED BY THE STATE BOARD OF IRRIGATION IN THE MATTER OF ADJUDICATIONS AND HEARINGS.

1. The adjudication of the rights claimed to the use of the public waters of the state for irrigation and other useful purposes, as provided by the irriagateon law approved April 4, 1895, shall be conducted by watersheds of the state as defined by the Secretary of this Board.

2. The first adjudications of the rights of claimants shall be conducted for the purpose of determining the validity of claims, the land or territory covered, in the case of Irrigation canals; the date when the work must be completed, in the case of uncompleted canals; and the time within which the water claimed must be applied to the beneficial use for which it is appropriated.

3. Such adjudications within any watershed of the state shall be preceded by hearings to be held in each county comprising such watershed, wherein notices of appropriation were recorded prior to April 4, 1895; Provided, That the hearings for two or more counties may be held at the same time and place if the Secretary of this Board deems expedient.

4. Said hearing shall be held for the purpose of receiving testimony offered by the parties in interest, in support of rights claimed, and shall be presided over by the Secretary, Assistant Secretary, or one of the Under Secretaries of this Board, who shall keep a complete record of the proceedings thereof.

5. All evidence, whether oral or in the form of depositions, shall be submitted in typewritten form. If oral, it shall be taken down and transcribed at the expense of the claimant offering the same.

6. Claimants may appear in person or by attorney, but appearance must be made on the day or days specified for the hearing for the county within which the said claim is located.

7. Claimants having filed with the Secretary of this Board, ten days previous to date of first hearing announced, claim affi-

davits in the form prescribed, and entitled, "Claim for the Waters of the State of Nebraska," need not appear at said hearings unless they wish to offer additional testimony in support of their claims.

8. Points of law made by claimants or their attorneys, together with the authorities cited in support of the same, must be submitted in typewritten form.

9. The record in the case of each claim shall consist of: First—The original notice filed with the county clerk. Second—A claim affidavit signed and verified. Third—Additional testimony offered at hearing in support of claim. Fourth—Points of law, and authorities cited in support of same, submitted in writing. Fifth—Decision of Secretary.

10. All matters set forth in claimant's notice of appropriation posted at the proposed point of diversion and filed with the county clerk in accordance with the provisions of the irrigation law of 1889, and the claim affidavit in the form provided by the State Board of Irrigation entitled "Claim for Waters of the State of Nebraska," filed with the Board in support of claim, together with other *exparte* affidavits offered for the same purpose, shall be accepted as true, provided there shall be no contest in reference thereto, or that the contrary shall not appear upon investigation by the Board or an officer thereof upon its own motion.

11. In case a claim affidavit has not been filed in the form, and at or before the time prescribed, with the State Board in support of a claim deemed to have accrued prior to April 4, 1895, failure to make appearance and file such affidavit at the time and place of hearing set for the county within which such claim is located shall be deemed to constitute an abandonment thereof.

12. If the postoffice address of a claimant of record is unknown, the said rules and notice shall be mailed to said claimant in care of the county clerk of the county in which the claim is located.

RULES GOVERNING PRACTICE IN MATTERS OF CONTEST.

1. Any party desiring to contest a claim shall file with the State Board a written notice of contest including a statement of the grounds thereof, together with a verified proof of service of a copy of said notice and statement upon the opposite party. Within fifteen days from the date of service of said notice and statement the contestee shall file with the State Board his answer thereto, if any he desires to make, together with a verified proof of service of a copy thereof upon the contestant, and shall then have ten days from the date of service of said answer in which to file with said Board a reply; Provided, however, that the State Board may extend the time for answer and reply upon good cause shown.

2. Where the contestee is a non-resident or cannot be found within the state, then the said contestant shall file with the Board in lieu of said verified proof of service of affidavit setting forth the facts, whereupon the Board will designate some newspaper published at the county seat of the county within which the original notice of appropriation was filed, in which newspaper shall be published for three successive weeks a notice setting forth, namely, (a) that such contest has been instituted, together with the name and residence of the contestant or his attorney of record; (b) the name of the claimant and the name of the stream from which the contested appropriation is claimed, together with the date upon which the notice of such appropriation was filed with the county clerk; (c) that a notice of contest and statement of the grounds thereof is on file with the State Board; (d) the date upon or before which the answer must be filed by the contestee, which date shall not be earlier than ten days from the last date of publication of notice.

3. On or before the date set for the filing of the contestee's answer said non-resident or absent contestee shall file the same with the State Board, together with a verified proof of service or a copy thereof upon the contestant or his attorney of record.

4. The said statement of grounds of contest and answer thereto shall be verified.

5. Service upon corporations may be made upon the same officers and in the same manner as provided in the case of a summons issued by a court of law.

6. Proof of publication of the above notice shall be filed with the State Board on or before the date set for the filing of the contestee's answer.

7. When the issues have thus been made up, the State Board will set a place and date for taking testimony and the hearing of the cause, and each party thereto will be notified thereof by mail or otherwise as the Board may determine.

8. At the time and place designated for hearing, each party shall produce his evidence, the contestant opening and closing. Oral arguments may also be heard in the discretion of the Board.

9. Continuances may be granted in the discretion of the Board to either party at or before the time for hearing, upon good cause shown.

10. The testimony offered may be oral or by deposition. If oral, it should be taken down by a stenographer and transcribed at the expense of the party offering the same, except in the case of cross-examination, the expense of which shall be borne by the opposite party; the stenographer to receive twenty cents per folio therefor, payable at the time such evidence is offered. Depositions submitted must have been taken in accordance with the rules governing in a court of law. Affidavits will only be received in *ex parte* matters.

11. Copies of opinions handed down by the Secretary in matters of adjudications and contests shall, upon the same day as the date of such opinions, be mailed to parties in interest.

12. If the post-office address of any person is unknown, then the decision of the Secretary shall be mailed to said claimant in care of the county clerk of the county within which the claim is located.

RULES GOVERNING IN APPEALS FROM THE DECISION OF THE SECRETARY, IN MATTERS OF ADJUDICATIONS AND CONTESTS.

REHEARING BEFORE SECRETARY.

1. Any person deeming himself aggrieved by any decision of the Secretary may, at any time within ten (10) days after the receipt of a copy of such decision, file with said Secretary an application for a rehearing. Said application shall set forth the grounds relied upon for such rehearing in ordinary and concise language, and shall be supported by affidavit. No appeal to the Board shall be allowed until such motion has been made and the same acted upon by the Secretary.

APPEAL TO STATE BOARD.

1. Any person deeming himself aggrieved on account of any decision of the Secretary on rehearing may appeal to the State Board of Irrigation by filing, at any time within fifteen (15) days after the date of such finding, a notice of appeal, accompanied by typewritten brief, together with proof of service of said notice and brief upon the parties adversely interested; all pleadings, motions, affidavits, etc. to be typewritten.

2. An appeal, claim or contest will be reviewed by the State Board of Irrigation upon the brief or briefs submitted, and the parties thereto will be informed of the decision of said Board as provided by law.

REHEARING BEFORE STATE BOARD.

1. Any person deeming himself aggrieved by any decision of the State Board of Irrigation on appeal from the decision of the Secretary may, at any time within forty (40) days after the receipt of a copy of said findings, file with the State Board a motion for a rehearing. Such motion shall specify the ground upon which the application for rehearing is based, shall be supported by affidavit, and shall be accompanied by a separate typewritten brief.

2. Decisions of the Secretary from which appeals are not taken as herein provided will be affirmed by the Board.