

1988
HYDROGRAPHIC REPORT

STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES

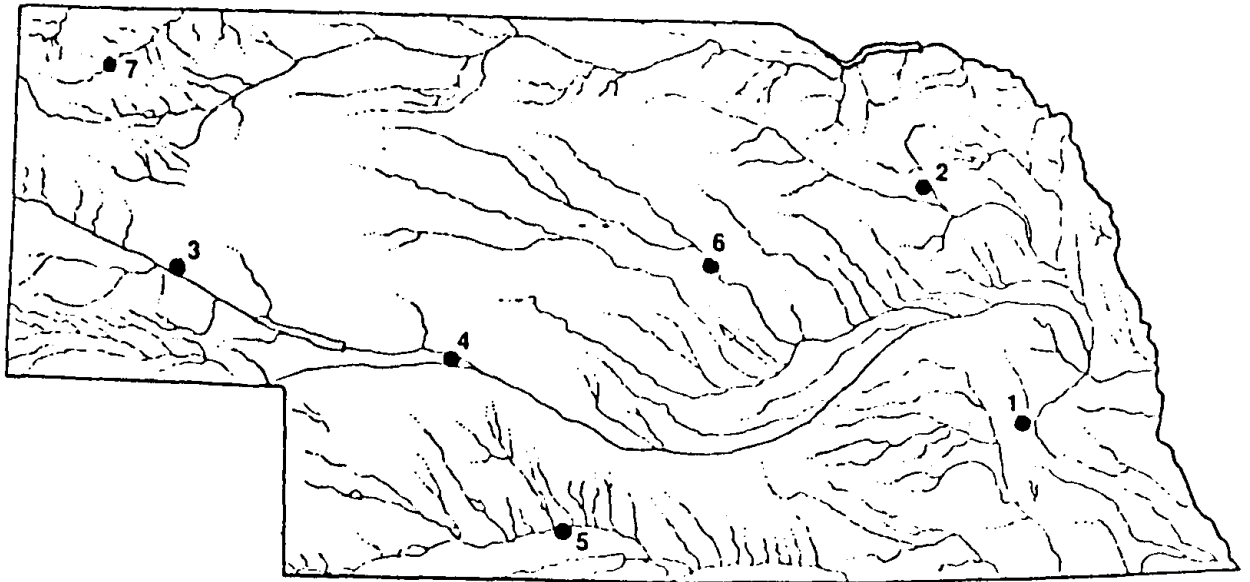
STATE OF NEBRASKA

DEPARTMENT OF WATER RESOURCES

**DISCHARGE RECORDS OF STREAMS, CANALS, PUMPS
AND STORAGE IN RESERVOIRS**

1988

**Prepared Under the Direction of Michael Jess, Director
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1988

HYDROGRAPHIC REPORT

INTRODUCTION

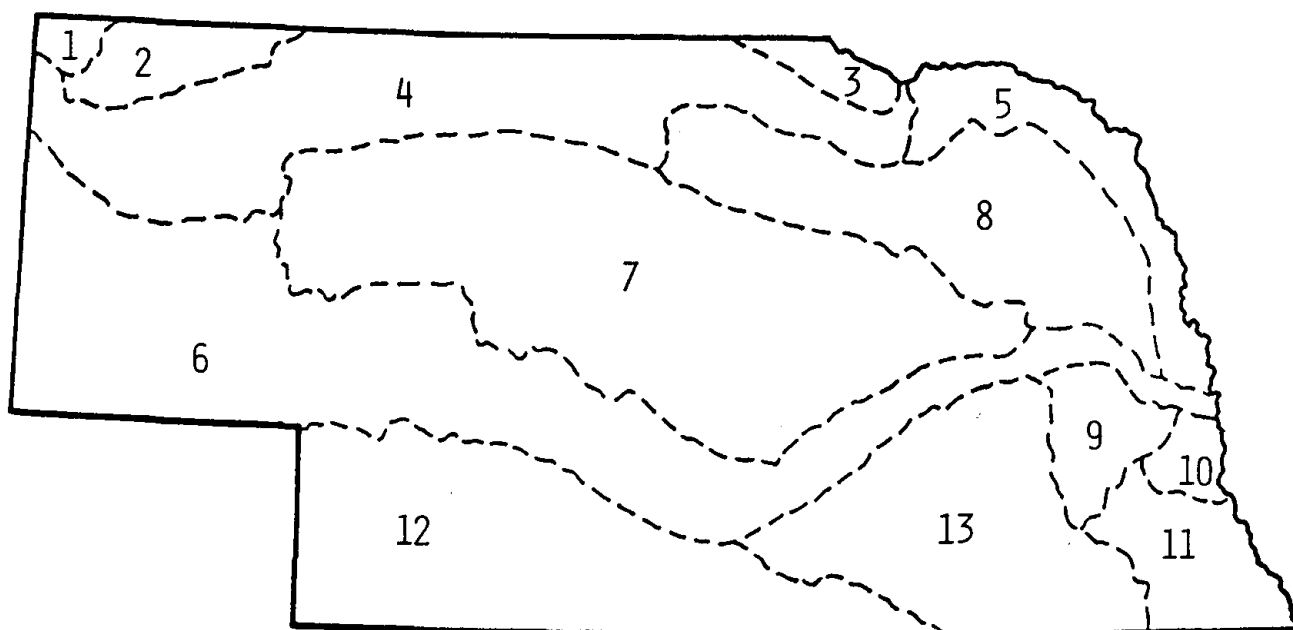
The Hydrographic Report provides a record of streamflow, diversions for irrigation, power, reservoir storage and related data pertaining to water flow and use in Nebraska in accordance with the Department of Water Resources statutory authority granted under Statutes 46-212, 46-227, and 46-234. All measurement sites are referred to the legal coordinates of Section, Township, and Range, East or West of the 6th Principal Meridian. The records are listed in order from upstream to downstream according to the river basin and subbasin map shown on page iv.

The basic stream gaging program in Nebraska is carried out under a cooperative agreement between the Water Resources Division, United States Geological Survey and the Nebraska Department of Water Resources. These records are published annually by the U.S. Geological Survey in the report titled Water Resources Data for Nebraska. The additional streamflow records published in this Hydrographic Report are collected by the Department of Water Resources in cooperation with organizations acknowledged in the record. Storage data for reservoirs in the Papillion and Salt Creek Basins was provided by the U.S. Army Corps of Engineers, Missouri River Division.

Data from both the gaging stations operated under the cooperative agreement and those operated by the Department are available from the Nebraska Natural Resources Commission's computerized Data Bank. Streamflow, canal diversion and reservoir storage records for years preceding this year's data published in this report, may be retrieved by contacting the Data Bank Administrator, Nebraska Natural Resources Commission, P.O. Box 94876, Lincoln, Nebraska 68509-4876.

Most of the stream gaging activity in the state of Nebraska is published in the Department's Hydrographic Report and the Water Resources Data for Nebraska published by the U.S. Geological Survey.

Copies of the Hydrographic Report may be obtained by addressing the Department of Water Resources, P.O. Box 94676, Lincoln, Nebraska 68509-4676. Copies of the publication Water Resources Data for Nebraska may be obtained by addressing the District Chief, U.S. Geological Survey, Room 406, Federal Building and U.S. Courthouse, Lincoln, Nebraska 68508, or the Department of Water Resources.



Data in each section of this report is listed in the following basin order:

1. HAT CREEK
2. WHITE RIVER
3. PONCA CREEK
4. NIOBRARA RIVER
5. MISSOURI RIVER TRIBS. (NIOBRARA TO PLATTE)
6. PLATTE RIVER
7. LOUP RIVER
8. ELKHORN RIVER
9. SALT CREEK
10. MISSOURI RIVER TRIBS. (PLATTE TO NEMAHA)
11. NEMAHA RIVERS
12. REPUBLICAN RIVER
13. BLUE RIVERS

EXPLANATION OF DATA

The hydrologic data presented in this report was obtained during calendar year 1988. All instantaneous and daily discharge values are expressed in cubic feet per second. Monthly and annual discharge values and reservoir storage totals are expressed in acre-feet. The data may be converted to other common units of measurement using the table of equivalents listed below:

1 cubic foot	7.48 gallons or 62.4 lbs. of water
1 cubic foot	0.02832 cubic meters
1 acre-foot.	43,560 cubic feet or 325,851 gallons
1 cubic foot per second (cfs).	448.8 gallons per minute
1 cfs for 24 hours	1.983 acre-feet
1,000 gallons per minute	2.23 cfs
1,000 gallons per minute	4.42 acre-feet per day

The data presented in the first section of the report includes mean daily discharges for streams and canals, and both daily and monthly reservoir storage values. The mean daily discharge values were obtained from water stage recorders, or readings taken by an observer.

The water diverted from streams into canals is measured at gages located as near as possible to the canal headgates. The legal description of the land on which the measuring device is situated is provided in the heading for each record. The length of time that the station has been operated is also listed in the heading. Water rights served by a diversion are listed at the bottom of each record. A further explanation of the listed water rights is found in the Department of Water Resources' Biennial Report.

Many discharge measurements are made on streams, canals and pumps in the course of regulating diversions to water users. In addition to measurements taken during times of water shortage, numerous sites on streams and canals are measured several times per year on a regular basis. Those measurements are listed in the second and third sections of the report. The measurements define the quantity of flow at the time the reading was obtained. A number of the miscellaneous streamflow measurements were taken under base-flow conditions. Base-flow conditions occur when streamflow consists entirely of ground water seepage, with no withdrawal for irrigation and minimum vegetation growth.

**DAILY DISCHARGE OF RIVERS, STREAMS, CANALS
AND STORAGE IN RESERVOIRS**

1988

WHITE RIVER BASIN

WHITNEY RESERVOIR from White River - 1988
 Gage Location: NW1/4SE1/4 Sec. 34-33-51 W.
 near Whitney
 Measuring Device: Staff gage
 Period of Record: 1925 - 1929, 1933 - 1942, 1944 - 1988

STORAGE LEVEL	GAGE HEIGHT (Feet)	CONTENT (Acre-Feet)
Top of Conservation Pool	5.00	500
Top of Dead Storage Pool	17.70	10700

Date	Contents (Acre-Feet)
December 15, 1987	6483
January 12, 1988	7725
January 28, 1988	8533
February 16, 1988	9485
March 2, 1988	10250
March 22, 1988	10475
April 11, 1988	10295
May 5, 1988	10475
May 23, 1988	10385
June 6, 1988	9890
July 6, 1988	8235
August 1, 1988	6145
August 22, 1988	5030
September 8, 1988	4242
October 3, 1988	3670
October 20, 1988	3730
November 7, 1988	4308
November 22, 1988	5432
December 23, 1988	6108

Appropriations: A-1603

NIORRARA RIVER BASIN

JOHNSON CANAL from Niobrara River - 1988
 Gage Location: NE1/4NW1/4 Sec. 1-31-57 W.
 near Harrison
 Measuring Device: Stage recorder and 2 ft. Parshall flume
 Period of Record: 1956 - 1988

Date	May	June	July	Aug.	Sept.	Oct.	Nov.
1	0.9	0.6	0	0	0	2.5	3.2
2	0.9	0.64	0	0	0	2.5	3.2
3	0.8	0.54	0	0	0.27	2.5	3.3
4	0.88	0.42	0	0	1.2	2.4	3.2
5	0.83	0.14	0	0	1.1	2.4	3.2
6	0.76	0	0	0	1.1	2.5	3.3
7	0.7	0	0	0	1	2.6	3.4
8	0.73	0	0	0	1.1	2.6	3.4
9	0.72	0	0	0	1.2	2.5	2.7
10	0.65	0	0	0	1.2	2.6	0.63
11	2.4	0	0	0	1.3	2.6	0.62
12	1.6	0	0	0	1.5	2.7	0.64
13	0	0.1	0	0	1.5	2.7	0.62
14	0	0.43	0	0	1.6	2.8	0.26
15	0	0.42	0	0	1.9	2.8	0
16	0	0.42	0	0	1.9	2.9	0
17	0	0.44	0	0	1.8	3	0
18	0	0.41	0	0	1.7	3.1	0
19	0.11	0.42	0	0	1.8	3.2	0
20	0.68	0.43	0	0	2	3.2	0
21	1.1	0.44	0	0	2	3.4	0
22	0.84	0.49	0	0	1.9	3.4	0
23	0.88	0.51	0	0	1.9	3.5	0
24	0.87	0.52	0	0	1.9	3.5	0
25	0.7	0.5	0	0	1.8	3.5	0
26	0.62	0.48	0	0	1.7	3.5	0
27	0.56	0.43	0	0	1.7	3.5	0
28	0.52	0.15	0	0	2	3.5	0
29	0.45	0	0	0	2.3	3.4	0
30	0.41	0	0	0	2.4	3.3	0
31	0.57	---	0	0	---	3.3	---
Total	20.18	8.93	0	0	44.77	91.9	31.67
Mean	0.7	0.3	0	0	1.5	3	1.1
Max.	2.4	0.64	0	0	2.4	3.5	3.4
Min.	0	0	0	0	0	2.4	0
A.F.	40	18	0	0	89	182	63
Total 7 Months	---	---	392	A.F.	---	---	---

Appropriations: D-511R

LAKOTAH CANAL from Niobrara River - 1988
 Gage Location: NE1/4NE1/4 Sec. 12-30-57 W.
 Measuring Device: Stage recorder and 2 ft. Parshall flume
 Period of Record: 1956 - 1988

Date	April	May	June	July	Aug.	Sept.
1	0	4.4	3.9	0.79	0.85	1.3
2	0	4.8	4	0.87	0.82	1.1
3	0	5.5	3.8	0.9	0.86	1.1
4	0	5.6	3.4	0.91	1.9	0.99
5	0	5	3	0.9	2	0.38
6	0	4.6	2.7	0.89	3.2	0
7	0	4.3	2.4	0.88	3	0
8	0	4.4	2.2	0.83	2.4	0
9	0	4.3	2.1	0.85	1.8	0
10	0	4.2	2.1	0.83	1.6	0
11	0	4	2.4	0.9	1.6	0
12	0	3.8	2.4	0.9	1.7	0
13	0	3.8	2.4	0.88	1.6	0
14	0	3.8	2.6	0.9	1.6	0
15	1	3.6	2.5	0.93	1.5	0
16	2	3.4	2.5	0.98	1.3	0
17	3	3.3	2.5	0.99	1.2	0
18	4	3.6	2.1	1	1.2	0
19	4.5	4.3	1.9	1.1	1.3	0
20	4.3	5.6	1.7	1.2	1.5	0
21	4.3	6.3	1.5	1.4	1.5	0
22	4.5	5.8	1.3	1.5	1.4	0
23	4.9	5.3	1.2	1.4	1.2	0
24	5	5	1.2	1.5	1.2	0
25	5.2	4.5	0.99	1.4	1.3	0
26	5.2	4.3	0.91	1.3	1.2	0
27	5.2	4.1	0.8	1.2	1.1	0
28	4.9	3.8	0.73	1.1	1.1	0
29	4.6	3.6	0.74	1	1.2	0
30	4.5	3.4	0.79	0.96	1.2	0
31	---	3.8	---	0.88	1.3	---
Total	67.1	136.2	62.76	32.07	46.63	4.87
Mean	2.2	4.4	2.1	1	1.5	0.2
Max.	5.2	6.3	4	1.5	3.2	1.3
Min.	0	3.3	0.73	0.79	0.82	0
A.F.	130	270	120	60	90	10
Total 6 Months	---	---	680	A.F.	---	---

Appropriations: D-554

NIOBRARA RIVER BASIN

EARNEST CANAL (SOUTH) from Niobrara River - 1988
 Gage Location: SW1/4SE1/4 Sec. 9-29-56 W.
 near Harrison
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	2.4	0	0
2	0	0	2.4	0	0
3	0	0	2.2	0	0
4	0	0	2.2	0	0
5	0	0	2.2	0	0
6	0	0	2.2	0	0
7	0	0	2.1	0	0
8	0	0	2.2	0	0
9	0	0	2.2	0	0
10	0	0	2.2	0	0
11	0	1.6	2.2	0	0
12	0	2.9	2.2	0	0
13	0	3.6	2.1	0	0
14	0	4.1	2	0	0
15	0	4.2	1.9	0	0
16	0	4	1.9	0	0
17	0	3.9	1.8	0	0
18	0	3.8	0.86	0	0
19	0	3.7	0.83	0	0
20	0	3.7	2.8	0	0
21	0	3.6	3	0	0
22	0	3.3	1.4	0	0
23	0	3.1	0	0	0
24	0	2.9	0	0	0
25	0	2.5	0	0	0
26	0	2.2	0	0	0
27	0	1.9	0	0	0
28	0	1.8	0	0	0
29	0	1.9	0	0	0
30	0	2.2	0	0	0
31	0	---	0	0	---
Total	0	60.9	45.29	0	0
Mean	0	2	1.5	0	0
Max.	0	4.2	3	0	0
Min.	0	0	0	0	0
A.F.	0	121	90	0	0
Total 5 Months	---	---	211	A.F.	---

Appropriations: D-514a

McGINLEY-STOVER CANAL from Niobrara River - 1988
 Gage Location: NE1/4SE1/4 Sec. 25-29-56 W.
 near Agate
 Measuring Device: Stage recorder and 2 ft. Parshall flume
 Period of Record: 1956 - 1988

Date	May	June	July	Aug.	Sept.
1	0	4.9	0	0	0
2	0	5.3	0	0	0
3	0	5.4	0	0	0
4	0	5.1	0	0	0
5	0	3.8	0	0	0
6	0	3.9	0	0	0
7	0	4.1	0	0	0
8	0	4.2	0	0	0
9	0	4.4	0	0	0
10	0	3.4	0	0	0
11	0	3.5	0	0	0
12	0	3.2	0	0	0
13	0	3.9	0	0	0
14	0	3.7	0	0	0
15	0	3.6	0	0	0
16	0	4	0	0	0
17	0	3.3	0	0	0
18	0	3	0	0	0
19	0	3	0	0	0
20	0	3	0	0	0
21	0	3.2	0	0	0
22	0	3.4	0	0	0
23	0	3.3	0	0	0
24	0	3.2	0	0	0
25	0	2.8	0	0	0
26	0	0	0	0	0
27	0.9	0	0	0	0
28	1.8	0	0	0	0
29	1.8	0	0	0	0
30	3.1	0	0	0	0
31	4.9	---	0	0	---
Total	12.5	94.2	0	0	0
Mean	0.4	3.1	0	0	0
Max.	4.9	5.4	0	0	0
Min.	0	0	0	0	0
A.F.	25	187	0	0	0
Total 5 Months	---	---	212	A.F.	---

Appropriations: D-513aR, D-513b

EARNEST CANAL (NOKIH) from Niobrara River - 1988
 Gage Location: NE1/4SE1/4 Sec. 9-29-56 W.
 near Harrison
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	1.6	0	0.84	0	2.8
2	0	3	0	0.77	0	3.1
3	0	2.9	0	0.74	0	2.9
4	0	2.8	0	0.9	0.81	2.5
5	0	4.7	0	1.1	1.5	2.1
6	0	4.8	0	1.4	1.2	0.73
7	0	3.5	0	1.6	1.1	0.04
8	0	3.2	0	1.6	1.1	0
9	0	3.4	0	1.5	1.1	0
10	0	4.1	0	1.5	1	0
11	0	1.6	0	1.4	1.1	0
12	0	0	0	1.3	1.3	0
13	0	0	0	1.5	2	0
14	0	0	0	1.2	2.1	0
15	0	0	0	1.1	2.5	0
16	0	0	0	1	2.6	0
17	0	0	0	0.59	2.5	0
18	0	0	0	0	2.4	0
19	0	0	0	0	2.3	0
20	0	0	0	0	2.2	0
21	0	0	0	0	1.9	0
22	0	0	1	0	1.7	0
23	0	0	1.5	0	1.5	0
24	0	0	1.4	0	1.5	0
25	0	0	1.3	0	1.4	0
26	0	0	1.2	0	1.3	0
27	0	0	1.3	0	1.2	0
28	0	0	1.5	0	1.4	0
29	0	0	1.4	0	2	0
30	0	0	1.2	0	2.3	0
31	0	---	0.96	0	---	0
Total	0	35.6	12.76	20.04	45.01	14.17
Mean	0	1.2	0.4	0.6	1.5	0.5
Max.	0	4.8	1.5	1.6	2.6	3.1
Min.	0	0	0	0	0	0
A.F.	0	70	30	40	90	30
Total 6 Months	---	---	260	A.F.	---	---

Appropriations: D-554

COOK CANAL NO. 1 from Niobrara River - 1988
 Gage Location: SE1/4NE1/4 Sec. 2-28-56 W.
 near Agate
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1982, 1985 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0.35	0	0	0	0
11	1	0	0	0	0
12	1.1	0	0	0	0
13	1.2	0	0	0	0
14	1.3	0	0	0	0
15	1.3	0	0	0	0
16	1.4	0	0	0	0
17	1.5	0	0	0	0
18	1.5	0	0	0	0
19	1.5	0	0	0	0
20	1.5	0	0	0	0
21	1.5	0	0	0	0
22	1.5	0	0	0	0
23	1.5	0	0	0	0
24	1.5	0	0	0	0
25	1.4	0	0	0	0
26	1.2	0	0	0	0
27	1	0	0	0	0
28	1	0	0	0	0
29	0.5	0	0	0	0
30	0.5	0	0	0	0
31	0	---	0	0	---
Total	25.25	0	0	0	0
Mean	0.8	0	0	0	0
Max.	1.5	0	0	0	0
Min.	0	0	0	0	0
A.F.	50	0	0	0	0
Total 5 Months	---	---	50	A.F.	---

Appropriations: D-980

NIOBRARA RIVER BASIN

HARRIS-NEECE CANAL from Niobrara River - 1988
 Gage Location: NW1/4SE1/4 Sec. 3-28-55 W.
 near Agate
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1988

Date	May	June	July	Aug.	Sept.
1	0	10	9.4	6.6	2.2
2	0	9.9	8.8	6.5	4.8
3	0	10	9	6.3	5.9
4	0	9.9	8.8	6.8	6
5	0	9.9	9.2	7.1	6.2
6	0	9.7	8.5	6.7	6.3
7	0	9.6	7.9	6.6	6.1
8	0	11	9.7	6.3	6.1
9	0	10	10	6.7	6.2
10	2	10	9.1	5.9	6.2
11	5.7	9.5	8.8	5.9	6.2
12	9.2	3.7	8.8	5.7	7
13	9.2	1.2	8.5	6.1	7.7
14	9	0.26	7.5	6.1	8
15	8.8	0	7.1	5.6	8.7
16	11	0	7	5.1	8.6
17	13	0	7.1	5.2	7.6
18	13	0	7.1	5.6	7.6
19	13	0	8.1	1.7	2.3
20	13	0	8.9	0	0
21	12	0	6.1	0	0
22	12	5	4.7	0	0
23	12	6.9	7.3	0	0
24	12	6.7	7.2	0	0
25	12	6.4	7.1	0	0
26	12	6.4	7.2	0	0
27	11	7.4	7	0	0
28	11	7.6	6.9	0	0
29	10	8	7	0	0
30	10	9.3	7.1	0	0
31	9.9	---	6.6	0	---
Total	250.8	178.36	243.5	112.5	119.7
Mean	7.4	5.9	7.9	3.6	4
Max.	13	11	10	7.1	8.7
Min.	0	0	4.7	0	0
A.F.	458	354	483	223	237
Total 5 Months	---	---	1760	A.F.	---

Appropriations: D-517, A-2275

LABELLE CANAL from Niobrara River - 1988
 Gage Location: NW1/4NW1/4 Sec. 6-28-54 W.
 near Agate
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1988

May	June	July	Aug.	Sept.	Total (Acre-Feet)
0	0	0	0	0	0

Appropriations: D-510, A-60

METTLEN CANAL from Niobrara River - 1988
 Gage Location: NW1/4NE1/4 Sec. 4-28-54 W.
 near Agate
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	4.5	2	1.4	1.8	0
2	0	5	1.8	1.2	0.06	0
3	0	4.9	1.7	1.3	0.01	0
4	0	4.3	1.7	2	0	0
5	0	3.8	2.1	1.8	0	2.5
6	0	3.6	2	1.3	0	4.1
7	0	0.93	1.7	1.2	0	3.3
8	0	0	2.4	1.5	0	2.5
9	0	0	2.2	2	0	2.5
10	0	0	2.2	2	0	2.6
11	0	0	2.4	1.5	0	2.7
12	0	0	2.4	1.2	0	2.8
13	0	0	2.1	1.4	0	3.2
14	0	0	2.9	1.2	0.02	2.8
15	0	0	0.92	0.85	0.09	2
16	0	0	0	1.1	0.1	2.8
17	0	0	0	2.1	0.14	4
18	0	0	0	2.2	0.14	4.1
19	0.06	0	0	2.1	0.14	3
20	5.2	1.5	0	3	0.33	3.2
21	7.5	5.4	0	1.7	0.43	3.2
22	7.9	5.3	0	3.1	1.1	2.6
23	8.1	3.7	0	4.5	4.4	2.8
24	7.3	2.1	0	4.4	4.7	2.9
25	6.1	1.9	0	4.4	5	4.2
26	5.5	1.7	0	4.3	5	4.9
27	5	1.5	0.65	4.2	5	5.3
28	4.6	1.4	2.5	4.3	5	2.3
29	4	1.4	1.8	4.4	5.9	2
30	3.2	2	1.9	4.3	1.5	2.2
31	3.4	---	1.5	4.4	---	1.9
Total	67.86	54.93	38.87	76.15	40.86	82.4
Mean	2.2	1.8	1.3	2.5	1.4	2.7
Max.	8.1	5.4	2.9	4.5	5.9	5.3
Min.	0	0	0	0.85	0	0
A.F.	135	109	77	151	81	163
Total 6 Months	---	---	716	A.F.	---	---

Appropriations: A 292, A 1248, A 2244

BENNETT - KAY CANAL from Niobrara River - 1988
 Gage Location: SE1/4SE1/4 Sec. 1-28-54 W.
 near Agate
 Measuring device: Stage recorder and concrete flume
 Period of Record: 1958 - 1988

Date	April	May	June	July	Aug.	Sept.
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	2.8	0	0	0	0
13	0	3.6	0	0	0	0
14	0	3.5	0	0	0	0
15	0	3.6	0	0	0	0
16	0	3.7	0	0	0	0
17	0	3.8	0	0	0	0
18	0	3.7	0	0	0	0
19	0	4.1	0.59	0	0	0
20	2.6	4.7	7.2	0	0	0
21	7.2	4.7	2.4	0	0	0
22	7	4.5	0	0	0	0
23	7	4.3	0	0	0	0
24	7	0	0	0	0	0
25	3	1.5	0	0	0	0
26	0	5.8	0	0	0	0
27	0	5.7	0	0	0	0
28	0	4.5	0	0	0	0
29	0	0	0	0	0	0
30	0	0	0	0	0	0
31	---	0	---	0	0	---
Total	33.8	64.5	10.19	0	0	0
Mean	1.1	2.1	0.3	0	0	0
Max.	7.2	5.8	7.2	0	0	0
Min.	0	0	0	0	0	0
A.F.	67	128	20	0	0	0
Total 6 Months	---	---	215	A.F.	---	---

Appropriations: A 1249

NIOBRARA RIVER BASIN

MOORE-KAY CANAL from Niobrara River - 1988
 Gage Location: SE1/4NE1/4 Sec. 9-28-53 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1988

Date	Apr.	May	June	July	Aug.	Sept.
1	0	2.8	0	3.9	0	0
2	0	4.7	0	3.6	0	0
3	0	4.6	0	3.4	0	0
4	0	4.1	0	3.2	0	0
5	0	3.5	0	2.9	0	0
6	0	2.9	0	2.7	0	0
7	0	2.5	0	2.8	0	0
8	0	2.4	0	1.5	0	0
9	0.5	2.4	0	0.54	0	0
10	1	2	0.69	0.6	0	0
11	1.1	2	1.8	0.75	0	0
12	1.4	1.7	1.9	0.8	0	0
13	1.2	0.72	3	0.74	0	0
14	0.92	0.22	3.6	0.65	0	0
15	0.78	0.02	3.7	0.46	0	0
16	0.76	0.03	3.6	0.43	0	0
17	0.65	0.09	3.4	0.67	0	0
18	0.56	0	3	0.71	0	0
19	0.56	0.24	2.8	0.26	0	0
20	0.48	2.3	1.7	0	0	0
21	0.05	1.1	1.2	0	0	0
22	1.4	0.25	1.2	0	0	0
23	2.2	0.01	1.3	0	0	0
24	3	0	0.99	0	0	0
25	4	0	0.79	0	0	0
26	3.7	0	0.71	0	0	0
27	3.5	0	0.66	0	0	0
28	3.4	0	1.2	0	0	0
29	3.2	0	2.5	0	0	0
30	2.9	0	4.1	0	0	0
31	---	0	---	0	---	---
Total	37.26	40.58	43.84	30.61	0	0
Mean	1.2	1.3	1.5	1	0	0
Max.	4	4.7	4.1	3.9	0	0
Min.	0	0	0	0	0	0
A.F.	74	80	87	61	0	0
Total 6 Months	---	---	302	A.F.	---	---

Appropriations: A-88

GEO HITSHEW CANAL from Niobrara River - 1988
 Gage Location: SE1/4SE1/4 Sec. 6-28-52 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	0.22	0	0
2	0	0	0.08	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0.15	0	0	0
9	0	1.2	0	0	0
10	0	1.4	0	0	0
11	0	1.6	0	0	0
12	0	1.8	0	0	0
13	0	2.4	0	0	0
14	0	2.7	0	0	0
15	0	3	0	0	0
16	0	3	0	0	0
17	0	3	0	0	0
18	0	3	0	0	0
19	0	3	0	0	0
20	0	2.8	0	0	0
21	0	2.5	0.12	0	0
22	0	2.1	0	0	0
23	0	2	0.03	0	0
24	0	1.7	0.12	0	0
25	0	1.1	0	0	0
26	0	0.8	0	0	0
27	0	0.47	0	0	0
28	0	0.6	0	0	0
29	0	0.17	0	0	0
30	0	0.08	0	0	0
31	0	---	0	0	---
Total	0	40.57	0.57	0	0
Mean	0	1.3	0	0	0
Max.	0	3	0.22	0	0
Min.	0	0	0	0	0
A.F.	1	80	1	0	0
Total 5 Months	---	---	81	A.F.	---

Appropriations: A-1260

McLAUGHLIN CANAL from Niobrara River - 1988
 Gage Location: NW1/4SE1/4 Sec. 9-28-52 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	3.6	2.3	0
2	0	0	3.5	1.9	0
3	0	0	3.5	1.8	0
4	0	2.8	3.3	3.3	0
5	0	5.1	3.2	3	0
6	0	3.6	3.1	2.7	0
7	0	3.5	2.8	2.7	0
8	0	3.8	4.4	2.5	0
9	0	3.6	4.7	2.5	0
10	0	3.8	4	2.4	0
11	0	4.1	3.9	2	0
12	0	4.3	3.7	2	0
13	0	0.28	3.5	2.2	0
14	0	0	3.2	2	0.01
15	0	0	3.1	1.7	0.15
16	0	0	2.9	1.7	0.17
17	0	0	3.1	1.8	0.08
18	0	0	4	2.4	0.02
19	0	0	4.2	2.3	0
20	0	0.5	4.6	4.6	0.02
21	0	1	4.4	3.3	0
22	0	2	4.2	3.5	0
23	0	3.7	4	4	0
24	0	4	4.2	4.2	0
25	0	4	4.1	4.3	0
26	0	3.5	3.8	3	0
27	0	3	3.5	0.64	0
28	0	2.9	3.3	0	0
29	0	3.1	3.2	0	0
30	0	3.2	3.1	0	0
31	0	---	2.9	0	---
Total	0	65.78	113	70.74	0.45
Mean	0	2.2	3.6	2.3	0
Max.	0	5.1	4.7	4.6	0.17
Min.	0	0	2.8	0	0
A.F.	0	130	224	140	1
Total 5 Months	---	---	495	A.F.	---

Appropriations: D-566

EXCELSIOR CANAL from Niobrara River - 1988
 Gage Location: SE1/4NW1/4 Sec. 10-28-52 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	1	0	0	0	0	4.5
2	2	0	0	0	0	4.5
3	2.1	0	0	0	0	4.6
4	0.71	0	0	0	0	5.1
5	0	0	0	0	0	5.4
6	0	0	0	0	0	5.3
7	0	0	0	0	0	5.5
8	0	0	0	0	0	5.6
9	0	0	0	0	0	6.2
10	0	0	0	0	0	5.3
11	0	0	0	0	0	5.9
12	0	0	0	0	0	5.9
13	0	0	0	0	1.7	4.4
14	0	0	0	0	2.2	3.1
15	0	0	0	0	2.9	2.9
16	0	0	0	0	3.1	2.7
17	0	0	0	0	3.1	2.7
18	0	0	0	0	3	1.7
19	0	0	0	0	2.9	0
20	0	0	0	0	2.7	0
21	0	0	0	0	2.7	0
22	0	0	0	0	3.2	0
23	0	0	0	0	3.8	0
24	0	0	0	0	4.2	0
25	0	0	0	0	3.9	0
26	0	0	0	0	3.7	0
27	0	0	0	0	3.7	0
28	0	0	0	0	3.8	0
29	0	0	0	0	4.3	0
30	0	0	0	0	4.5	0
31	0	---	0	0	---	0
Total	5.81	0	0	0	59.4	81.3
Mean	0.2	0	0	0	2	2.6
Max.	2.1	0	0	0	4.5	6.2
Min.	0	0	0	0	0	0
A.F.	12	0	0	0	0	161
Total 6 Months	---	---	173	A.F.	---	---

Appropriations: D-568, A-2264

NIOBARRA RIVER BASIN

HUGHES CANAL from Niobrara River - 1988
 Gage Location: SW1/4SW1/4 Sec. 1-28-52 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	0	0	0	1.4
2	0	0	0.31	0	0	1.3
3	0	0	0.71	0	0	0.97
4	0	0	0.73	0	0	1.4
5	0	0	0.77	0	0	0.67
6	0	0	0.82	0	0	0
7	0	0	0.87	0	0	0
8	0	0	1.7	0	0	0
9	0	0	1.7	0	0	0
10	0	0	1.7	0	0	0
11	0	0	1.6	0	0	0
12	0	0	1.6	0	0	0
13	0	0	1.6	0	0	0
14	0	0	1.6	0	0	0
15	0	0	1.5	0	0	0
16	0	0	1.4	0	0	0
17	0	0	0.71	0	0	0
18	0	0	0.02	0	0	0
19	0	0	0	0	0	0
20	0	0	0	0	0	0
21	0	0	0	0	0	0
22	0	0	0	0	0	0
23	0	0	0	0	0	0
24	0	0	0	0	0	0
25	0	0	0	0	0	0
26	0	0	0	0	0.14	0
27	0	0	0	0	0.62	0
28	0	0	0	0	0.86	0
29	0	0	0	0	1.2	0
30	0	0	0	0	1.3	0
31	0	--	0	0	--	0
Total	0	0	19.34	0	4.12	5.74
Mean	0	0	0.6	0	0.1	0.2
Max.	0	0	1.7	0	1.3	1.4
Min.	0	0	0	0	0	0
A.F.	0	0	38	0	8	11
Total 6 Months	----	----	57	A.F.	----	----

Appropriations: D-987A, D-987B

PIONEER CANAL from Niobrara River - 1988
 Gage Location: NE1/4NE1/4 Sec. 36-29-51 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1982, 1986 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	0	0	0	0.74
2	0	0	0	0	0	0.79
3	0	0	0	0	0	0.79
4	0	0	0	0	0	0.67
5	0	0	0	0	0	0.9
6	0	0	0	0	0	1
7	0	2.2	0	0	1.4	0.99
8	0	2.6	0	0	1.5	0.92
9	0	2.7	0	0	1.6	0.69
10	0.24	2.6	0	0	1.6	0
11	0.18	2.6	0	0	1.7	0
12	0	2.3	0	0	1.8	0
13	0.18	0	0	0	1.9	0
14	0	0	0	0	1.9	0
15	0	0	0	0	1.8	0
16	0	0	0	0	1.6	0
17	0	0	0	0	1.5	0
18	0	0	0	0	1.4	0
19	0	0	0	0	1.3	0
20	0	0	0	0	1.2	0
21	0	0	0	0	1.1	0
22	0	0	0	0	1.1	0
23	0	0	0	0	1	0
24	0	0	0	0	0.95	0
25	0	0	0	0	0.94	0
26	0	0	0	0	0.87	0
27	0	0	0	0	0.83	0
28	0	0	0	0	0.79	0
29	0	0	0	0	0.84	0
30	0	0	0	0	0.83	0
31	0	---	0	0	---	0
Total	0.6	15	0	0	31.45	7.69
Mean	0	0.5	0	0	1	0.2
Max.	0.24	2.7	0	0	1.9	1
Min.	0	0	0	0	0	0
A.F.	1	30	0	0	62	15
Total 6 Months	----	----	108	A.F.	----	----

Appropriations: D-442a, A-4599, A-5010

BOX BUTTE RESERVOIR from Niobrara River - 1988
 Gage Location: SW1/4NE1/4 Sec. 28-29-49 W.
 near Dunlap
 Measuring Device: Stage observation
 Period of Record: 1946 - 1988

Date	STORAGE LEVEL												ELEVATION (Feet)	CONTENT (Acres-feet)
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
1	----	----	----	----	----	----	13820	----	----	----	----	----	----	----
2	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3	----	----	----	----	----	----	----	----	----	----	----	----	----	----
4	----	----	----	----	----	----	----	----	----	----	----	----	----	----
5	----	----	----	----	----	----	5910	----	----	----	----	----	----	----
6	----	----	----	----	----	----	----	----	----	----	----	----	----	----
7	----	----	----	----	----	----	----	----	----	----	----	----	----	----
8	----	----	----	----	----	----	----	----	----	----	----	----	----	----
9	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10	----	----	----	----	----	----	4720	----	----	----	----	----	----	----
11	----	----	----	----	----	----	11370	----	----	----	----	----	----	----
12	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13	----	----	----	----	----	----	----	----	----	----	----	----	----	----
14	----	----	----	----	----	16260	----	----	----	----	----	----	----	----
15	----	----	----	----	15000	----	----	----	----	----	----	----	----	----
16	----	----	----	----	----	----	3150	----	----	----	----	----	----	----
17	----	----	----	----	----	----	----	----	----	----	----	----	----	----
18	----	----	----	----	----	----	9290	----	----	----	----	----	----	----
19	----	----	----	----	----	----	----	----	----	----	----	----	----	----
20	----	----	----	13250	----	----	----	----	----	----	----	----	----	----
21	----	----	----	----	----	16310	----	----	----	----	----	----	----	----
22	----	----	----	----	----	----	----	----	----	----	----	----	----	----
23	----	----	11000	----	----	----	----	----	----	----	----	----	----	----
24	----	----	----	----	----	----	9970	----	----	----	----	----	----	----
25	----	----	----	----	----	----	1750	----	----	----	----	----	----	----
26	----	----	----	----	----	8280	----	----	----	----	----	----	----	----
27	----	----	----	----	----	15280	----	----	----	----	----	----	----	----
28	----	----	----	----	----	----	----	----	----	----	----	----	----	----
29	----	----	----	----	----	----	----	----	----	----	----	----	----	----
30	7750	8940	----	14010	15890	13720	----	1380	2380	----	4780	----	----	----
31	----	----	11870	----	----	----	6450	----	----	3540	----	6240	----	----

Appropriations: A 2709A, A 3456

NIOBARRA RIVER BASIN

LICHTE CANAL from Niobrara River - 1988
 Gage Location: NE1/4SW1/4 Sec. 26-29-48 W. near Dunlap
 Measuring Device: Stage recorder and 3 ft. Parshall flume
 Period of Record: 1956 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0.47	1.8	0	0
7	0	2.6	5.6	0	0
8	0	0	5.9	0	0
9	0	0	5.7	0	0
10	0	0	5.7	0	0
11	0	0	5.7	2.6	0
12	0	0	5.4	4.8	0
13	0	0	4.8	4.8	0
14	0	0	4.7	2.2	0
15	0	0	4.7	4.7	0
16	0.02	0	4.3	4.7	0
17	2	0	0	4.4	0
18	3.8	0	0	4.4	0
19	3.5	0	0	4.4	0
20	0.06	0	0	4.3	0
21	0.03	0	0	4.3	0
22	0	0	0	4.3	0
23	0	0	0	4.2	0
24	0	0	0	2.7	0
25	0	0	0	0	0
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	0	0	0	0
31	0	---	0	0	---
Total	9.41	3.07	54.3	56.8	0
Mean	0.3	0.1	1.8	1.8	0
Max.	3.8	2.6	5.9	4.8	0
Min.	0	0	0	0	0
A.F.	19	6	108	113	0
Total 5 Months	----	----	246	A.F.	----

Appropriations: D-479R, A-1086R, A-1088, A-1152R A-2523R(Pat.379) A-2837R, A-3592R(Pat.396)

MONTAGUE CANAL from Niobrara River - 1988
 Gage Location: SW1/4NW1/4 Sec. 27-29-48 W. near Dunlap
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1957, 1959 - 1988

May	June	July	Aug.	Sept.	Total (Acre-Feet)
0	20	6	0	0	26

Appropriations: A-575, A-2754, A-3923

MIRAGE FLATS CANAL from Niobrara River - 1988
 Gage Location: SE1/4NW1/4 Sec. 26-29-48 W. near Dunlap
 Measuring Device: Stage recorder and 10 ft. Parshall flume
 Period of Record: 1948 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	128	138	0
2	0	0	118	139	0
3	0	0	115	138	0
4	0	0	118	129	0
5	0	0	132	104	0
6	0	0	164	105	0
7	0	0	160	110	0
8	0	0	146	128	0
9	0	0	113	138	0
10	0	0	112	133	0
11	0	0	108	135	0
12	0	0	100	138	0
13	0	0	99	130	0
14	0	0	115	130	0
15	0	0	135	138	0
16	0	0	135	132	0
17	0	0	139	120	0
18	0	0	130	118	0
19	0	0	44	116	0
20	0	0	35	112	0
21	0	0	22	108	0
22	0	0	0	103	0
23	0	0	0	99	0
24	0	0	27	99	0
25	0	0	100	96	0
26	0	0	150	95	0
27	0	34	159	83	0
28	0	182	164	81	0
29	0	161	164	73	0
30	0	152	147	66	0
31	0	---	143	2	---
Total	0	529	3422	3436	0
Mean	0	17	110	101	0
Max.	0	182	164	139	0
Min.	0	0	0	0	0
A.F.	0	1050	6790	6820	0
Total 5 Months	----	----	14660	A.F.	----

Appropriations: A-2683, A-3729

Record furnished by United States Bureau of Reclamation.

POTMESIL CANAL from Niobrara River - 1988
 Gage Location: SE1/4NW1/4 Sec. 26-29-48 W. near Dunlap
 Measuring Device: Stage recorder and 3 ft. Parshall flume
 Period of Record: 1956 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	5.5	6.3	9.2
2	0	0	5.7	6	9.5
3	0	0	5.6	5.9	9.5
4	0	0	6	5.6	9.3
5	0	0	6.4	4.9	9.2
6	0	0.02	7.4	5.1	9.3
7	0	4.7	6.7	5.1	9.2
8	0	7.3	6.1	5.7	9.1
9	0	7.3	4.3	5.7	8
10	0	7.2	4.2	5.8	5.5
11	0	7.5	4.3	5.8	0
12	0	7.4	4.1	5.8	0
13	0	7.5	4.4	5.8	0
14	0	7.3	5	5.8	0
15	3.4	7.3	6.4	5.9	0
16	9.8	7.2	6.3	6	0
17	8.1	7.3	7	6	0
18	7.4	7.5	6.7	5.7	0
19	3.6	7.5	6.4	5.5	0
20	0	7.5	6.1	5.5	0
21	0	7.6	6.1	5.5	0
22	0	8.2	6.4	5.5	0
23	0	7.2	6.2	4.8	0
24	0	7.4	6.4	4.2	0
25	0	7.8	6.7	4.3	0
26	0	7.6	6.9	4.1	0
27	0	5.7	7.2	3.5	0
28	0	7.1	7.4	3.1	0
29	0	7	7.4	2.5	0
30	2	6.6	6.7	1.9	0
31	0	---	6.6	7.3	---
Total	34.3	172.72	188.6	160.6	87.8
Mean	1.1	5.8	5.9	5.2	2.9
Max.	9.8	8.2	7.4	7.3	9.5
Min.	0	0	0	1.9	0
A.F.	70	340	370	320	170
Total 5 Months	----	----	1270	A.F.	----

Appropriations: A-2566, A-10686

NIOBRARA RIVER BASIN

HERRITT RESERVOIR storage in acre-feet - 1988
 Gage Location: SW1/4NW1/4 Sec. 29-31-30 W.
 Measuring Device: Stage observation
 Period of Record: 1965 - 1988

STORAGE LEVEL				ELEVATION				CONTENT				
Top of conservation pool				(Feet)				(Acre-feet)				
Top of dead storage pool				2946.0				74486				
				2875.0				1614				
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	68831	68831	69389	69110	73340	74199	69110	56729	44067	47416	59663	68831
2	68831	68831	69389	69110	73340	74199	69389	56005	43684	47831	60161	68831
3	68831	68831	69389	69110	73626	74486	69668	55074	43493	48345	60411	68831
4	68831	68831	69389	69110	73913	74486	69947	55307	43493	48659	60909	68831
5	68831	68831	69389	69110	74199	74486	69947	55074	43301	49281	61422	68831
6	68831	68831	69110	68831	74199	74486	70226	54609	43301	49712	61679	68831
7	68831	68831	69110	68831	74199	74486	69668	54376	43301	50143	62193	68831
8	68831	68831	69110	68831	74199	74486	69110	53911	43301	50575	62706	68831
9	68831	68831	69110	68831	73913	74486	68288	53454	43301	51221	63219	68831
10	68831	68831	68831	68831	73626	74486	67474	53006	43301	51661	63476	68831
11	68831	68831	68831	68831	73340	74486	67203	52333	43301	52109	64004	68831
12	68831	68831	68831	68831	73053	74486	67474	51661	43301	52558	64532	68831
13	68831	68831	68560	68831	72766	74486	67745	51437	43301	53006	65061	68831
14	68831	68831	68560	68831	72766	74486	67745	51661	43301	53454	65589	68831
15	68831	68831	68560	68831	72480	74486	67745	51661	43301	53911	65853	68831
16	68831	68831	68831	68831	72480	74486	67203	51661	43493	54143	66388	68831
17	68831	69110	69110	68831	72766	74486	66660	52109	43493	54376	66660	68831
18	68831	69110	69110	68831	72766	74486	66117	50575	43493	54609	67203	68831
19	68831	68831	68831	69110	73053	74486	65325	49928	43493	54609	67474	68831
20	68831	68831	68831	69389	73626	74486	64797	49281	43876	54842	67745	68831
21	68831	68831	69110	69947	74486	74486	64268	48659	43876	54842	68017	68831
22	68831	69110	69110	70226	74781	74199	63740	48245	43876	55074	68288	68831
23	68831	69110	69110	71062	75075	73913	62963	47623	44067	55540	68560	68831
24	68831	69110	69110	71620	75370	73340	62449	47010	44067	56005	68560	68831
25	68831	69110	69110	72193	75370	72766	61679	46611	44451	56487	68560	68831
26	68831	69110	69110	72766	75075	71907	61166	46213	44834	56970	68560	68831
27	68831	69110	68831	73340	74781	71341	60161	45615	45217	57452	68560	68831
28	68831	69110	68831	73340	74781	70504	59414	45217	45815	57693	68560	68560
29	68831	-----	68831	73626	74486	69668	58666	45025	46213	58176	68560	68560
30	68831	-----	68831	73626	74199	69110	58176	44642	46811	58666	68831	68560
31	68831	-----	68831	-----	73913	-----	57452	44451	-----	59165	-----	68560

Appropriations: A-9660

AINSWORTH CANAL from Merritt Reservoir - 1988
 Gage Location: NW1/4NE1/4 Sec. 29-31-30 W.
 near Valentine
 Measuring Device: Stage recorder and 15 ft. Parshall flume
 Period of Record: 1965 - 1988

Date	May	June	July	Aug.	Sept.
1	0	67	70	546	376
2	0	71	65	556	318
3	0	71	65	549	220
4	0	70	102	465	220
5	0	70	184	383	215
6	0	75	290	375	201
7	0	81	432	387	214
8	0	90	517	433	212
9	0	101	535	461	179
10	0	107	538	490	145
11	0	115	255	512	141
12	0	115	79	497	123
13	0	110	152	75	98
14	0	101	261	121	87
15	19	101	405	211	70
16	151	109	500	333	63
17	152	124	517	451	63
18	82	131	564	507	58
19	68	138	555	504	0
20	60	171	508	481	0
21	60	231	490	479	0
22	60	291	493	462	0
23	61	354	494	434	0
24	60	422	501	432	0
25	60	477	526	426	0
26	60	497	541	416	0
27	60	548	543	341	0
28	60	560	543	332	0
29	61	571	536	357	0
30	61	509	492	391	0
31	63	---	504	381	---
Total	1198	6478	12257	12788	3003
Mean	39	216	395	413	100
Max.	152	571	564	556	376
Min.	0	67	65	75	0
A.F.	2380	12850	24310	25360	5960
Total 5 Months	---	---	70860	A.F.	---

APPROPRIATIONS: A-4218, A-10620, A-13853, A-15122
 A-15557, A-15730

MISSOURI RIVER TRIBUTARIES
(NIOBRARA TO THE PLATTE)

STANDING BEAR LAKE (NO. 16) from Big Papillion Creek - 1988
Gage Location: Sec. 36-16-11 E. near Omaha
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1988

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	1121.0	5280
Top of conservation pool	1109.0	2380
Top of dead storage pool	1080.0	140

Date	Contents (acre-feet)
December 31, 1987	1510
January 31, 1988	1510
February 29, 1988	1500
March 31, 1988	1480
April 30, 1988	1460
May 31, 1988	1490
June 30, 1988	1410
July 31, 1988	1340
August 31, 1988	1240
September 30, 1988	1210
October 31, 1988	1140
November 30, 1988	1130
December 31, 1988	1120

Appropriations: A-12644

Data provided by United States Army Corps of Engineers.

CUNNINGHAM LAKE (NO. 11) from Knight Creek - 1988
Gage Location: Sec. 22-16-12 E. in Omaha
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1988

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	1142.0	74560
Top of conservation pool	1121.0	15640
Top of dead storage pool	1099.0	280

Date	Contents (acre-feet)
December 31, 1987	3810
January 31, 1988	3830
February 29, 1988	3810
March 31, 1988	3760
April 30, 1988	3770
May 31, 1988	3930
June 30, 1988	3900
July 31, 1988	3710
August 31, 1988	3510
September 30, 1988	3490
October 31, 1988	3400
November 30, 1988	3500
December 31, 1988	3610

Appropriations: A-12909

Data provided by United States Army Corps of Engineers.

WEHRSPANN LAKE (NO. 20) from South Fork, West Branch Papillion Creek - 1988
Gage Location: Sec. 23-14-11 E. near Chalco
Measuring Device: Stage recorder
Period of Record: 1985 - 1988

STORAGE LEVEL	ELEVATION (feet)	CONTENT (Acre-Feet)
Top of flood pool	1120.0	12700
Top of conservation pool	1096.0	2710
Top of dead storage pool	1077.0	220

Date	Contents (acre-feet)
December 31, 1987	2600
January 31, 1988	2490
February 29, 1988	2430
March 31, 1988	2270
April 30, 1988	2220
May 31, 1988	2150
June 30, 1988	1960
July 31, 1988	1830
August 31, 1988	1620
September 30, 1988	1500
October 31, 1988	1360
November 30, 1988	1300
December 31, 1988	1240

Appropriations: A-16141

Data provided by United States Army Corps of Engineers.

NORTH PLATTE RIVER BASIN

FORT LARAMIE CANAL from North Platte River - 1988
 Gage Location: SW1/4NW1/4 Sec. 10-26-65 W.
 Measuring Device: Stage recorder and Parshall flume
 Period of Record: 1918 - 1928, 1933 - 1988

Date	May	June	July	Aug.	Sept.
1	0	799	1503	1506	1450
2	0	804	1522	1509	1450
3	0	806	1550	1509	1438
4	0	806	1553	1503	1377
5	0	806	1544	1506	1341
6	0	796	1537	1506	1344
7	0	806	1544	1509	1299
8	0	801	1547	1509	1275
9	0	801	1541	1509	1237
10	0	799	1541	1506	1203
11	595	806	1534	1509	1203
12	658	806	1534	1506	1160
13	663	796	1519	1506	1120
14	654	750	1519	1506	1065
15	656	747	1519	1509	967
16	721	750	1515	1509	915
17	884	750	1515	1509	892
18	912	752	1519	1509	721
19	912	794	1509	1512	119
20	841	856	1503	1509	0
21	801	905	1500	1506	0
22	801	994	1497	1506	0
23	784	1143	1500	1500	0
24	764	1275	1500	1500	0
25	799	1386	1503	1500	0
26	796	1453	1494	1503	0
27	762	1500	1503	1503	0
28	806	1500	1503	1500	0
29	806	1500	1500	1503	0
30	808	1503	1506	1500	0
31	799	----	1509	1475	----
Total	16222	28990	47083	46652	21576
Mean	523	966	1519	1505	719
Max.	912	1503	1553	1512	1450
Min.	0	747	1494	1475	0
A.F.	32180	57500	93390	92530	42800
Total 5 Months	----	318400	A.F.		

Appropriations: A-768

Data furnished by United States Bureau of Reclamation

FORT LARAMIE CANAL from North Platte River - 1988
 Gage Location: NE1/4NE1/4 Sec. 10-21-60 W.
 at Mile Post 85.3 near Nebraska-Wyoming State Line
 Measuring Device: Stage recorder and Parshall flume
 Period of Record: 1981 - 1988

Date	May	June	July	Aug.	Sept.
1	0	255	577	619	614
2	0	257	570	614	610
3	0	254	583	607	585
4	0	252	594	614	585
5	0	252	601	614	579
6	0	263	601	608	566
7	0	259	596	607	553
8	0	260	617	610	533
9	0	258	614	608	529
10	0	259	610	605	512
11	0	262	610	603	498
12	0	262	612	603	475
13	0	262	621	601	481
14	84	262	616	601	485
15	164	257	626	605	489
16	207	260	623	607	453
17	249	257	619	603	427
18	265	252	621	599	385
19	280	257	630	605	357
20	295	254	623	605	270
21	305	272	623	605	99
22	302	304	621	610	20
23	270	341	623	617	0
24	250	379	625	614	0
25	277	417	621	612	0
26	267	453	621	614	0
27	247	527	614	607	0
28	247	563	614	614	0
29	255	574	614	619	0
30	258	574	617	614	0
31	263	---	619	614	---
Total	4485	9558	18976	18878	10105
Mean	145	319	612	609	337
Max.	305	574	630	619	614
Min.	0	252	570	599	0
A.F.	8900	18960	37640	37440	20040
Total 5 Months	----	122980	A.F.		

Appropriations: A-768 (Nebr)

Data furnished by United States Bureau of Reclamation.

INTERSTATE CANAL from North Platte River - 1988
 Gage Location: NE1/4NW1/4 Sec. 11-26-65 W., Wyo.
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1915 - 1988

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	735	1216	2005	1984	1903	878
2	0	427	1129	2029	2008	1903	881
3	0	0	1132	2039	2018	1900	894
4	0	0	854	2049	2018	1879	897
5	0	0	1001	2039	2018	1846	894
6	0	0	60	2036	2018	1785	854
7	0	0	0	2039	2022	1985	523
8	0	0	0	2046	2022	1739	108
9	0	0	0	2039	2018	1739	0
10	0	0	0	2029	2015	1732	0
11	79	0	0	2008	2018	1732	0
12	523	0	0	1984	2022	1725	0
13	816	308	0	1981	2022	1689	0
14	918	675	0	1971	2022	1597	0
15	915	809	0	1978	2022	1574	0
16	915	889	0	1995	2022	1545	0
17	912	965	0	2005	2018	1470	0
18	918	1179	0	2001	2018	1483	0
19	962	1191	0	1964	2015	1483	0
20	965	1194	0	1974	2012	1431	0
21	965	1188	195	2042	2001	1447	0
22	962	1188	542	1967	2005	1438	0
23	950	1182	1194	1964	1981	1383	0
24	953	1185	1506	1954	1984	1383	0
25	909	1185	1689	1957	1984	1383	0
26	862	1182	1930	1957	1988	1380	0
27	851	1148	2008	1954	1984	1396	0
28	840	1182	2008	1974	1981	1123	0
29	900	1232	2015	2005	1964	886	0
30	942	1235	2015	2008	1933	883	0
31	---	1229	---	1991	1906	---	0
Total	17057	21508	20494	61984	62043	46842	5929
Mean	569	694	683	1999	2001	1561	185
Max.	965	1235	2015	2049	2022	1985	897
Min.	0	0	0	1954	1906	883	0
A.F.	33830	42660	40650	122940	123060	92910	11760
Total 7 Months	----	467810	A.F.				

Appropriations: A-768

Data furnished by United States Bureau of Reclamation.

NORTH PLATTE RIVER BASIN

ALICE RESERVOIR from North Platte River 1988
 Gage Location: Sec. 8 & 15-23-54 W.
 near Scottsbluff
 Measuring Device: Reference point
 Period of Record: 1977 - 1988

Date	STORAGE LEVEL					ELEVATION (Feet)					CONTENT (Acres-feet)	
	Top of conservation pool					4182.0					11,020	
	Top of dead storage pool					4159.0					0	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				169	5822	8633	8992	6849	3923	1781		
2					6265	8633	8774	6849	3810	2152		
3					7315	8562	8562	6783	3810	2448		
4			201		7930	8421	8350	6716	3698	2697		
5		202			8208	8279	8138	6652	3698	2953		
6					8208	8138	7930	6523	3698	3242		
7	425				8138	8633	7587	6458	3698	3483		
8				0	8067	8847	7315	6330	3537	4204		
9					7930	8992	7049	6265	3321	3754		663
10					7793	8919	6916	6201	3268	3537		
11					7724	8847	6716	6072	3214	3006		
12		15			7724	8774	6587	6010	3160	2251		
13					7655	8703	6394	5947	3160	1560		
14			201		7587	8633	6265	5885	3214	959	820	
15	425			0	7518	8562	6136	5760	3057			
16				820	7381		6072	5635	2954			600
17				1346	7655	8491	6010	5573	3006			
18			201	1874	7724	8350	6010	5388	2903		789	
19		12		2300	7793	8279	6010	5206	2748			
20				2697	7930	8279	6201	5086	2645			
21				3057	8067	8208	6265	4965	2596			
22	401			3321	8208	8138	6330	4844	2546	921		
23				3537	8421	7998	6458	4669	2497			544
24				3754	8421	7793	6458	4552	2497			
25				3867	8421	8350	6587	4435	2399			
26		201		4377	8350	8633	6652	4318	2300			
27				4669	8350	8992	6716	4204	2201			
28				4965	8350	9210	6783	4091	2106			
29	401			5206	8421	9283	6783	4148	1920			
30				5327	8421	9138	6783	4035	1737		726	
31					8633		6849	4035		883		449

Appropriations: A-768
 Values furnished by Pathfinder Irrigation District

MINATARE RESERVOIR from North Platte River - 1988
 Gage Location: Sec. 32-23-53 W. near Scottsbluff
 Measuring Device: Staff gage
 Period of Record: 1977 - 1988

Date	STORAGE LEVEL					ELEVATION (Feet)					CONTENT (Acres-Feet)	
	Top of conservation pool					4125.0					60,770	
	Top of dead storage pool					4075.0					300	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1				40824	51797	53218	51593	29945	14724	24592		
2					52400	53624	50791	29165	14620	25021		
3					52400	54443	50191	28404	14516	26022		
4			41194		52400	55273	49597	27798	14411	26758		
5		41378			52400	55895	48806	27200	14203	27495		
6					52400	56518	48021	26611	14099	28253		
7	41563				52400	56518	47243	26022	14099	30100		
8				40824	52400	56518	46465	25593	14203	30890		
9					52400	56518	45509	25021	14620	32177		33999
10					52400	56518	45316	24454	14941	33003		
11					52198	56518	44176	23900	15267	33630		
12		41378			52198	56518	43423	23346	15593	34506		
13					51998	56310	42671	22806	15010	35182		
14			41009		51797	56310	41932	22270	16148	35520	34675	
15	41563			40643	51597	56310	41194	21738	16600			
16				40643	51394		40463	21090	16939			33999
17				40824	51394	56310	39740	20445	17405			
18			40824	41194	51394	55895	38838	20069	17872		34506	
19		41194		41748	51394	55895	38309	19567	18227			
20				42487	51595	55895	37778	19196	18833			
21				43235	51595	55688	37248	18712	19317	35013		
22	41378			44364	51595	55480	36557	18106	19818			
23				45318	51797	55480	36038	17756	20195			33999
24				46274	52198	55273	35520	17405	20571			
25				47243	52400	54630	34844	16939	21090			
26		41194		48216	52400	54443	34168	16487	22609			
27				48806	52604	54034	33500	16036	22002			
28				49400	52604	53422	32673	15701	22538			
29	41378			50191	52604	52809	32017	15376	23074			
30				50992	52604	52198	31373	15050	23484		34168	
31					52809		30729	14833		34675		33665

Appropriations: A-768
 Values furnished by Pathfinder Irrigation District.

NORTH PLATTE RIVER BASIN

MITCHELL & GERING CANAL from North Platte River - 1988
 Gage Location: SW1/4NE1/4 Sec. 10-23-60 W.
 near Henry
 Measuring Device: Stage recorder and 15 ft. Parshall flume
 Period of Record: 1916 - 1988

Date	May	June	July	Aug.	Sept.
1	0	169	327	302	250
2	133	169	329	308	250
3	178	170	328	310	250
4	176	169	328	311	250
5	182	168	330	309	239
6	179	168	331	308	220
7	175	168	330	308	219
8	175	168	315	307	209
9	177	169	281	309	199
10	172	169	280	309	197
11	172	168	279	309	197
12	174	168	281	311	198
13	174	167	280	318	199
14	174	162	278	321	198
15	173	169	296	321	198
16	175	170	304	320	198
17	173	170	309	318	198
18	171	145	330	318	199
19	172	132	332	317	201
20	174	128	331	302	200
21	173	134	330	289	167
22	174	136	329	287	128
23	175	184	327	285	84
24	173	218	326	284	22
25	171	268	326	283	0
26	171	306	329	264	0
27	172	303	311	249	0
28	172	302	301	250	0
29	172	305	299	250	0
30	171	317	295	250	0
31	169	---	298	249	---
Total	5172	5739	9670	9176	4670
Mean	167	191	312	262	156
Max.	182	317	332	321	250
Min.	0	128	278	0	0
A.F.	10260	11360	19160	18200	9260
Total 5 Months	----	68280	A.F.		

Appropriations: D-1052-Mitchell, A-365R-Gering
 Total headgate diversions for Mitchell and Gering
 District lands. Published values prior to 1985 were
 minus deliveries to Gering Canal and carriage losses.

GERING CANAL from North Platte River - 1988
 via Mitchell and Gering Canal
 Gage Location: NE1/4SE1/4 Sec. 29-22-55 W.
 near Gering
 Measuring Device: Stage recorder and 15 ft. Parshall flume
 Period of Record: 1916 - 1988

Date	May	June	July	Aug.	Sept.
1	0	87	182	200	167
2	0	89	184	191	172
3	13	86	175	192	187
4	59	92	166	207	198
5	52	91	182	207	212
6	71	92	177	200	172
7	73	96	192	200	174
8	74	93	204	200	159
9	65	89	197	191	136
10	62	90	222	179	134
11	63	91	225	175	138
12	66	109	212	178	159
13	61	188	198	204	155
14	80	89	172	206	139
15	81	82	157	200	152
16	84	90	184	192	161
17	84	91	198	201	164
18	89	86	216	224	174
19	102	90	249	232	189
20	128	83	247	188	174
21	97	90	247	188	143
22	75	108	242	201	129
23	76	105	227	200	94
24	67	120	230	212	56
25	108	129	243	218	6
26	75	161	230	215	0
27	80	177	222	159	0
28	85	178	194	157	0
29	84	179	203	171	0
30	83	178	187	171	0
31	86	---	201	168	---
Total	2223	3329	6365	6027	3744
Mean	72	111	205	194	121
Max.	128	188	249	232	212
Min.	0	82	157	157	0
A.F.	4410	6600	12620	11950	7430
Total 5 Months	----	43010	A.F.		

Appropriations: A-365R

Date furnished by United States Bureau of Reclamation.

Published values before 1985 were adjusted by carriage losses.

TRI-STATE CANAL from North Platte River - 1988
 Gage Location: NE1/4NE1/4 Sec. 10-23-58 W.
 near Henry
 Measuring Device: Stage recorder
 Period of Record: 1916, 1919 - 1988

Date	April	May	June	July	Aug.	Sept.
1	0	184	311	1300	1180	861
2	0	417	299	1300	1180	844
3	0	502	270	1300	1180	831
4	0	446	259	1300	1180	825
5	0	453	256	1290	1170	800
6	0	426	263	1290	1190	785
7	0	421	281	1270	1190	759
8	0	414	278	1260	1180	742
9	0	413	285	1250	1180	743
10	0	423	296	1240	1170	698
11	0	427	398	1230	1170	663
12	0	432	441	1210	1160	665
13	0	444	546	1210	1160	635
14	0	387	538	1230	1140	610
15	0	332	545	1220	1150	599
16	0	319	561	1220	1150	570
17	0	309	578	1230	1150	533
18	0	309	595	1230	1160	462
19	0	443	615	1230	1140	426
20	0	446	610	1210	1140	422
21	0	438	652	1150	1140	419
22	0	435	789	1150	1110	416
23	0	422	1010	1160	1100	422
24	0	409	1160	1150	1080	420
25	103	422	1240	1130	1020	420
26	187	361	1320	1150	1010	408
27	174	340	1290	1150	970	124
28	167	344	1270	1160	943	0
29	172	330	1280	1160	948	0
30	180	321	1300	1140	891	0
31	---	324	0000	1160	862	---
Total	983	12093	19536	37680	34394	16102
Mean	33	390	651	1215	1109	537
Max.	187	502	1320	1300	1190	861
Min.	0	184	256	1130	862	0
A.F.	1950	23990	38750	74740	68220	31940
Total 6 Months	----	239590	A.F.			

Appropriations: D-919, A-660, O.D.s
 Total diversion from North Platte River for both
 Farmers and Northport Irrigation Districts.
 Deliveries to Northport District shown following.
 Note: Published values prior to 1985 were minus
 Northport Canal uses.

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Sheep Creek - 1988
 Gage Location: NE1/4NW1/4 Sec. 17-23-57 W.
 near Morrill
 Measuring Device: Stage recorder
 Period of Record: 1986 - 1988

Date	May	June	July	Aug.	Sept.
1	0	64	52	78	89
2	0	63	51	77	88
3	0	63	51	78	88
4	0	62	51	80	88
5	0	63	54	80	89
6	0	63	52	78	88
7	0	63	51	78	89
8	0	62	72	78	87
9	0	62	63	82	87
10	0	62	64	82	88
11	0	62	68	82	89
12	0	62	66	83	96
13	0	69	66	83	100
14	0	66	68	80	100
15	0	63	70	80	102
16	0	61	72	80	100
17	27	59	74	80	98
18	56	55	72	84	97
19	67	55	83	84	96
20	73	55	82	84	96
21	68	53	82	84	96
22	64	52	80	84	96
23	61	51	79	83	95
24	60	51	77	84	2
25	69	51	77	85	0
26	62	54	79	85	0
27	61	56	79	86	0
28	61	55	79	87	0
29	60	56	81	88	0
30	60	57	80	90	0
31	63	---	79	89	---
Total	912	1770	2154	2556	2144
Mean	29.4	59	69.5	82.5	71.5
Max.	73	69	83	90	102
Min.	0	51	51	77	0
A.F.	1810	3510	4270	5070	4250
TOTAL 5 MONTHS	---	---	18910	A.F.	---

Values provided by United States Bureau of Reclamation.
 Prior years available from the Bureau.

TRI STATE CANAL from Akers Draw - 1988
 Gage Location: NE1/4SE1/4 Sec. 11-23-57 W.
 near Morrill
 Measuring Device: Stage recorder
 Period of Record: 1986 - 1988

Date	May	June	July	Aug.	Sept.
1	10	12	14	19	15
2	10	12	14	18	15
3	10	12	14	17	15
4	10	12	14	19	15
5	10	12	14	20	15
6	10	13	14	19	15
7	10	13	14	19	15
8	10	12	14	19	15
9	10	13	14	19	15
10	10	13	14	20	15
11	10	14	15	19	15
12	9.9	14	16	20	15
13	9.3	16	16	21	14
14	8.9	13	16	19	15
15	8.9	13	16	20	15
16	8.8	13	16	22	15
17	8.7	13	16	20	16
18	9.6	13	16	18	16
19	11	13	15	18	16
20	11	13	14	17	16
21	10	13	13	17	16
22	10	12	14	15	16
23	11	13	17	13	16
24	11	14	17	13	16
25	13	14	17	14	16
26	11	14	18	14	16
27	11	15	19	15	16
28	11	14	18	15	16
29	11	14	19	15	16
30	12	14	17	15	16
31	12	---	17	15	---
Total	319.1	396	482	544	463
Mean	10.3	13.2	15.5	17.5	15.4
Max.	13	16	19	22	16
Min.	8.7	12	13	13	14
A.F.	633	785	956	1080	918
Total 5 Months	---	---	4370	A.F.	---

Values provided by United States Bureau of Reclamation.
 Prior years available from the Bureau.

TRI-STATE CANAL from Dry Spotted Tail Creek - 1988
 Gage Location: SW1/4SW1/4 Sec. 4-23-56 W.
 near Morrill
 Measuring Device: Stage recorder
 Period of Record: 1986 - 1988

Date	May	June	July	Aug.	Sept.
1	0	13	14	21	21
2	0	14	14	21	22
3	0	13	15	24	23
4	0	13	14	24	21
5	0	14	17	22	22
6	0	14	18	23	25
7	0	14	18	23	25
8	0	13	22	23	24
9	0	13	19	24	22
10	0	13	19	26	23
11	0	12	19	29	25
12	0	12	19	28	27
13	0	19	19	25	29
14	0	13	20	24	30
15	0	11	19	23	30
16	0	10	19	22	30
17	3	9	20	23	30
18	7	9	21	24	30
19	12	8	26	24	30
20	12	8	24	23	25
21	12	8	24	23	26
22	13	8	24	25	26
23	14	8	22	24	27
24	14	10	22	23	4
25	14	11	23	23	0
26	12	11	24	22	0
27	12	11	24	22	0
28	11	11	24	23	0
29	11	14	23	23	0
30	11	14	21	23	0
31	12	---	20	22	---
Total	170	351	627	729	597
Mean	5.5	11.7	20.2	23.5	19.9
Max.	14	19	26	29	30
Min.	0	8	14	21	0
A.F.	337	696	1240	1450	1180
TOTAL 5 MONTHS	---	---	4900	A.F.	---

Values provided by United States Bureau of Reclamation.
 Prior years available from the Bureau.

TRI-STATE CANAL from Wet Spotted Tail Creek - 1988
 Gage Location: NW1/4NE1/4 Sec. 10-23-56 W.
 near Morrill
 Measuring Device: Stage recorder
 Period of Record: 1986 - 1988

Date	May	June	July	Aug.	Sept.
1	10	16	13	14	21
2	12	16	13	13	22
3	11	15	13	14	24
4	11	15	14	15	25
5	11	14	13	14	26
6	10	14	12	14	27
7	11	15	12	15	26
8	11	15	15	15	25
9	11	16	13	15	23
10	11	15	13	16	23
11	11	15	13	20	25
12	10	15	12	17	27
13	10	22	12	17	26
14	9	17	11	17	27
15	9	16	11	17	29
16	9	15	11	17	28
17	9	14	11	17	29
18	11	14	12	22	29
19	16	13	14	23	30
20	18	13	13	20	30
21	14	12	13	19	31
22	14	13	14	19	31
23	14	12	15	19	31
24	16	12	14	19	30
25	16	12	14	19	30
26	15	12	14	20	29
27	15	12	14	19	30
28	14	12	14	21	35
29	15	13	15	22	37
30	15	13	14	20	34
31	16	---	13	20	---
Total	385	428	405	549	840
Mean	12	14	13	18	28
Max.	18	22	15	23	37
Min.	9	12	11	13	21
A.F.	764	849	803	1090	1670
TOTAL 5 MONTHS	---	---	5180	A.F.	---

Values provided by United States Bureau of Reclamation.
 Prior years available from the Bureau.

TRI-STATE CANAL from Tub Springs - 1988
 Gage Location: SW1/4SE1/4 Sec. 27-23-55 W.
 near Morrill
 Measuring Device: Stage recorder
 Period of Record: 1986 - 1988

NORTHPORT CANAL from North Platte River - 1988
 via Tri-State Canal
 Gage Location: SW1/4SW1/4 Sec. 14-21-51 W. near Bayard
 Measuring Device: Stage recorder and 10 ft. Parshall flume
 Period of Record: 1920, 1922 - 1988

Date	May	June	July	Aug.	Sept.
1	0	19	29	37	44
2	0	19	30	38	45
3	0	19	30	41	47
4	0	19	33	40	48
5	0	19	36	38	48
6	0	19	36	37	48
7	0	19	37	39	46
8	0	19	39	41	46
9	0	21	39	41	46
10	0	22	38	40	44
11	0	22	39	40	42
12	0	24	37	40	42
13	0	37	35	40	43
14	0	22	33	39	39
15	0	21	34	40	38
16	0	24	33	38	37
17	5	23	35	37	38
18	12	21	37	37	39
19	17	21	40	36	38
20	17	19	41	36	37
21	16	20	43	35	38
22	17	17	41	34	37
23	18	17	40	41	37
24	19	17	40	44	37
25	19	18	39	41	37
26	20	21	44	41	40
27	20	23	34	42	9
28	19	25	35	43	0
29	19	30	36	43	0
30	19	29	36	43	0
31	20	---	37	43	---
Total	255	646	1136	1225	1090
Mean	8.2	21.5	36.6	39.5	36.3
Max.	20	37	44	44	48
Min.	0	17	29	34	0
A.F.	506	1280	2250	2430	2160
Total 5 Months	---	---	8630	A.F.	---

Date	May	June	July	Aug.	Sept.
1	0	109	262	251	214
2	0	104	261	253	211
3	0	104	263	255	210
4	0	101	263	268	210
5	0	93	266	265	207
6	0	86	266	266	206
7	0	69	266	266	212
8	0	58	269	266	211
9	0	58	266	266	210
10	0	48	268	266	203
11	0	46	269	265	199
12	58	53	271	268	166
13	120	96	268	271	162
14	121	169	265	271	161
15	118	179	261	268	160
16	119	178	259	266	157
17	123	178	262	269	154
18	128	175	268	274	143
19	130	177	265	272	139
20	140	185	266	277	133
21	128	185	271	269	121
22	107	191	268	266	120
23	109	218	271	259	113
24	107	244	269	242	117
25	107	259	268	244	113
26	110	256	265	231	100
27	104	256	262	238	75
28	106	259	258	233	52
29	106	256	255	238	6
30	107	261	256	232	0
31	110	---	251	220	---
Total	2258	4653	8198	7995	4485
Mean	73	155	264	258	150
Max.	140	261	271	277	214
Min.	0	46	251	220	0
A.F.	4480	9230	16260	15860	8900
Total 5 Months	---	---	54730	A.F.	---

Values provided by United States Bureau of Reclamation.
 Prior years available from the Bureau.

Appropriations: A-768

Published values prior to 1985 were adjusted by
 Tri-State Canal losses and contributions from drains.

Values provided by United States Bureau of Reclamation.

The following monthly summaries for Farmers and Northport Irrigation Districts do not represent actual gaged diversions but are values charged to each Irrigation District derived from gaged diversions, transportation loss adjustments and available water supplies from the North Platte River and Drains.

SUMMARY OF DIVERSIONS CHARGED TO FARMERS IRRIGATION DISTRICT - 1988
 Values in Acre-feet

	Apr.	May	June	July	Aug.	Sept.	Totals
Diverted from:							
North Platte River	1950	21170	32080	61010	56660	28970	201840
*Alliance Drain	0	0	20	890	1050	430	2390
**Other Drains	0	460	590	0	0	370	1420
Totals	1950	21630	32690	61900	57710	29770	205650

*Diversions from Alliance Drain are not into the main Tri-State Canal but diverted directly from the drain onto Farmers Irrigation District land.

**Other drains are Akers Draw, Sheep Creek, Dry Spottedtail Creek, Wet Spottedtail Creek and Tub Springs. These drains are diverted into the Tri-State main canal.

SUMMARY OF DIVERSIONS CHARGED TO NORTHPORT IRRIGATION DISTRICT - 1988
 Values in Acre-feet

	May	June	July	Aug.	Sept.	Totals
Diverted from:						
North Platte River	2810	6670	13720	11560	3010	37770
*Drains	3610	6540	9520	11110	9890	40670
Totals	6420	13210	23240	22670	12900	78440

*Water from drains includes runoff and return flow from the North Platte Project, Interstate division. This water is intercepted by the Tri-State Canal for delivery to Northport Irrigation District lands. Water diverted from the drains in excess of delivery charged to Northport is charged to Farmers Irrigation District. Drains are Akers Draw, Sheep Creek, Dry Spottedtail Creek, Wet Spottedtail Creek, and Tub Springs.

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER passing Tri-State Dam - 1968
 Gage Location: NW1/4NE1/4 Sec. 10-23-58 W.
 near Henry
 Measuring Device: Stage recorder
 Period of Record: 1947 - 1964, 1967 - 1988

Date	May	June	July	Aug.	Sept.
1	770	28	131	65	80
2	1070	28	107	64	95
3	1600	28	100	40	75
4	1650	27	111	78	47
5	1770	28	152	72	74
6	1600	28	147	63	109
7	1410	29	118	75	116
8	1340	28	383	74	72
9	1210	28	288	70	62
10	1000	27	302	68	64
11	830	27	275	53	62
12	440	27	322	45	67
13	150	37	243	42	72
14	111	106	95	41	66
15	100	105	67	41	59
16	42	102	45	42	48
17	32	61	53	41	45
18	30	58	93	62	89
19	24	39	235	69	190
20	135	31	270	68	358
21	147	28	208	68	349
22	62	26	143	106	348
23	24	26	107	101	384
24	26	27	104	59	430
25	26	31	106	60	437
26	25	40	172	51	418
27	26	45	127	47	767
28	26	67	90	47	800
29	26	145	66	63	800
30	27	134	40	118	790
31	27	---	41	105	---
Total	15758	1441	4741	1998	7373
Mean	508	48	153	62	246
Max.	1770	145	383	118	800
Min.	24	26	40	0	45
A.F.	31260	2860	9400	3960	14620
Total 5 Months	----	62100	A.F.		

RAMSHORN CANAL from North Platte River - 1988
 Gage Location: NW1/4NE1/4 Sec. 19-23-57 W.
 near Henry
 Measuring Device: Stage recorder and weir
 Period of Record: 1919 - 1988

May	June	July	Aug.	Sept.	Total (Acre-Feet)
0	0	0	0	0	0

Appropriations: D-945

NORTH PLATTE RIVER BASIN

AKERS DRAW near Morrill - 1988
 Gage Location: NE1/4SE1/4 Sec. 11-23-57 W.
 Measuring Device: Stage recorder
 Period of Record: 1972 - 1988

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1988, 55 cubic feet per second at 0130 hours on May 25, 1988 at a gage height of 2.66.
 Minimum daily discharge, 8.7 cubic feet per second on May 17, 1988.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13	13	11	11	10	12	14	19	15	15	13	12
2	12	12	11	11	10	12	14	18	15	15	13	12
3	12	12	11	11	10	12	14	17	15	15	13	11
4	12	12	11	11	10	12	14	19	15	15	14	11
5	12	12	11	11	10	12	14	20	15	15	14	11
6	12	12	11	11	10	13	14	19	15	15	14	12
7	12	12	11	11	10	13	14	19	15	15	14	12
8	12	12	11	11	10	12	14	19	15	15	13	12
9	12	12	11	11	10	13	14	19	15	15	13	11
10	11	12	11	11	10	13	14	20	15	14	14	11
11	12	12	12	11	10	14	15	19	15	15	14	11
12	12	12	12	11	9.9	14	16	20	15	14	13	11
13	12	12	12	12	9.3	16	16	21	14	14	13	11
14	12	12	12	12	8.9	13	16	19	15	13	13	11
15	12	12	12	12	8.9	13	16	20	15	13	13	11
16	12	11	12	11	8.8	13	16	22	15	13	13	11
17	12	11	11	11	8.7	13	16	20	16	13	13	11
18	12	11	11	11	9.6	13	16	18	16	13	13	11
19	12	11	11	11	11	13	15	18	16	13	13	11
20	12	11	11	10	11	13	14	17	16	13	13	11
21	12	11	11	10	10	13	13	17	16	13	13	11
22	12	11	11	11	10	12	14	15	16	13	13	11
23	12	11	11	11	11	13	17	13	16	13	12	11
24	12	11	12	10	11	14	17	13	16	13	12	11
25	12	11	12	10	13	14	17	14	16	13	12	11
26	12	11	11	10	11	14	18	14	16	13	12	11
27	12	11	11	11	11	15	19	15	16	13	12	11
28	12	11	11	10	11	14	18	15	16	13	12	11
29	12	11	11	11	11	14	19	15	16	13	12	11
30	12	---	11	11	12	14	17	15	16	13	12	11
31	12	---	11	---	12	---	17	15	---	13	---	11
Total	372	335	349	327	319.1	396	482	544	463	426	388	346
Mean	12	12	11	11	10	13	16	18	15	14	13	11
Max.	13	13	12	12	13	16	19	22	16	15	14	12
Min.	11	11	11	10	8.7	12	13	13	14	13	12	11
A.F.	738	664	692	649	633	785	956	1080	918	845	770	686
Total 12 Months	---	---	9420	A.F.	---	---	---	---	---	---	---	---

ENTERPRISE CANAL from North Platte River - 1988
 Gage Location: NE1/4NW1/4 Sec. 27-23-57 W.
 near Morrill
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1916, 1919 - 1988

ENTERPRISE CANAL from Morrill Drain - 1988
 Gage Location: NE1/4SE1/4 Sec. 14-23-57 W.
 near Morrill
 Measuring Device: Stage observation
 Period of Record: 1921 - 1923, 1931 - 1946, 1948 - 1988

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	0	50	106	105	96	0
2	0	0	49	104	106	97	0
3	0	0	51	101	105	100	0
4	0	34	53	101	113	99	0
5	0	61	52	113	114	102	0
6	0	63	51	110	108	99	0
7	0	39	52	109	111	94	0
8	0	15	50	123	111	93	0
9	0	54	49	92	111	89	0
10	0	73	49	94	111	90	0
11	0	71	48	103	108	91	0
12	0	63	49	110	105	93	0
13	0	53	54	109	104	92	0
14	0	51	55	99	85	93	0
15	0	55	55	99	86	85	0
16	0	61	55	95	106	80	0
17	0	57	53	93	107	81	0
18	0	52	61	98	111	78	0
19	0	59	69	112	114	78	0
20	0	59	71	106	112	74	0
21	0	47	75	86	111	67	0
22	0	52	85	90	105	67	0
23	0	48	86	94	105	71	0
24	0	44	85	92	101	72	0
25	0	39	100	97	100	73	0
26	2	39	116	111	101	72	0
27	2.7	45	104	114	102	74	0
28	1.1	47	100	110	102	73	0
29	0.56	48	111	108	105	59	0
30	0	48	109	101	111	27	0
31	---	48	---	100	107	---	0
Total	6.36	1425	2047	3180	3283	2459	0
Mean	0.21	46	68	103	106	82	0
Max.	2.7	73	116	123	114	102	0
Min.	0	0	48	86	85	27	0
A.F.	13	2830	4060	6310	6510	4880	0
Total 6 Months	---	---	24600	A.F.	---	---	---

Date	Apr.	May	June	July	Aug.	Sept.
1	0	2	2	2	2	2
2	0	2	2	2	2	2
3	0	2	2	2	2	2
4	0	2	2	2	2	2
5	0	2	2	2	2	2
6	0	2	2	2	2	2
7	0	2	2	2	2	2
8	0	2	2	2	2	2
9	0	2	1	2	2	2
10	0	2	1	2	2	2
11	0	1	1	2	2	2
12	0	1	1	2	2	2
13	1	1	1	2	2	2
14	1	1	1	2	2	2
15	1	1	1	2	2	2
16	1	1	1	2	3	2
17	1	1	1	2	3	2
18	1	1	1	2	3	2
19	2	1	1	2	3	2
20	2	1	1	2	3	2
21	2	1	1	2	3	2
22	2	1	2	2	3	2
23	2	1	2	2	3	2
24	2	1	2	2	3	2
25	2	1	2	2	3	2
26	2	2	2	2	3	2
27	2	2	2	2	3	2
28	2	2	2	2	3	2
29	2	2	2	2	3	2
30	2	2	2	2	3	2
31	---	2	---	2	3	---
Total	30	47	47	62	77	60
Mean	1	1.5	1.4	2	2.5	2
Max.	2	2	2	2	3	2
Min.	0	1	1	2	2	2
A.F.	60	93	93	125	153	119
Total 6 Months	---	---	641	A.F.	---	---

NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Winter Creek - 1988
 Gage Location: NW1/4NE1/4 Sec. 17-22-54 W.
 near Scottsbluff
 Measuring Device: Stage observation
 Period of Record: 1937 - 1943, 1969 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	2	2	0
2	0	0	2	2	0
3	0	0	2	2	0
4	0	0	2	2	0
5	0	0	2	2	0
6	0	0	2	2	0
7	0	0	2	2	0
8	0	0	2	2	0
9	0	0	2	2	0
10	0	0	2	2	0
11	0	0	2	2	0
12	0	0	2	2	0
13	0	0	2	2	0
14	0	0	2	2	0
15	0	0	2	3	0
16	0	0	2	3	0
17	0	0	3	3	0
18	0	0	3	3	0
19	0	0	3	3	0
20	0	0	3	3	0
21	0	0	3	3	0
22	0	0	3	2	0
23	0	0	3	2	0
24	0	0	3	2	0
25	0	1	2	2	0
26	0	1	2	2	0
27	0	1	2	2	0
28	0	2	2	2	0
29	0	2	2	1	0
30	0	2	2	1	0
31	0	---	2	0	---
Total	0	9	70	65	0
Mean	0	0.3	2.3	2.1	0
Max.	0	2	3	3	0
Min.	0	0	2	0	0
A.F.	0	18	139	129	0
Total 5 Months	---	---	286	A.F.	---

ENTERPRISE CANAL from Dry Spottedtail Creek - 1988
 Gage Location: NW1/4SW1/4 Sec. 21-23-56 W.
 near Mitchell
 Measuring Device: Section of canal
 Period of Record: 1960 - 1969, 1985 - 1988

Apr.	May	June	July	Aug.	Sept.	Total (Acres-Feet)
0	0	0	0	0	0	0

Appropriations: D-920

SUMMARY OF DIVERSIONS FOR ENTERPRISE CANAL - 1988
 Values in Acres-feet

	Apr.	May	June	July	Aug.	Sept.	Totals
Diverted from:							
North Platte River	13	2830	4060	6310	6510	4880	24600
Morrill Drain	60	93	93	123	153	119	641
Winter Creek	0	0	18	139	129	0	286
Dry Spottedtail Cr.	0	0	0	0	0	0	0
Totals	73	2920	4170	6570	6790	5000	25530

NORTH PLATTE RIVER BASIN

DRY SPOTTEDTAIL CREEK at Mitchell - 1988
 Gage Location: SE1/4SE1/4 Sec. 20-23-56 W.
 Measuring Device: Stage recorder
 Period of Record: 1948 - 1988

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1988, 184 cubic feet per second at 0600 on July 8, 1988 at a gage height of 2.10 feet.
 Minimum daily discharge, 20 cubic feet per second on March 20, 1988.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	29	33	30	23	27	60	95	70	68	52	48	41
2	27	34	30	24	36	78	85	67	68	41	47	40
3	26	34	31	24	29	49	78	68	68	37	48	39
4	28	33	31	26	45	32	81	72	71	33	48	38
5	27	32	32	25	81	30	82	69	72	32	47	36
6	26	33	32	27	68	28	71	64	71	31	47	37
7	25	33	32	28	37	28	78	63	72	31	47	41
8	26	33	36	28	32	27	146	66	70	31	45	39
9	26	33	36	27	46	27	125	67	71	30	44	39
10	26	33	33	29	57	27	119	66	69	30	45	39
11	27	32	30	34	52	27	108	68	70	31	46	39
12	28	33	30	34	45	28	97	69	74	56	45	39
13	29	34	31	34	40	58	93	69	78	58	46	36
14	30	34	32	34	38	52	84	66	85	57	44	33
15	31	33	31	34	39	33	79	65	86	55	44	33
16	31	34	28	34	34	30	82	64	81	55	46	33
17	31	33	27	34	35	29	78	64	77	55	47	32
18	32	32	28	34	50	29	87	64	74	54	45	33
19	31	32	30	33	70	29	118	66	78	53	43	33
20	33	32	29	33	85	29	102	66	74	53	43	33
21	34	33	23	33	55	28	94	66	66	52	44	33
22	33	33	22	30	50	27	92	71	69	52	44	34
23	33	34	21	27	44	26	91	69	70	53	44	33
24	30	34	20	29	43	35	89	69	87	51	43	32
25	35	33	21	29	51	64	87	71	97	51	43	32
26	35	32	22	28	34	59	85	68	99	49	40	33
27	34	29	21	27	34	87	85	69	104	48	41	34
28	34	29	22	26	39	66	77	69	98	51	42	33
29	34	30	21	26	37	85	77	72	96	50	42	32
30	34	---	21	26	39	95	78	73	90	49	42	33
31	36	---	22	---	41	---	73	70	---	48	---	33
Total	941	947	855	880	1413	1302	2814	2100	2353	1429	1340	1097
Mean	30	33	28	29	46	43	91	68	78	46	45	35
Max.	36	34	36	34	85	95	146	73	104	58	48	41
Min.	25	29	20	23	27	26	71	63	66	30	40	32
A.F.	1870	1880	1700	1750	2800	2580	5580	4170	4670	2830	2660	2180

Total 12 Months ---- 34670 A.F.

TUB SPRINGS near Scottsbluff - 1988
 Gage Location: SW1/4SW1/4 Sec. 33-23-55 W.
 Measuring Device: Stage recorder
 Period of Record: 1948 - 1988

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1988, 250 cubic feet per second at 1755 hours on June 13, 1988, at a gage height of 2.00 feet.
 Minimum daily discharge, 21 cubic feet per second, April 6, 13, 16 and June 2.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	36	33	31	24	27	43	32	49	49	66	48	43
2	36	33	31	24	29	21	31	49	54	65	47	42
3	36	33	31	23	29	25	32	60	58	65	47	43
4	36	33	31	23	29	40	35	60	56	64	48	43
5	36	33	29	22	31	38	34	56	59	65	48	43
6	36	31	29	21	39	37	32	57	67	65	50	41
7	36	31	28	22	70	36	34	54	69	65	50	42
8	36	32	28	22	34	36	53	53	69	64	50	42
9	36	32	29	22	42	28	48	54	70	62	48	42
10	36	31	29	22	85	24	45	51	69	62	48	43
11	36	32	26	22	84	25	47	50	70	62	48	44
12	35	34	29	22	81	32	50	50	77	60	48	43
13	35	34	50	21	74	72	48	50	80	59	48	42
14	35	32	30	22	69	47	43	51	79	59	48	42
15	34	32	31	23	74	46	40	48	77	58	48	42
16	34	32	29	21	82	47	39	47	71	57	48	42
17	34	32	29	22	49	46	37	45	72	58	50	43
18	34	32	29	22	28	45	44	47	74	58	49	43
19	33	32	30	22	59	50	59	48	74	59	47	43
20	35	32	30	22	90	39	61	47	71	58	46	44
21	35	31	30	25	58	32	55	50	63	55	45	44
22	35	30	29	30	60	32	53	53	58	55	46	43
23	35	32	28	28	57	32	57	52	59	55	46	43
24	35	32	25	29	59	29	50	49	58	55	46	44
25	33	32	26	29	51	22	55	50	58	54	46	44
26	34	31	26	26	45	26	53	48	58	53	43	43
27	34	30	25	25	47	25	54	49	78	52	42	43
28	34	31	25	24	51	26	48	49	113	51	45	43
29	33	31	24	25	51	28	47	44	117	50	45	42
30	35	---	24	24	48	31	47	42	98	50	43	43
31	34	---	24	---	51	---	47	46	---	48	---	44
Total	1082	926	875	709	1683	1060	1405	1558	2125	1809	1408	1328
Mean	35	32	28	24	54	35	45	50	71	58	47	43
Max.	36	34	31	30	90	72	61	60	117	66	50	44
Min.	33	30	24	21	27	21	31	42	49	48	42	41
A.F.	2150	1840	1740	1410	3340	2100	2790	3090	4210	3590	2790	2630

Total 12 months ---- 31680 A.F.

NORTH PLATTE RIVER BASIN

WINTERS CREEK CANAL from North Platte River - 1988
 Gage Location: SE1/4SE1/4 Sec. 17-22-55 W.
 near Scottsbluff
 Measuring Device: Stage recorder and 8 ft. Parshall flume
 Period of Record: 1916, 1918 - 1988

Date	May	June	July	Aug.	Sept.
1	0	5.7	29	19	20
2	0	5.7	27	21	17
3	0	5.8	24	22	17
4	0	6	24	23	18
5	0	5.7	32	22	19
6	0	5.5	32	20	20
7	0	6.7	31	19	20
8	0	8.9	49	21	19
9	0	9.9	25	21	17
10	0	9.8	25	20	16
11	0	9.9	24	17	16
12	0	10	24	14	16
13	0	12	24	15	17
14	0	14	23	17	19
15	0	13	24	19	18
16	0	13	23	10	18
17	0	12	24	13	17
18	0	12	27	18	17
19	0	11	26	19	18
20	0	10	26	18	20
21	0	11	25	14	18
22	0	12	23	17	15
23	0	20	23	20	15
24	0	23	22	16	15
25	0	21	21	15	16
26	0	30	22	13	15
27	4.4	27	23	14	16
28	6.8	16	19	20	13
29	6.2	26	20	19	3.4
30	6.4	33	18	25	0
31	6.5	---	19	25	---
Total	30.3	405.6	778	566	485.4
Mean	1	13	25	18	16
Max.	6.8	33	49	25	20
Min.	0	0	18	10	0
A.F.	60	804	1540	1120	963
TOTAL 5 MONTHS	----	----	4490	A.F.	

Appropriations: D-952

WINTERS CREEK CANAL from Winters Creek - 1988
 Gage Location: SW1/4NE1/4 Sec. 19-22-54 W.
 near Scottsbluff
 Measuring Device: Stage recorder and 8 ft. Parshall flume
 Period of Record: 1919 - 1988

Date	May	June	July	Aug.	Sept.
1	0	17	37	45	31
2	0	12	38	43	32
3	0	9.9	38	49	32
4	0	15	37	52	32
5	0	15	39	50	33
6	0	15	37	48	33
7	0	12	45	48	31
8	0	13	51	49	0
9	0	14	53	47	32
10	0	17	50	48	31
11	0	16	47	48	30
12	0	15	46	49	31
13	0	5.5	44	50	28
14	0	9.4	47	47	27
15	0	16	50	41	27
16	2.3	18	48	43	31
17	5.6	17	50	44	31
18	4.9	15	51	47	31
19	8.5	16	51	48	30
20	4	16	47	48	21
21	0.79	20	42	49	21
22	0.61	21	42	48	23
23	0.45	15	43	46	22
24	5	20	43	44	17
25	9.6	29	44	42	17
26	8.8	33	42	42	18
27	11	32	44	45	19
28	17	32	43	44	27
29	16	31	46	39	0.53
30	17	34	47	37	0
31	17	---	46	32	---
Total	128.55	550.8	1388	1412	738.53
Mean	4	18	45	46	25
Max.	17	34	53	52	33
Min.	0	5.5	37	32	0
A.F.	255	1090	2750	2800	1460
TOTAL 5 MONTHS	----	----	8360	A.F.	

Appropriations: A-1446 (O.D. D-952)

WINTERS CREEK FACTORY LATERAL from Winters Creek - 1988
 Gage Location: SE1/4NW1/4 Sec. 19-22-54 W.
 near Scottsbluff
 Measuring Device: Stage recorder and 2 ft. Parshall flume
 Period of Record: 1937 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	6.8	7.3	6.7
2	0	0	7.1	7	7
3	0	0	8	7.1	7.3
4	0	0	7.3	8.2	7.2
5	0	0	9.3	8.6	7.2
6	0	0	9	8.7	7.4
7	0	0	8.3	8.9	7.4
8	0	0.42	7	8.3	7.4
9	0	0.67	6.4	7.3	7.4
10	0	0.6	5.8	7.3	7.4
11	0	0.66	5.7	7.3	7.4
12	0	0.61	5.7	7.4	7.4
13	0	0.42	6.3	7.5	7.5
14	0	0.46	6.3	7.4	7.4
15	0	0.53	6.6	7.2	7.1
16	0	0.45	6.4	7.4	6.7
17	0	0.43	6.2	7.4	6.7
18	0	0.53	6.2	7.4	6.7
19	0	0.55	7.9	7.4	7.7
20	0	0.55	8.3	7.4	8.1
21	0	0.59	6.3	7.5	7.8
22	0	1.3	7	7.5	3.2
23	0	1.8	7.4	7.4	0
24	0	3	7.2	7.2	0
25	0	3.1	6.3	7.1	0
26	0	4.1	6.8	7.1	0
27	0	4.3	7.2	7.1	0
28	0	3.9	7.4	7.1	0
29	0	4.9	7.4	7	0
30	0	7.3	7.5	6.9	0
31	0	---	7.4	6.8	---
Total	0	41.17	218.5	231.2	156.1
Mean	0	1	7	7	5
Max.	0	7.3	9.3	8.9	8.1
Min.	0	0	5.7	6.8	0
A.F.	0	82	433	459	310
TOTAL 5 Months	----	----	1280	A.F.	

CENTRAL CANAL from North Platte River - 1988
 Gage Location: NW1/4NW1/4 Sec. 36-22-55 W.
 near Gering
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1919 - 1988

Date	May	June	July	Aug.	Sept.
1	0	14	26	30	26
2	0	13	27	30	27
3	0	12	27	30	29
4	0	10	27	29	30
5	0	11	29	29	27
6	0	11	29	28	24
7	0	9.7	29	28	24
8	0	8.8	31	30	18
9	0	7.4	30	32	12
10	0	5.9	31	31	11
11	0	4.8	32	30	12
12	0	5.4	33	30	12
13	0	18	33	29	12
14	3.8	20	33	28	12
15	13	11	34	29	13
16	16	10	32	28	12
17	14	11	32	28	11
18	20	13	32	28	11
19	11	8.3	33	28	10
20	4.4	4	31	28	9.5
21	7.9	0.11	29	28	8.3
22	7.3	0	28	29	6.1
23	9.5	0	29	29	6.9
24	9.5	0	29	27	5.9
25	11	1.5	30	26	7.4
26	13	21	28	25	7
27	20	22	33	25	8.4
28	17	23	30	25	8.7
29	14	23	30	25	3.2
30	14	23	29	25	0
31	14	---	29	26	---
Total	219.4	321.91	935	873	404.4
Mean	7	11	30	28	13
Max.	20	23	34	32	30
Min.	0	0	26	25	0
A.F.	435	638	1850	1730	802
TOTAL 5 Months	----	----	5460	A.F.	

Appropriations: D-926

NORTH PLATTE RIVER BASIN

MELBETA DRAIN near Melbeta - 1988
 Gage Location: SE1/4SW1/4 Sec. 13-21-54 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1988

Date	May	June	July	Aug.	Sept.
1	2.2	4.6	6	9	18
2	3	5.4	7	10	21
3	3	3.4	8.3	4.6	20
4	1.8	2.4	9	8.5	18
5	1.4	2.2	10	26	19
6	1.8	2	13	15	20
7	1.8	13	6.8	14	11
8	1.8	20	13	12	16
9	1.8	19	21	20	5.4
10	1.8	17	19	20	7.4
11	0.8	15	17	17	7.2
12	0.8	16	15	9.5	7
13	0.8	18	14	12	14
14	1.4	7.8	10	14	16
15	1.6	16	9	16	12
16	1.8	34	12	9	14
17	0.8	23	16	10	12
18	1.8	19	18	8.8	11
19	17	21	20	16	10
20	52	23	20	16	11
21	8.8	21	22	16	11
22	6.8	18	18	16	13
23	4.8	16	15	15	21
24	5.8	10	20	16	21
25	5.8	10	25	9.5	21
26	7	12	20	11	21
27	14	15	18	13	10
28	12	8.8	16	14	6.2
29	10	10	16	14	3.4
30	7	14	15	14	3.2
31	5.4	---	12	16	---
Total	186.6	416.8	461.1	421.9	400.8
Mean	6	13.9	14.9	13.6	13.4
Max.	52	34	25	26	21
Min.	0.8	2	6	4.6	3.2
A.F.	370	827	915	837	795
Total 5 Months	---	---	3740	A.F.	---

NINE MILE CANAL from North Platte River - 1988
 Gage Location: SW1/4SW1/4 Sec. 16-21-53 W.
 near Minatare
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1918 - 1919, 1921 - 1988

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	42	67	49	55	63	33
2	0	42	65	44	52	66	26
3	0	44	60	39	53	68	17
4	0	62	57	39	56	69	7.1
5	0	60	55	47	56	70	0.58
6	0	45	55	57	54	71	0.05
7	0	42	52	65	53	67	0
8	0	40	55	68	54	61	0
9	0	38	59	115	56	58	0
10	0	38	57	73	56	56	0
11	0	49	57	76	57	57	0
12	0	46	59	72	56	60	0
13	0	42	80	71	56	61	0
14	5	40	84	67	55	63	0
15	10	37	82	45	55	64	0
16	15	47	77	56	51	63	0
17	20	52	72	65	51	64	0
18	30	47	68	64	54	60	0
19	41	56	63	70	53	56	0
20	46	148	57	74	54	58	0
21	50	109	46	67	55	58	0
22	55	60	31	51	57	53	0
23	55	57	23	61	59	43	0
24	56	50	13	69	61	40	0
25	48	48	0	67	60	43	0
26	43	39	0	66	58	47	0
27	46	54	5.1	68	56	50	0
28	48	71	0.29	67	56	56	0
29	46	68	0	63	58	45	0
30	43	66	12	60	58	35	0
31	--	68	--	58	62	--	0
Total	657	1707	1411.3	1953	1727	1725	83.73
Mean	22	55	47	63	56	58	3
Max.	56	148	84	115	62	71	33
Min.	0	37	0	39	51	35	0
A.F.	1300	3390	2800	3870	3430	3420	170
Total 7 Months	---	---	18380	A.F.	---	---	---

Appropriations: D-925

NINE MILE CANAL from Nine Mile Drain - 1988
 Gage Location: SE1/4SW1/4 Sec. 10-21-53 W.
 near Minatare
 Measuring Device: Stage observation
 Period of Record: 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	45	35	24	0
2	0	0	40	35	25	0
3	0	0	43	36	23	0
4	0	0	42	40	23	0
5	0	0	41	40	23	0
6	0	0	41	41	24	0
7	0	0	41	39	27	0
8	0	0	43	38	23	0
9	0	0	56	38	21	0
10	0	0	50	41	20	0
11	0	0	47	43	20	0
12	0	0	44	41	19	0
13	0	0	44	41	19	0
14	0	0	42	41	19	0
15	0	0	32	41	18	0
16	0	0	28	41	16	0
17	0	0	30	41	17	0
18	0	0	37	43	16	0
19	0	0	45	40	15	0
20	0	0	48	39	19	0
21	0	0	44	38	19	0
22	0	0	36	39	20	0
23	0	17	25	35	20	0
24	0	20	30	36	17	0
25	0	25	34	34	16	0
26	0	30	38	36	15	0
27	0	35	39	32	14	0
28	0	37	39	31	14	0
29	0	39	40	33	13	0
30	0	48	38	28	10	0
31	0	--	36	25	--	0
Total	0	251	1238	1161	569	0
Mean	0	8	40	37	19	0
Max.	0	48	56	43	27	0
Min.	0	0	25	25	10	0
A.F.	0	500	2460	2300	1130	0
Total 6 Months	---	---	6390	A.F.	---	---

Appropriations: A-1431 (O. D. D-925)

NORTH PLATTE RIVER BASIN

NINE MILE DRAIN near McGrew - 1988
 Gage Location: SE1/4SE1/4 Sec. 23-21-53 W.
 Measuring Device: Stage recorder
 Period of Record: 1932 - 1988

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1988, 317 cubic feet per second at 1600 hours on May 4, 1988 at a gage height of 2.89 feet. Minimum daily discharge, 58 cubic feet per second on June 28, 1988.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	74	70	68	64	83	125	89	161	218	206	118	103
2	74	71	67	64	82	121	87	153	220	196	115	104
3	74	71	67	63	83	119	89	161	217	187	116	104
4	72	70	67	63	198	118	92	168	216	181	114	103
5	73	69	67	62	230	116	93	164	216	173	113	104
6	72	70	68	63	127	113	101	166	215	166	114	103
7	76	70	66	70	155	105	111	170	220	164	114	102
8	78	71	66	72	197	106	120	177	218	164	113	101
9	75	71	68	62	148	105	134	178	222	160	113	99
10	74	70	67	61	96	104	131	180	222	156	111	100
11	74	69	64	62	102	104	137	184	226	152	111	99
12	73	71	66	63	105	98	135	183	229	151	111	98
13	73	74	67	62	105	131	140	190	235	151	110	98
14	73	71	67	62	107	132	139	196	237	146	110	97
15	74	71	65	68	95	162	127	201	246	140	111	95
16	73	71	66	80	78	187	130	184	240	140	108	94
17	73	69	67	80	80	176	139	182	238	138	109	94
18	73	69	67	70	80	165	151	186	239	136	107	95
19	70	68	68	69	107	161	211	187	236	136	107	95
20	72	69	68	73	246	136	230	189	234	132	108	92
21	71	69	68	72	194	92	214	194	231	130	106	92
22	71	67	67	93	157	82	168	225	227	129	106	90
23	73	67	67	99	150	71	144	226	231	127	107	90
24	70	68	65	102	129	65	154	235	222	126	106	89
25	72	69	64	102	116	59	157	238	222	125	106	88
26	72	68	65	90	110	61	154	226	220	124	105	88
27	72	67	66	87	108	61	157	208	223	121	104	85
28	71	67	64	90	111	58	158	212	260	120	106	85
29	72	68	65	96	108	62	152	218	238	119	104	86
30	72	---	64	92	108	74	152	217	212	118	104	86
31	71	---	65	---	123	---	153	222	---	118	---	85
Total	2257	2015	2056	2256	3918	3269	4349	5981	6830	4530	3287	2944
Mean	73	69	66	75	126	109	140	193	228	146	110	95
Max.	78	74	68	102	246	187	230	238	260	206	118	104
Min.	70	67	64	61	78	58	87	153	212	118	104	85
A.F.	4680	4000	4080	4470	7770	6480	8630	11860	13550	8990	6520	5840

Total 12 Months - - 86670 A.F.

SHORT LINE CANAL from North Platte River - 1988
 Gage Location: NW1/4SE1/4 Sec. 25-21-53 W. near McGrew
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1916, 1920 - 1988

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	14	16	40	38	29	23
2	0	15	15	37	36	30	21
3	0	14	16	39	36	30	20
4	0	20	16	40	34	30	12
5	0	16	22	39	34	29	0
6	0	14	32	40	35	28	0
7	0	21	31	40	35	27	0
8	0	19	33	40	37	26	0
9	0	15	34	41	37	26	0
10	0	16	34	39	36	26	0
11	0	18	34	40	31	26	0
12	0	17	35	36	30	27	0
13	0	16	43	36	32	28	0
14	10	17	37	37	31	29	0
15	20	18	39	37	33	29	0
16	20	19	34	38	30	29	0
17	21	21	27	38	32	25	0
18	21	24	28	40	34	24	0
19	22	24	27	41	34	23	0
20	22	5	26	40	34	21	0
21	22	0	29	38	33	23	0
22	26	0	29	37	34	22	0
23	21	0	26	38	30	23	0
24	19	0	29	38	28	22	0
25	19	0	25	39	30	22	0
26	17	0	27	37	29	23	0
27	18	0	28	35	27	27	0
28	19	7.3	31	36	28	30	0
29	19	7.1	36	34	29	23	0
30	16	7.7	38	32	29	24	0
31	---	14	000	35	30	---	0
Total	332	377.1	877	1177	1006	781	76
Mean	11	12	28	38	32	26	2
Max.	26	24	43	41	38	30	23
Min.	0	0	0	32	27	21	0
A.F.	660	750	1740	2330	2000	1550	150
Total 7 Months			9180				

A.F.

Appropriations: D-946

CHIMNEY ROCK CANAL from North Platte River - 1988
 Gage Location: NE1/4SE1/4 Sec. 1-20-53 W. near Bayard
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1916 - 1988

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	26	24	66	81	63	0
2	0	29	23	88	76	64	0
3	0	27	29	90	77	63	0
4	0	35	28	98	86	63	0
5	0	34	29	100	76	34	0
6	0	31	27	102	76	23	0
7	0	30	27	96	74	31	0
8	0	31	28	103	83	37	0
9	0	33	24	95	78	39	0
10	0	28	25	88	79	38	0
11	0	27	25	89	78	43	0
12	0	29	24	87	71	40	0
13	0	28	27	90	68	37	0
14	11	26	21	88	65	28	0
15	20	29	25	91	68	28	0
16	18	31	24	89	37	30	0
17	15	31	24	90	59	30	0
18	11	31	21	93	63	32	0
19	10	29	16	101	63	32	0
20	18	29	21	101	63	27	0
21	25	16	30	100	62	26	0
22	17	11	30	97	62	24	0
23	16	19	29	84	62	21	0
24	29	23	44	82	64	24	0
25	31	27	43	92	60	26	0
26	17	27	39	80	61	22	0
27	27	22	48	79	61	28	0
28	29	26	49	70	60	30	0
29	26	29	43	70	61	20	0
30	29	25	54	62	60	6	0
31	--	26	--	75	62	--	0
Total	349	845	901	2756	2096	1009	0
Mean	12	27	30	89	68	34	0
Max.	31	35	54	103	86	64	0
Min.	0	11	16	66	37	6	0
A.F.	690	1680	1790	5470	4160	2000	0
Total 7 Months			15790				

A.F.

Appropriations: D-844, D-1031, A-2190

NORTH PLATTE RIVER BASIN

ALLIANCE CANAL from Red Willow Creek - 1988
 Gage Location: NW1/4SW1/4 Sec. 6-20-51 W.
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1918 - 1926, 1928 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	28	48	48	42	18
2	0	28	52	46	43	18
3	0	28	53	47	49	18
4	0	24	52	56	49	21
5	0	14	55	59	46	10
6	0	22	55	57	44	0
7	0	29	51	58	42	0
8	0	28	58	57	42	0
9	0	28	47	58	36	0
10	0	19	54	58	40	0
11	11	27	58	58	40	0
12	11	0	60	59	36	0
13	22	23	58	59	35	0
14	20	2.3	54	58	35	0
15	18	0	53	55	32	0
16	13	23	54	55	29	0
17	18	36	56	57	32	0
18	20	37	57	57	27	0
19	18	36	4.9	57	29	0
20	0	29	0	56	29	0
21	0	36	49	57	28	0
22	0	30	49	55	28	0
23	0	24	53	46	29	0
24	0	42	50	50	31	0
25	14	42	56	48	30	0
26	29	34	52	44	27	0
27	40	51	56	52	28	0
28	40	45	54	48	28	0
29	28	41	55	51	18	0
30	28	50	55	51	14	0
31	28	--	52	54	--	0
Total	358	856.3	1560.9	1671	1018	85
Mean	12	29	50	54	34	3
Max.	40	51	60	59	49	21
Min.	0	0	0	44	14	0
A.F.	710	1700	3100	3310	2020	170
Total 6 Months	---	---	11010	A.F.		

Appropriations: A-1429 (O. D. D-874), A-1432, A-1436

BELMONT CANAL from North Platte River - 1968
 Gage Location: NW1/4SW1/4 Sec. 20-20-51 W.
 near Bridgeport
 Measuring Device: Stage recorder and 15 ft. Parshall flume
 Period of Record: 1916 - 1950, 1950 - 1961 (Published as Belmont-Empire Canal), 1962 - 1988

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	25	75	129	128	113	41
2	0	26	73	126	128	112	0
3	0	26	71	129	128	111	0
4	0	27	74	127	129	115	0
5	0	31	74	129	129	119	0
6	0	32	75	131	129	118	0
7	0	30	75	131	130	116	0
8	0	29	69	127	127	114	0
9	0	28	68	127	129	114	0
10	0	27	69	129	130	113	0
11	0	27	67	131	131	109	0
12	0	26	77	129	128	110	0
13	0	27	82	129	120	111	0
14	0	33	55	129	116	109	0
15	0	35	53	130	115	109	0
16	7	40	56	130	115	109	0
17	14	64	70	128	117	111	0
18	14	99	74	128	115	112	0
19	14	95	70	128	114	111	0
20	14	77	85	129	114	112	0
21	15	49	90	123	112	112	0
22	17	44	98	125	113	104	0
23	16	43	112	124	113	99	0
24	16	68	106	128	108	99	0
25	19	68	98	135	108	99	0
26	22	66	94	130	109	98	0
27	23	59	108	130	110	99	0
28	26	60	115	129	112	102	0
29	27	75	122	128	113	94	0
30	27	73	132	127	114	93	0
31	---	77	---	127	116	---	0
Total	271	1466	2483	3982	3700	3247	41
Mean	9	47	83	128	119	108	1
Max.	27	99	132	135	131	119	41
Min.	0	25	53	123	108	93	0
A.F.	540	2910	4920	7900	7340	6440	80
Total 7 Months	----	----	30130	A.F.			

Appropriations: D-828

EMPIRE CANAL from North Platte River - 1988
 Gage Location: SE1/4NE1/4 Sec. 19-20-51 W.
 near Bridgeport
 Measuring Device: Stage recorder and 4 ft. Parshall flume
 Period of Record: 1916, 1918 - 1919, 1921 - 1926, 1929 - 1945,
 1948 - 1950, 1951 - 1961 (Published as Belmont-Empire Canal), 1962 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	14	25	26	25	9.7
2	0	15	25	26	27	0
3	0	15	25	26	26	0
4	0	16	25	26	27	0
5	0	16	25	26	27	0
6	0	23	25	26	27	0
7	0	19	26	26	26	0
8	0	18	25	21	26	0
9	0	19	26	22	26	0
10	0	19	26	29	26	0
11	0	19	26	27	26	0
12	0	20	27	25	26	0
13	0	21	30	25	26	0
14	0	17	25	24	25	0
15	0	16	25	24	25	0
16	0	16	25	24	26	0
17	0	18	25	24	26	0
18	0	19	25	24	26	0
19	0	19	25	24	26	0
20	0	21	25	24	26	0
21	0	21	25	25	26	0
22	0	22	24	28	25	0
23	0	24	25	28	25	0
24	0	24	25	27	25	0
25	0	24	26	26	25	0
26	0	23	26	26	25	0
27	0	25	26	26	25	0
28	4.1	25	25	27	25	0
29	9	25	25	27	24	0
30	13	26	25	27	23	0
31	14	--	25	25	--	0
Total	40.1	599	788	791	769	9.7
Mean	1	20	25	26	26	0
Max.	14	28	30	29	27	9.7
Min.	0	14	24	21	23	0
A.F.	80	1190	1540	1570	1530	20
Total 6 Months	----	----	5950	A.F.		

Appropriations: D-857, A-866

INDIAN CREEK near Northport - 1988
 Gage Location: NE1/4SE1/4 Sec. 19-20-50 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1988

Date	May	June	July	Aug.	Sept.
1	6.4	14	33	32	22
2	13	20	31	34	30
3	8.5	26	29	30	38
4	6.1	27	30	14	46
5	5.8	19	30	17	46
6	4.2	11	38	21	45
7	4.2	27	35	22	45
8	4.2	23	19	24	45
9	4.2	21	19	32	43
10	4.2	19	18	34	44
11	4.2	13	18	28	44
12	3.7	7.2	32	34	45
13	3.7	14	32	34	32
14	2.4	6.1	35	34	32
15	7	14	31	35	34
16	12	45	19	11	40
17	6.1	26	8.1	23	41
18	9.5	28	5.8	35	42
19	9.8	29	13	28	42
20	21	23	34	50	48
21	2.2	32	62	46	36
22	2.2	29	45	43	24
23	2.2	25	41	29	26
24	9.1	18	38	29	26
25	13	28	35	33	26
26	10	28	21	40	39
27	20	29	11	28	34
28	27	24	11	31	38
29	34	30	9.8	34	40
30	28	38	29	26	20
31	22	---	30	26	---
Total	309.9	691.3	842.7	937	1113
Mean	10	23	27	30	37
Max.	34	45	62	50	48
Min.	2.2	6.1	5.8	11	20
A.F.	610	1370	1670	1860	2210
Total 5 Months	----	----	7720	A.F.	

UPPER DUGOUT CREEK near Bridgeport - 1988
 Gage Location: SE1/4SE1/4 Sec. 20-20-50 W.
 Measuring Device: Stage observation
 Period of Record: 1931 - 1988

Date	May	June	July	Aug.	Sept.
1	2.3	6.1	2.6	5	31
2	14	53	24	25	30
3	14	52	21	24	32
4	3.5	44	20	25	33
5	3.5	30	18	26	34
6	3.5	15	26	34	35
7	3.5	14	29	31	36
8	3.5	10	29	28	50
9	3.5	9.9	33	7.2	57
10	3.5	9.9	35	6.9	58
11	3.5	8.4	37	28	60
12	20	6.6	7.8	28	55
13	95	6.6	5.2	29	35
14	60	86	3.3	30	21
15	63	98	21	23	30
16	66	88	23	21	30
17	68	95	26	7.8	29
18	84	70	22	7.2	28
19	91	42	45	7.8	23
20	99	35	34	15	30
21	106	34	12	15	19
22	90	27	11	15	22
23	83	31	12	16	28
24	76	31	22	46	24
25	70	30	33	55	21
26	56	29	27	38	23
27	56	28	31	45	18
28	59	27	37	48	18
29	62	33	34	51	17
30	65	32	8.2	45	9.9
31	67	---	6.6	45	---
Total	1494.3	1136.4	719.1	827.9	936.9
Mean	48	38	23	27	31
Max.	106	98	45	55	60
Min.	2.3	6.6	3.3	5	9.9
A.F.	2960	2250	1430	1640	1860
Total 5 Months	----	10140	A.F.		

COURTHOUSE ROCK CANAL from Pumpkin Creek - 1988
 Gage Location: SE1/4SW1/4 Sec. 30-19-50 W.
 near Bridgeport
 Measuring Device: Stage recorder and concrete box
 Period of Record: 1917 - 1927, 1930 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	7.1	6.6	7
2	0	0	2.3	6.4	6.9
3	0	0	2.3	6.4	6.8
4	0	0	4.9	6.4	6.8
5	0	0	8.8	6.4	6.9
6	0	0	8.5	6.3	6.9
7	0	0	9.4	6.3	7.2
8	0	0	11	5.9	7
9	0	0	12	6.7	7
10	0	2.7	10	5.1	7.1
11	0	4.6	8.7	1.2	7.2
12	0	4.9	8.8	1.1	7.4
13	0	5.3	8.2	1.1	7.4
14	0	5.3	7.9	1.1	7.5
15	0	5.8	8	3.5	7.4
16	0	5.8	8	6.7	7.1
17	0	5.5	8.1	6.8	7.1
18	0	5.3	7.3	6.8	7.1
19	0	6.8	6.1	6.6	6.9
20	0	7.8	8.4	6.6	6.4
21	0	7.6	7.6	6.6	6.3
22	0	7.5	7.2	6.5	3.5
23	0	7.6	7.4	6.5	0.12
24	0	8	7.4	6.4	0
25	0	8.1	8.2	5.6	0
26	0	8.1	7.2	5.4	0
27	0	8.1	7.2	6.5	0
28	0	8.1	7.2	6.5	0
29	0	8.2	7.1	6.5	0
30	0	8.3	7	6.6	0
31	0	---	6.9	6.7	---
Total	0	139.4	236.2	173.8	151.02
Mean	0	4.6	7.6	5.6	5
Max.	0	8.3	12	6.8	7.5
Min.	0	0	2.3	1.1	0
A.F.	0	276	448	364	300
Total 5 Months			1590	A.F.	

Appropriations: D-840, 1028, A-851, A-2315

BROWNS CREEK CANAL from North Platte River - 1988
 Gage Location: NW1/4SE1/4 Sec. 28-20-50 W.
 near Bridgeport
 Measuring Device: Stage recorder and 8 ft. Parshall flume
 Period of Record: 1916 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	23	92	82	35	6.4
2	0	22	85	82	34	6.2
3	0	21	89	81	30	6.4
4	0	19	93	91	25	6.3
5	0	21	95	92	23	6
6	0	25	103	93	22	5.8
7	0.17	24	104	90	20	5.6
8	0.24	23	108	87	19	3.6
9	12	31	104	91	20	0.06
10	11	28	98	88	27	0
11	29	34	91	77	27	0
12	26	38	87	76	26	0
13	30	43	89	74	21	0
14	25	51	90	66	21	0
15	18	44	96	59	22	0
16	22	39	98	57	19	0
17	36	36	96	57	12	0
18	22	34	97	61	12	0
19	20	39	95	68	11	0
20	22	50	91	67	11	0
21	26	63	82	63	11	0
22	9.9	62	72	68	11	0
23	14	55	84	69	11	0
24	26	72	84	62	11	0
25	23	83	88	61	11	0
26	22	89	79	60	11	0
27	21	83	74	61	12	0
28	23	83	78	56	8.4	0
29	23	82	73	47	1.9	0
30	22	95	72	36	2.8	0
31	23	---	81	35	---	0
Total	506.31	1412	2768	2157	528.1	46.36
Mean	16	47	89	70	18	1
Max.	36	95	108	93	35	6.4
Min.	0	19	72	35	1.9	0
A.F.	1000	2800	5490	4280	1050	90
Total 6 Months	----	14710	A.F.			

Appropriations: D-857, D-1033

LAST CHANCE CANAL from Pumpkin Creek - 1988
 Gage Location: SE1/4NW1/4 Sec. 27-19-50 W.
 near Bridgeport
 Measuring Device: Stage recorder
 Period of Record: 1921 - 1922, 1931 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	0	2.8	0.66
2	0	0	0	2.7	0.27
3	0	0	0	2.8	0
4	0	0	0	3.2	0
5	0	0	0	3.2	0
6	0	0	0.8	3	0
7	0	0	2.7	3.1	0
8	0	0	2.5	3.2	0
9	0	0	2.5	3.2	0
10	0	0	2.4	3.1	0
11	0	0	2.6	3.8	0
12	0	0	2.8	3.8	0
13	0	0	2.6	3.9	0
14	0	0	2.7	3.8	0
15	0	0	2.6	3.5	0
16	0	0	2.5	2.4	0
17	0	0	2.3	2.5	0
18	0	0	1.7	2.6	0
19	0	0	2.7	2.6	0
20	0	0	2.1	2.6	0
21	0	0	2	2.6	0
22	0	0	2.1	2.5	0
23	0	0	2.1	2.4	0
24	0	0	2.2	2.2	0
25	0	0	2.6	2.2	0
26	0	0	3	2.1	0
27	0	0	2.8	2.2	0
28	0	0	2.7	2.2	0
29	0	0	2.7	1.1	0
30	0	0	2.7	0.29	0
31	0	---	2.8	0.58	---
Total	0	0	63.2	82.17	0.93
Mean	0	0	2	2.7	0
Max.	0	0	3	3.9	0.66
Min.	0	0	0	0.29	0
A.F.	0	0	125	163	2
Total 5 Months	----	290	A.F.		

Appropriations: D-883

NORTH PLATTE RIVER BASIN

BELMONT SPILL into Pumpkin Creek - 1988
 Gage Location: SW1/4NE1/4 Sec. 23-19-50 W.
 near Bridgeport
 Measuring Device: Stage observation and 12 ft. weir
 Period of Record: 1965 - 1988

Date	May	June	July	Aug.	Sept.
1	0	25	0	0	16
2	12	25	0	0	16
3	12	20	0	0	16
4	12	15	0	0	16
5	12	10	0	0	16
6	12	10	0	0	16
7	12	10	0	0	16
8	12	5	0	0	16
9	12	5	0	0	16
10	12	5	0	0	16
11	6	3	0	0	16
12	6	3	0	0	16
13	6	3	0	0	16
14	6	3	0	0	16
15	6	3	0	0	16
16	6	3	0	0	16
17	6	3	0	0	16
18	1	3	0	0	16
19	25	3	0	0	16
20	25	3	5	0	20
21	25	3	5	0	21
22	25	3	5	0	21
23	25	3	5	0	21
24	25	3	5	0	21
25	25	3	5	10	21
26	25	0	5	15	21
27	25	0	5	15	21
28	25	0	0	15	21
29	25	0	0	15	21
30	25	0	0	15	21
31	25	---	0	15	---
Total	476	175	40	100	534
Mean	15	6	1	3	18
Max.	25	25	5	15	21
Min.	0	0	0	0	16
A.F.	946	347	79	198	1060
Total 5 Months	---	---	2630	A.F.	---

MURKIN-AMMER CANAL from Pumpkin Creek - 1988
 Gage Location: NE1/4NE1/4 Sec. 23-19-50 W.
 near Bridgeport
 Measuring Device: Stage recorder and 2.5 ft. Parshall flume
 Period of Record: 1931 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	5.3	5.5	0
2	0	0	5.4	5.4	0
3	0	0	5.4	4.6	0
4	0	0	5.3	5.3	0
5	0	0	5.2	5.8	0
6	0	0	5.4	5.8	0
7	0	0	5.5	5.5	0
8	0	0	5.4	5.3	0
9	0	0	5.3	6.1	0
10	0	0	5.1	6.7	0
11	0	0	5.3	5.5	0
12	0	0	5.5	5	1.3
13	0	0	5.5	5.1	2
14	0	0	5.5	4.9	1.8
15	0	0	5.5	4.9	1.7
16	0	0	5.4	4.5	1.2
17	0	0	5.2	4	0.33
18	0	0	3.6	3.6	0
19	0	2.7	5.5	3.9	0
20	0	5.1	5.2	4.3	0
21	0	5	5.5	4.3	0
22	0	5.5	5.5	4.5	0
23	0	6.4	5.7	4.5	0
24	0	6.4	5.7	4.7	0
25	0	6.5	5.7	4.1	0
26	0	6.8	5.7	3.3	0
27	0	7.2	7.1	1.4	0
28	0	5.9	5.7	0	0
29	0	5.2	4.9	0	0
30	0	5.2	5.3	0	0
31	0	---	5.3	0	---
Total	0	67.9	167.6	128.5	8.33
Mean	0	2.3	5.4	4.1	0.3
Max.	0	7.2	7.1	6.7	2
Min.	0	0	3.6	0	0
A.F.	0	135	332	255	17
Total 5 Months	---	---	739	A.F.	---

Appropriations: D-876

SILVERNAIL DRAIN near Bridgeport - 1988
 Gage Location: SE1/4SW1/4 Sec. 6-19-49 W.
 Measuring Device: Stage observation
 Period of Record: 1925 - 1949, 1956 - 1988

Date	May	June	July	Aug.	Sept.
1	10	26	24	14	25
2	3.1	26	24	12	25
3	3.9	24	24	12	26
4	3.4	29	21	13	28
5	3.7	28	17	26	29
6	4	28	14	18	30
7	4.3	24	14	16	28
8	5.2	23	12	15	24
9	6.1	22	22	17	22
10	5.8	21	21	19	22
11	5.4	19	20	14	21
12	5.7	18	18	13	22
13	5.9	17	18	16	21
14	6.2	16	18	20	24
15	13	14	19	20	21
16	20	14	19	17	22
17	10	16	19	16	25
18	9.9	18	21	20	28
19	16	21	25	19	27
20	22	25	23	17	27
21	19	18	26	23	25
22	18	20	24	30	17
23	17	20	25	31	17
24	21	22	18	29	17
25	18	23	12	29	17
26	20	22	10	27	26
27	20	22	17	25	25
28	20	22	15	25	18
29	19	13	13	25	10
30	22	22	13	30	6.4
31	24	---	14	26	---
Total	381.6	633	580	634	675.4
Mean	12	21	19	20	23
Max.	24	29	26	31	30
Min.	3.1	13	10	12	6.4
A.F.	760	1260	1150	1260	1340
Total 5 Months	---	---	5770	A.F.	---

BEERLINE CANAL from North Platte River - 1988
 Gage Location: SE1/4NE1/4 Sec. 24-19-49 W.
 near Broadwater
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1919 - 1922, 1924 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	20	19	15	3.6
2	0	0	20	20	14	2.9
3	0	0	18	19	9.9	2.6
4	0	0	17	18	8.7	2.1
5	0	0	16	19	8.7	1.7
6	0	0	15	20	7.8	1.6
7	0	0	16	20	5.3	1.8
8	0	0	16	20	3.9	1.8
9	0	0	15	20	3.5	1.8
10	0	0	18	20	3.5	2
11	0	0	19	21	3.7	1.4
12	0	0	24	20	3.9	1.3
13	0	0	24	15	3.9	1.3
14	0	0	25	15	4.1	1.3
15	0	0	24	15	4.5	1.2
16	0	0	23	14	4.5	1.1
17	0	0	22	13	4.7	0.48
18	0	0.77	21	16	4.6	0
19	0	4.5	23	18	3.7	0
20	0	3.1	23	11	3.3	0
21	0	14	24	14	3.6	0
22	0	19	24	15	3.9	0
23	0	23	22	15	3.7	0
24	0	21	18	15	3.3	0
25	0	21	16	15	3	0
26	0	19	14	15	3.1	0
27	0	20	13	15	2.7	0
28	0	20	13	15	2.8	0
29	0	19	13	15	4	0
30	0	19	14	15	4	0
31	0	---	19	15	---	0
Total	0	203.37	589	517	155.3	29.98
Mean	0	7	19	17	5	1
Max.	0	23	25	21	15	3.6
Min.	0	0	13	11	2.7	0
A.F.	0	400	1170	1030	310	60
Total 6 Months	---	---	2970	A.F.	---	---

Appropriations: D-887

BELMONT CANAL from Cedar Creek - 1988
 Gage Location: NE1/4SW1/4 Sec. 23-18-48 W. near Broadwater
 Measuring Device: Stage recorder and concrete box
 Period of Record: 1919, 1922 - 1923, 1926 - 1927, 1929 - 1943, 1948 - 1952, 1955 - 1964, 1966 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	5.7	4.4	5.6
2	0	0	5.1	4.7	6.2
3	0	0	6	5	6.5
4	0	0	5.7	5.3	7
5	0	0	5.4	5.2	7.5
6	0	0	5.8	4.1	7.6
7	0	0	5.5	4.1	7.6
8	0	0	5.9	5	7.8
9	0	0	5.9	4.6	8.1
10	0	0	5	5.5	8
11	0	0	5.6	5.7	8.3
12	0	0	6	5.4	8.6
13	0	0	5.8	5.5	8
14	0	0	6	5.5	2.9
15	0	0	6	7	0
16	0	4.1	6	7.8	0
17	0	9.2	4.7	8	0
18	0	8.9	5.3	7.5	0
19	0	9.2	6.7	5.5	0
20	0	8.5	8.1	5.2	0
21	0	6.4	8	8.8	0
22	0	6.2	6.3	8.2	0
23	0	6	5.5	6.9	0
24	0	5.6	4.7	6.6	0
25	0	5.4	5.5	5.8	0
26	0	5.5	5.4	6	0
27	0	5.3	5.1	6.6	0
28	0	5.5	5.5	6.6	0
29	0	5.8	5.3	6.5	0
30	0	6.1	4.8	4.4	0
31	0	---	4.2	4.6	---
Total	0	97.7	176.5	182	99.7
Mean	0	3.3	5.7	5.9	3.3
Max.	0	9.2	8.1	8.8	8.6
Min.	0	0	4.2	4.1	0
A.F.	0	194	350	361	198
Total 5 Months	---	---	1100	A.F.	---

Appropriations: D-828, A-1397

LISCO CANAL from North Platte River - 1988
 Gage Location: NW1/4NW1/4 Sec. 24-18-47 W. near Lisco
 Measuring Device: Stage recorder and weir
 Period of Record: 1918 - 1927, 1929 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	49	54	40	24
2	0	0	55	49	36	21
3	0	0	52	49	35	16
4	0	0	48	47	34	14
5	0	0	50	37	34	12
6	0	0	47	36	35	13
7	0	0.15	50	40	35	13
8	0	7.8	58	45	35	12
9	0	15	50	45	36	9.6
10	0	15	62	46	37	8.6
11	0	15	53	47	39	8.4
12	0	15	54	46	42	35
13	0	16	50	41	42	32
14	0	27	52	40	43	33
15	0	31	46	42	45	33
16	0	33	46	43	39	34
17	0	33	47	42	23	36
18	0	30	47	40	25	37
19	0	28	53	40	23	38
20	0	26	63	43	20	31
21	0	23	58	41	22	31
22	0	20	55	39	21	31
23	0	28	51	41	21	30
24	0	43	52	41	18	27
25	0	40	52	44	17	26
26	0	41	50	45	18	29
27	0	48	46	38	19	10
28	0	58	50	38	19	0
29	0	50	51	38	27	0
30	0	40	49	40	28	0
31	0	--	51	41	--	0
Total	0	682.95	1597	1318	908	644.6
Mean	0	23	52	43	30	21
Max.	0	58	63	54	45	38
Min.	0	0	46	36	17	0
A.F.	0	1350	3170	2610	1800	1280
Total 6 Months	---	---	10210	A.F.	---	---

Appropriations: D-78/R, D-856, A-265R, A-991, A-4658, A-5572

CEDAR CREEK near Broadwater - 1988
 Gage Location: SE1/4NE1/4 Sec. 11-18-48 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1962, 1965 - 1988

Date	May	June	July	Aug.	Sept.
1	9.7	41	0.3	0	17
2	16	36	0.2	0	15
3	13	37	0	0	16
4	11	47	0	0.5	16
5	9	50	0	0.6	19
6	9	53	0	0	22
7	9.5	48	0	0	22
8	9.7	43	0	0	25
9	9.9	33	0	0.1	25
10	9.9	29	0	0.5	26
11	9.1	22	0	0.7	26
12	9.5	16	0	0.7	26
13	8.6	30	0	0.8	28
14	8.6	49	0	0.9	25
15	8.6	26	0	1	30
16	8.6	23	0	1.5	31
17	8.6	23	0	0.7	29
18	8.4	22	0	0.9	27
19	53	21	2	0.9	29
20	70	6.6	0.4	1.1	31
21	60	4.6	0.2	1.6	30
22	47	3.1	0	2	30
23	34	2.2	0	5.2	28
24	33	1.8	0	6.9	28
25	23	1.5	0	7.2	27
26	49	1.1	0	7.6	27
27	46	0.8	0	7.8	23
28	38	0.4	0	9.4	23
29	31	0.3	0	11	27
30	34	0.3	0	13	31
31	36	---	0	15	---
Total	730.7	671.7	3.1	97.6	759
Mean	23.6	22.4	0.1	2.7	25.3
Max.	70	53	2	15	31
Min.	8.4	0.3	0	0	15
A.F.	1450	1330	6	194	1500
TOTAL 5 MONTHS	---	---	4480	A.F.	---

Appropriations: D-796

LISCO CANAL from Cold Water Creek - 1988
 Gage Location: NW1/4SW1/4 Sec. 26-18-46 W. near Lisco
 Measuring Device: Stage observation
 Period of Record: 1937 - 1944, 1947 - 1950, 1981, 1985 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	3	3	3	4
2	0	0	3	3	3	4
3	0	0	3	3	3	4
4	0	0	3	3	3	4
5	0	0	3	3	3	4
6	0	0	3	3	3	4
7	0	0	3	3	3	4
8	0	0	3	3	3	4
9	0	0	3	3	3	4
10	0	0	3	3	3	4
11	0	0	4	3	3	4
12	0	0	4	3	3	4
13	0	0	4	3	3	4
14	0	0	4	3	3	4
15	0	0	4	3	3	4
16	0	0	4	3	3	4
17	0	0	4	3	3	4
18	0	0	4	3	3	4
19	0	0	4	3	3	4
20	0	1	4	3	3	4
21	0	1	4	3	3	4
22	0	1	3	3	3	4
23	0	1	3	3	3	4
24	0	1	3	3	3	4
25	0	2	3	3	3	4
26	0	2	3	3	3	4
27	0	2	3	3	3	4
28	0	2	3	3	3	4
29	0	2	3	3	3	4
30	0	2	3	3	3	4
31	0	--	3	3	--	0
Total	0	17	104	93	108	70
Mean	0	0.6	3.4	3	3.6	2.3
Max.	0	2	4	3	4	4
Min.	0	0	3	3	3	0
A.F.	0	34	206	184	214	139
Total 6 Months	---	---	777	A.F.	---	---

Appropriations: D-796

NORTH PLATTE RIVER BASIN

COLD WATER CREEK near Lisco - 1988
 Gage Location: NE1/4NE1/4 Sec. 34-18-46 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1942, 1953 - 1957,
 1960 - 1988

Date	May	June	July	Aug.	Sept.
1	3.9	3.7	0.42	0	0.08
2	3.9	3.5	0.42	0	0.08
3	5.1	3.7	0.42	0.05	0.06
4	3.6	3.7	0.28	0.05	0.06
5	3.6	3.6	0.12	0.06	0.06
6	3.5	3.5	0.12	0.06	0.06
7	3.4	3.7	0.09	0.12	0.06
8	3.2	3.5	0.09	0.22	0.06
9	3.2	3.5	0.51	0.06	0.06
10	3.1	3.5	0.46	0.08	0.05
11	3.4	3.5	0.46	0.08	0.05
12	3.2	3.5	0.38	0.05	0.05
13	3.2	3.7	0.09	0.05	0.05
14	3.2	3.6	0.34	0.06	0.05
15	3.1	3.4	0.28	0.06	0.05
16	2.9	3.4	0.12	0.06	0.05
17	3.4	3.4	0.05	0.06	0.05
18	2.9	3.4	0.22	0.06	0.05
19	4	3.4	0.22	0.06	0.05
20	6.1	3.4	0.22	0.06	0.05
21	4	3.4	0.06	0.06	0.06
22	4	3.4	0.04	0.06	0.06
23	3.9	2.6	0.06	0.06	0.06
24	3.9	3.5	0.34	0.08	0.06
25	3.9	3.5	0.06	0.08	0.06
26	3.9	3.6	0.04	0.08	0.06
27	3.6	3.6	0	0.08	0.06
28	3.7	3.6	0	0.08	0.06
29	3.9	0.38	0	0.08	0.06
30	3.9	0.38	0	0.08	0.06
31	3.7	---	0	0.08	---
Total	114.3	98.56	5.91	2.12	1.73
Mean	3.7	3.3	0.2	0.1	0.1
Max.	6.1	3.7	0.51	0.22	0.08
Min.	2.9	0.38	0	0	0.05
A.F.	227	195	12	4	3
Total 5 Months	---	---	441	A.F.	---

Appropriations: D-800, A-515, A-1738

MIDLAND OVERLAND CANAL from North Platte River - 1988
 Gage Location: NE1/4SE1/4 Sec. 2-18-46 W.
 near Oshkosh
 Measuring Device: Stage recorder and 4 ft. Parshall flume
 Period of Record: 1924 - 1988

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	1.1	0	16	9.6	8.7	5.2
2	0	3.7	0	8.4	18	8.7	4
3	0	4.2	0	12	20	8.1	1.4
4	0	2.1	0	10	22	8.2	0
5	0	0.76	0	8.9	19	8.7	0
6	0	0.65	0	8.9	12	5.1	0
7	0	0.67	0	14	12	3.4	0
8	0	0.74	0.03	10	13	4.2	0
9	0	1	0.11	4	15	1.8	0
10	0	1.1	0.23	2	12	1.3	0
11	0	1.1	1.3	6.4	5.6	1.2	0
12	0	0.81	2.2	10	3	0.99	0
13	0	0.48	2.6	11	2.2	3.5	0
14	0	0.32	7.6	10	2.9	5.7	0
15	0	0.03	8.8	14	3	3.1	0
16	0	0	7.8	14	2.9	3.7	0
17	0	0	9.8	13	5	5	0
18	0	0	10	12	4.9	5.9	0
19	0	0	15	14	7.3	6.8	0
20	0	0.27	16	19	8.4	3.8	0
21	0	1.3	15	17	15	1.8	0
22	0	1.1	21	3.9	14	1.5	0
23	0	0.34	21	2.2	20	1.2	0
24	0	0.23	16	1.8	23	0.86	0
25	0	0.03	19	8.8	17	0.54	0
26	0	0	19	15	12	1.4	0
27	0	0	17	12	12	2	0
28	0	0	18	18	12	3	0
29	0	0	22	19	11	4.1	0
30	0.1	0	21	13	11	5.3	0
31	---	0	---	13	8.4	---	0
Total	0.1	22.03	270.47	341.3	351.2	119.59	10.6
MEAN	0	.71	9.0	11	11	3.9	.36
Max.	0.1	4.2	22	19	23	8.7	5.2
Min.	0	0	0	1.8	2.2	0.54	0
A.F.	2	44	536	677	697	237	21
TOTAL 7 MONTHS	---	---	2210	A.F.	---	---	---

Appropriations: D-789, D-799, D-800(A-1742 O.D.)

PAISLEY CANAL from Blue Creek - 1988
 Gage Location: SE1/4NW1/4 Sec. 6-16-42 W.
 near Lewellen
 Measuring Device: Stage recorder and 4 ft. Parshall flume
 Period of Record: 1917 - 1919, 1921, 1923, 1925 - 1927,
 1931 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	0	5	14	17
2	0	0	1.7	5.1	14	16
3	0	0	4.5	9.1	14	16
4	0	0	4.9	12	14	17
5	0	0	4.7	11	14	13
6	0	0	4.4	11	14	0
7	0	0	5.7	12	14	0
8	0	0	8.9	12	14	0
9	0	0	15	13	14	0
10	0	0	13	11	15	0
11	0	0	13	7.7	15	0
12	0	0	13	7.3	17	0
13	0	0	13	9.5	17	0
14	0	0	8.3	14	18	0
15	0	11	4.2	12	21	0
16	0	16	3.9	12	19	0
17	0	17	6.5	15	16	0
18	0	18	11	15	16	0
19	0	18	17	15	14	0
20	0	15	16	15	14	0
21	0	13	15	12	19	0
22	0	5	15	12	20	0
23	0	3.2	6.9	12	20	0
24	0	0	5	13	19	0
25	0	0.39	4.9	13	20	0
26	0	0.81	6	14	19	0
27	0	0.35	5.9	14	19	0
28	0	0.01	5	14	20	0
29	0	0	5.4	13	19	0
30	0	0	6.1	14	17	0
31	0	---	5.8	13	---	0
Total	0	117.76	249.7	367.7	500	79
MEAN	0	3.9	8.1	12	17	2.5
Max.	0	18	17	15	21	17
Min.	0	0	0	5	14	0
A.F.	0	254	495	729	992	157
Total 6 Months	---	---	2610	A.F.	---	---

Appropriations: D-800, A-515, A-1738

BLUE CREEK CANAL from Blue Creek & Crescent Lake - 1988
 Gage Location: SW1/4NE1/4 Sec. 6-16-42 W.
 near Lewellen
 Measuring Device: Stage recorder and 8 ft. Parshall flume
 Period of Record: 1917 - 1919, 1921 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	38	35	36	7.8
2	0	0	37	35	37	7.9
3	0	0	36	36	36	8.7
4	0	0	35	37	36	9.2
5	0	0	33	38	36	11
6	0	0	34	36	36	5.8
7	0	0	43	35	29	0
8	0	0	40	35	35	0
9	0	0	40	37	35	0
10	0	0	40	40	35	0
11	0	0	36	39	35	0
12	0	0	33	37	37	0
13	0	0	32	42	37	0
14	0	0	34	41	39	0
15	0	0	37	34	42	0
16	0	25	37	33	36	0
17	0	26	42	37	34	0
18	0	28	42	37	32	0
19	0	30	37	38	27	0
20	0	33	40	38	28	0
21	0	38	38	38	28	0
22	0	38	36	38	24	0
23	0	36	36	38	28	0
24	0	34	36	38	26	0
25	0	35	36	40	21	0
26	0	39	36	43	21	0
27	0	41	31	37	21	0
28	0	39	36	37	22	0
29	0	38	37	37	19	0
30	0	39	37	37	7.3	0
31	0	---	37	36	---	0
Total	0	519	1142	1159	915.3	50.4
Mean	0	17	37	37	31	2
Max.	0	41	43	43	42	11
Min.	0	0	31	33	7.3	0
A.F.	0	1030	2270	2500	1820	100
Total 6 Months	---	---	7520	A.F.	---	---

Appropriations: D-785, D-795, A-1154

NORTH PLATTE RIVER BASIN

HOOPER CANAL from Blue Creek - 1988
 Gage Location: SE1/4SW1/4 Sec. 6-16-42 W.
 near Lewellen
 Measuring Device: Stage recorder and 3 ft. Parshall flume
 Period of Record: 1917 - 1919, 1921 - 1923,
 1925 - 1927, 1931 - 1988

UNION CANAL from Blue Creek - 1988
 Gage Location: NE1/4SW1/4 Sec. 18-16-42 W.
 near Lewellen
 Measuring Device: Stage recorder and 3 ft. Parshall flume
 Period of Record: 1917 - 1919, 1921 - 1927,
 1930 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	11	12	12	10
2	0	0	12	12	11	8
3	0	0	11	10	8	0.07
4	0	0	10	11	8	0
5	0	0	10	12	7	0.34
6	0	0	11	6	2.8	2.5
7	0	0	13	0	6	0
8	0	0	6	8	1.9	0
9	0	0	12	11	4.8	0
10	0	0	13	11	4	0
11	0	0	10	14	4	0
12	0	0	11	10	2	0
13	0	0	12	0	0	0
14	0	0	12	0	0	0
15	0	0	12	0	0	0
16	0	0	10	0	0	0
17	0	5.7	12	0.95	0	0
18	0	6.5	10	6	0	0
19	0	11	5	9	0	0
20	0	10	9	8	0	0
21	0	10	10	6	0	0
22	0	5	11	4	7	0
23	0	14	11	5	14	0
24	0	14	13	4	14	0
25	0	13	13	5	17	0
26	0	13	13	7	17	0
27	0	13	13	15	16	0
28	0	13	9	14	16	0
29	0	13	10	14	13	0
30	0	14	12	14	13	0
31	0	---	11	13	---	0
Total	0	155.2	338	241.95	198.5	20.91
MEAN	0	5.2	11	7.8	6.6	0.67
Max.	0	14	13	15	17	10
Min.	0	0	5	0	0	0
A.F.	0	308	670	480	394	41
Total 6 Months	----		1890	A.F.		

Appropriations: D-781(Pet.410)

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	16	15	12	5.3
2	0	0	15	13	7.3	4
3	0	0	15	11	7.5	0
4	0	0	15	7.2	16	0
5	0	0	15	6.7	16	0
6	0	0	15	7.5	17	0
7	0	0	6.9	8	17	0
8	0	0	6.7	12	6.2	0
9	0	0	5.9	15	4.6	0
10	0	0	6.1	16	4.7	0
11	0	0	10	15	4.6	0
12	0	0	14	11	5.1	0
13	0	0	14	0	5.5	0
14	0	0	14	0	5.6	0
15	0	0	15	0	9.2	0
16	0	0	15	0.45	12	0
17	0	0	15	4.7	12	0
18	0	0	5.8	8.2	12	0
19	0	5.8	0	12	13	0
20	0	9	0	7.7	13	0
21	0	9.9	0	5.5	12	0
22	0	13	0	6	4.5	0
23	0	14	9.8	13	0	0
24	0	15	15	11	0	0
25	0	15	16	13	0	0
26	0	15	15	12	0	0
27	0	15	15	12	0	0
28	0	15	15	13	6.5	0
29	0	16	16	9.4	7.6	0
30	0	16	16	12	3.3	0
31	0	---	14	11	---	0
Total	0	158.7	351.2	286.35	234.2	9.3
MEAN	0	5.3	11	9.2	7.8	0.30
Max.	0	16	16	16	17	5.3
Min.	0	0	0	0	0	0
A.F.	0	315	697	568	465	18
Total 6 Months	----		2060	A.F.		

Appropriations: D-763

GRAF CANAL from Blue Creek - 1988
 Gage Location: SW1/4SE1/4 Sec. 19-16-42 W.
 near Lewellen
 Measuring Device: Stage recorder and 3 ft. Parshall flume
 Period of Record: 1917 - 1919, 1921 - 1925, 1927,
 1930 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	16	15	6	6.9
2	0	0	15	12	20	3.9
3	0	0	14	13	11	1.9
4	0	0	14	14	4.9	1.8
5	0	0	11	13	5.4	1.6
6	0	0	11	11	7.3	1.7
7	0	0	19	12	9.4	1.7
8	0	0	18	11	13	8.2
9	0	0	13	8.8	13	1.9
10	0	0	13	9.7	13	1.9
11	0	0	9.8	11	13	1.6
12	0	0	6.7	13	13	1.4
13	0	0	6	14	13	1
14	0	0	7.6	12	13	0.75
15	0	0	10	12	12	0.5
16	0	7.6	11	11	7.8	0.33
17	0	6	13	13	7.8	0.26
18	0	8.7	13	12	7.6	0.19
19	0	7	12	8.8	7.9	0.23
20	0	6.5	12	10	6.2	0
21	0	3	12	14	1.4	0
22	0	3.9	11	15	1.3	0
23	0	7.6	11	13	1.2	0
24	0	15	10	12	1.2	0
25	0	14	9.4	11	1.2	0
26	0	13	10	5.8	1.2	0
27	0	11	11	4.9	1.2	0
28	0	6.4	12	5.6	9.1	0
29	0	9.4	10	8.4	16	0
30	0	14	10	6.1	12	0
31	0	---	12	8.1	---	0
Total	0	131.1	363.5	338.2	250.1	37.76
MEAN	0	4.4	12	11	8.3	1.2
Max.	0	14	19	15	20	8.2
Min.	0	0	6	4.9	1.2	0
A.F.	0	260	721	671	496	75
Total 6 Months	----		2220	A.F.		

Appropriations: D-763R, D-788, D-788R

NORTH PLATTE RIVER BASIN

KEITH-LINCOLN COUNTY CANAL from North Platte River - 1988
 Gage Location: NE1/4SE1/4 Sec. 18-14-36 W.
 near Paxton
 Measuring Device: Stage recorder and 10 ft. Parshall flume
 Period of Record: 1918 - 1988

Date	Apr.	May	June	July	Aug.	Sept.
1	0	0	30	97	83	66
2	0	0	30	92	82	63
3	0	11	30	88	80	58
4	0	27	29	90	81	57
5	0	21	29	94	86	66
6	0	14	29	93	83	71
7	0	15	29	86	79	71
8	0	7.2	29	67	82	59
9	0	16	33	9.3	82	50
10	0	54	3.4	50	87	49
11	0	48	2.5	78	87	48
12	0	31	1.6	75	66	46
13	0	31	0.47	82	30	47
14	0	30	16	93	81	46
15	0	30	55	91	80	46
16	0	31	60	88	80	45
17	0	31	77	86	79	44
18	0	31	77	86	76	44
19	0	31	77	44	71	21
20	0	31	75	72	70	0
21	0	30	76	73	64	0
22	0	29	92	73	68	0
23	0	29	102	81	67	0
24	0	29	101	93	65	0
25	0	29	101	92	65	0
26	9.6	27	100	90	70	0
27	21	25	99	88	68	0
28	3.6	23	98	86	67	0
29	1.3	23	94	84	67	0
30	0	23	62	83	68	0
31	--	26	--	83	67	--
Total	35.5	783.2	1637.9	2487.3	2281	997
Mean	1	25	55	80	74	33
Max.	21	54	102	97	87	71
Min.	0	0	0.47	9.3	30	0
A.F.	70	1550	3250	4930	4520	1980
Total 6 Months	---- 16300 A.F.					

Appropriations: D-722

SHERIDAN - WILSON CANAL from Sarben Slough - 1988
 Gage Location: SE1/4SW1/4 Sec. 21-14-35 W.
 near Paxton
 Measuring Device: Stage observation
 Period of Record: 1937 - 1943, 1945 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	3	7	7	5
2	0	0	4	7	7	5
3	0	0	5	7	7	5
4	0	0	6	7	7	4
5	0	0	7	6	7	4
6	0	0	7	6	7	4
7	0	0	7	6	7	3
8	0	0	7	6	7	3
9	0	0	7	6	7	2
10	0	0	7	6	7	2
11	0	0	7	7	7	1
12	0	0	7	7	7	1
13	0	0	7	8	7	0
14	0	0	7	8	7	0
15	0	0	7	8	7	0
16	0	0	8	8	7	0
17	0	0	8	8	7	0
18	0	0	8	8	7	0
19	0	0	8	8	7	0
20	0	0	8	9	6	0
21	0	0	8	9	6	0
22	0	0	8	9	6	0
23	0	0	8	9	6	0
24	0	0	8	9	6	0
25	0	0	8	8	6	0
26	0	0	8	8	6	0
27	0	0	8	7	5	0
28	0	0	8	7	5	0
29	0	0	8	7	5	0
30	0	0	8	7	5	0
31	0	---	7	7	---	0
Total	0	0	222	230	195	39
Mean	0	0	7	7	7	1
Max.	0	0	8	9	7	5
Min.	0	0	0	6	5	0
A.F.	0	0	440	456	387	77
TOTAL 6 MONTHS	---- 1360 A.F.					

Appropriations: D-710

NORTH PLATTE CANAL from North Platte River - 1988
 Gage Location: SE1/4NE1/4 Sec. 18-14-33 W.
 near Sutherland
 Measuring Device: Stage recorder and 15 ft. Parshall flume
 Period of Record: 1918 - 1988

Date	Apr.	May	June	July	Aug.	Sept.
1	0	55	102	297	279	184
2	0	63	102	295	241	186
3	0	70	105	282	229	182
4	0	49	111	275	208	178
5	0	35	111	305	191	179
6	0	28	111	349	198	175
7	0	71	109	350	202	156
8	0	73	112	325	196	128
9	0	87	116	254	208	114
10	0	82	79	225	202	110
11	0	74	3.9	230	185	109
12	0	82	42	212	183	110
13	0	95	132	191	156	111
14	0	94	159	223	148	99
15	0	42	165	251	169	78
16	0	69	183	245	180	77
17	0	107	185	273	194	75
18	0	133	197	298	173	73
19	0	151	237	159	157	34
20	0	125	303	91	166	0
21	0	99	346	80	181	0
22	0	93	344	82	196	0
23	0	90	338	157	201	0
24	0	86	350	181	218	0
25	6.3	82	347	222	219	0
26	6.1	79	350	278	213	0
27	72	85	352	329	198	0
28	75	94	352	341	185	0
29	62	95	340	332	186	0
30	60	94	330	330	177	0
31	--	97	--	320	174	--
Total	281.4	2579	6113.9	7782	6013	2358
Mean	9	83	204	251	194	79
Max.	75	151	352	350	279	186
Min.	0	28	3.9	80	148	0
A.F.	568	5120	12130	15440	11930	4880
Total 6 Months	---- 69860 A.F.					

Appropriations: D-635

PAXTON-HERSHEY CANAL from North Platte River - 1988
 Gage Location: SE1/4SE1/4 Sec. 7-14-33 W.
 near Sutherland
 Measuring Device: Stage recorder and 10 ft. Parshall flume
 Period of Record: 1916, 1918 - 1988

Date	April	May	June	July	Aug.	Sept.
1	0	0	50	108	106	73
2	0	0	56	108	102	81
3	0	0	47	108	102	57
4	0	9.9	45	108	103	57
5	0	12	39	107	103	66
6	0	2.8	33	108	104	49
7	0	1.9	30	124	104	64
8	0	28	40	114	101	56
9	0	31	52	104	106	48
10	0	25	48	75	107	43
11	0	35	39	88	96	44
12	0	23	28	103	102	50
13	0	25	30	99	105	46
14	0	13	49	100	80	36
15	0	7	49	106	86	72
16	0	35	54	101	111	45
17	0	46	53	106	108	30
18	0	42	62	105	103	30
19	0	52	67	89	96	38
20	0	51	104	52	88	28
21	0	31	122	42	86	22
22	0	20	123	44	82	9.7
23	0	26	127	63	83	15
24	0	23	127	70	85	22
25	0	11	129	94	95	21
26	0	0.04	120	104	89	20
27	0	3	114	118	88	19
28	0	37	111	121	87	29
29	3	39	113	111	86	20
30	2.2	38	111	106	78	0
31	---	40	---	105	72	---
Total	5.2	724.74	2172	2991	2944	1190.7
Mean	0	23	72	96	95	40
Max.	3	52	129	124	111	81
Min.	0	0	28	42	72	0
A.F.	10	1440	4310	5930	5840	2360
Total 6 Months	---- 19890 A.F.					

Appropriations: D-653

NORTH PLATTE RIVER BASIN

BIRDWOOD CANAL from Birdwood Creek - 1988
 Gage Location: SE1/4SW1/4 Sec. 35-15-33 W.
 near Hershey
 Measuring Device: Stage recorder and 8 ft. Parshall flume
 Period of Record: 1921 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	24	27	19	15
2	0	0	21	28	20	12
3	0	0	21	29	20	13
4	0	0	16	33	18	13
5	0	0	12	32	18	12
6	0	0	11	30	19	12
7	0	0	16	25	19	13
8	0	0	28	22	19	13
9	0	0	23	23	19	13
10	0	0	7.6	23	19	12
11	0	0	12	18	19	13
12	0	0	15	16	18	12
13	0	13	19	10	13	12
14	0	21	26	0.45	13	12
15	0	20	27	1.6	16	12
16	0	21	28	19	13	11
17	0	22	28	20	11	9.9
18	0	23	30	24	12	5.6
19	0	23	18	24	16	0
20	0	23	12	23	12	0
21	0	22	11	17	12	0
22	0	22	11	14	12	0
23	0	24	11	13	11	0
24	0	27	12	13	11	0
25	0	29	19	14	12	0
26	0	30	26	14	12	0
27	0	31	24	14	12	0
28	0	31	23	15	16	0
29	0	32	33	16	13	0
30	0	30	29	18	12	0
31	0	--	27	18	--	0
Total	0	444	620.8	594.05	456	213.5
MEAN	0	15	20	19	15	6.9
Max.	0	32	33	33	20	13
Min.	0	0	7.8	0.45	11	0
A.F.	0	881	1230	1180	904	423
TOTAL 6 MONTHS	----	----	4620	A.F.	----	----

Appropriations: D-646

SUBURBAN CANAL from North Platte River - 1988
 Gage Location: SE1/4SE1/4 Sec. 7-14-32 W.
 near Hershey
 Measuring Device: Stage recorder and 12 ft. Parshall flume
 Period of Record: 1919, 1921 - 1988

Date	May	June	July	Aug.	Sept.
1	0	54	119	111	61
2	0.78	60	113	104	57
3	2	53	114	106	60
4	2	49	111	100	61
5	1.8	52	113	84	57
6	0.05	50	107	78	50
7	0	49	101	78	43
8	0	50	87	66	42
9	0	50	95	62	51
10	0	54	81	64	58
11	8.9	59	73	70	58
12	52	61	86	72	57
13	61	60	84	67	54
14	55	72	83	17	32
15	30	70	86	39	3.1
16	5	59	95	75	2.6
17	7.1	67	105	83	1.9
18	51	74	103	89	1.7
19	62	85	88	84	2.4
20	71	84	26	80	0.76
21	66	87	5.2	76	0
22	51	90	4.4	75	0
23	48	98	3.2	76	0
24	42	124	36	86	0
25	31	128	85	107	0
26	38	132	97	106	0
27	51	129	108	99	0
28	51	132	117	87	0
29	51	128	120	76	0
30	50	134	119	68	0
31	51	---	117	61	---
Total	939.63	2394	2681.8	2466	753.46
Mean	30	80	87	79	25
Max.	71	134	120	111	61
Min.	0	49	3.2	17	0
A.F.	1860	4750	5320	4850	1490
Total 5 Months	----	----	18270	A.F.	----

Appropriations: D-662

CODY-DILLON CANAL from North Platte River - 1988
 Gage Location: SE1/4NE1/4 Sec. 9-14-31 W.
 near North Platte
 Measuring Device: Stage recorder and concrete control
 Period of Record: 1919, 1921 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	11	42	19
2	0	0	4.6	49	22
3	0	0.24	11	45	22
4	0	1	15	19	8.3
5	0	0.88	11	16	6.4
6	0	1.5	8	12	3.8
7	0	2.3	19	14	1.2
8	0	0.71	33	20	6.2
9	0	0.45	36	25	4.3
10	0	0.31	12	30	5
11	0	0.26	6.2	29	5.3
12	0	0.83	11	28	5.4
13	0	0	6.7	28	6.6
14	0	0.95	8.5	12	6.9
15	0	10	10	11	6.3
16	0	15	9.2	16	9.5
17	0	20	7.8	16	4.8
18	0	18	8.3	18	3.5
19	0	6.6	19	25	3.4
20	0	17	16	23	1.6
21	0	21	4	19	0.63
22	0	33	0.84	18	0.39
23	0	42	4.2	14	0.36
24	0	45	11	9.3	0.53
25	0	45	11	12	0.28
26	0	46	9.2	13	0
27	0	48	9.4	15	0
28	0	50	6.8	16	0
29	0	42	19	13	0
30	0	24	35	17	0
31	0	---	40	16	---
Total	0	491.23	413.74	632.3	153.69
MEAN	0	16	13	20	5.1
Max.	0	50	40	49	22
Min.	0	0	0.84	9.3	0
A.F.	0	974	821	1250	305
TOTAL 5 MONTHS	----	----	3350	A.F.	----

Appropriations: D-649

SOUTH PLATTE RIVER BASIN

OLIVER RESERVOIR on Lodgepole Creek - 1988
 Gage Location: SE1/4SW1/4 Sec. 36-15-57 W. near Kimball
 Measuring Device: Stage observation
 Period of Record: 1977 - 1988

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	4810.0	4690
Top of conservation pool	4804.0	2680
Top of dead storage pool	4784.0	50

Date	Contents (acre-feet)
December 9, 1987	2665
February 4, 1988	2712
February 25, 1988	2717
March 25, 1988	2763
April 25, 1988	2751
June 1, 1988	2734
June 15, 1988	2678
June 29, 1988	2647
July 18, 1988	2528
August 10, 1988	2497
August 30, 1988	2371
September 12, 1988	2284
September 28, 1988	2237
October 12, 1988	2239
November 3, 1988	2284
December 12, 1988	2436
December 31, 1988	2510

Appropriations: A-15524

LODGEPOLE CREEK BELOW OLIVER RESERVOIR near Kimball - 1988
 Gage Location: SE1/4SW1/4 Sec. 36-15-57 W.
 Measuring Device: Stage recorder
 Period of Record: 1981 - 1988

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1988, 20 cubic feet per second at 2110 on March 23, 1988 at gage height of 1.41 feet.
 Minimum daily discharge, 0.25 cubic feet per second on July 13 and 27, 1988.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3	3.7	8.1	12	11	5.7	0.36	0.38	0.46	0.44	0.48	0.39
2	3	3.8	10	11	11	4.7	0.38	0.35	0.48	0.42	0.51	0.36
3	2.9	3.8	10	12	9.2	4.2	0.36	0.36	0.46	0.42	0.54	0.35
4	2.8	3.8	9.6	11	8.5	3.8	0.32	0.39	0.42	0.42	0.54	0.36
5	2.7	3.9	10	11	8.3	3.1	0.33	0.36	0.38	0.48	0.54	0.36
6	2.8	3.9	9.9	9.5	8.9	2.9	0.3	0.41	0.36	0.48	0.55	0.38
7	2.8	4	10	9.2	8.7	2.8	0.3	0.44	0.37	0.48	0.55	0.42
8	2.6	4	9.7	9.5	8	2.4	0.34	0.42	0.42	0.48	0.54	0.39
9	2.8	4.1	9	7.3	5.7	1.8	0.26	0.42	0.66	0.48	0.6	0.39
10	2.6	4.2	10	7.2	5.6	1.5	0.29	0.47	0.84	0.54	0.6	0.42
11	2.4	4.2	13	6.7	5.9	2.1	0.3	0.45	0.88	0.54	0.56	0.45
12	2.3	4.3	9.6	7	6	1.7	0.3	0.42	1.2	0.57	0.53	0.47
13	2.3	4.3	5.6	6.8	5.9	1.7	0.25	0.42	1.6	0.6	0.31	0.42
14	2.4	4.4	4.6	6.6	5.7	1.6	0.27	0.42	1.7	0.6	0.3	0.42
15	2.6	4.5	4.2	6.4	4.9	1.4	0.28	0.42	1.8	0.6	0.3	0.42
16	2.8	4.5	3.7	6.3	4.6	1.4	0.29	0.47	1.8	0.54	0.3	0.53
17	2.9	4.6	3.6	6.2	4.3	1.4	0.37	0.48	1.1	0.54	0.3	0.54
18	3.5	4.6	3.4	6.2	4.5	1.3	1.1	0.48	0.9	0.54	0.3	0.54
19	4.4	4.7	3.8	6.4	11	1.2	2.4	0.48	1.6	0.57	0.3	0.51
20	3	4.8	5.2	6.5	19	0.88	2	0.48	1.4	0.6	0.3	0.48
21	2.7	4.8	6.6	7.2	18	0.94	1.3	0.48	1.5	0.6	0.36	0.54
22	2.2	4.9	11	15	14	0.9	0.86	0.48	1.7	0.6	0.36	0.54
23	2	4.9	17	16	12	0.96	0.59	0.48	1.9	0.54	0.36	0.54
24	1.8	5	19	16	11	0.95	0.42	0.48	1.9	0.54	0.36	0.6
25	1.8	5.1	17	16	10	1.4	0.39	0.48	1.8	0.54	0.3	0.56
26	1.9	5.4	15	15	9.5	0.86	0.36	0.45	1.7	0.53	0.32	0.54
27	2.3	5.7	14	13	8.9	0.56	0.25	0.42	1.6	0.45	0.36	0.54
28	2.4	6.6	13	12	8.1	0.39	0.35	0.42	0.93	0.42	0.4	0.54
29	2.7	7.4	12	11	7	0.4	0.3	0.42	0.52	0.42	0.42	0.54
30	3.1	---	11	10	5.8	0.53	0.36	0.42	0.45	0.44	0.42	0.54
31	3.3	---	12	---	5.7	---	0.36	0.42	---	0.48	---	0.6
Total	82.8	133.9	300.6	296	266.7	55.47	16.34	13.47	32.83	15.9	12.61	14.68
Mean	2.67	4.62	9.70	9.87	8.60	1.85	0.53	0.43	1.09	0.51	0.42	0.47
Max.	4.4	7.4	19	16	19	5.7	2.4	0.48	1.9	0.6	0.6	0.6
Min.	1.8	3.7	3.4	6.2	4.3	0.39	0.25	0.35	0.36	0.42	0.3	0.35
A.F.	164	266	596	587	529	110	32	27	65	32	25	29

Total 12 MONTHS ---- 2460 A.F.

SOUTH PLATTE RIVER BASIN

SUTHERLAND (KORTV) CANAL from South Platte River - 1968
 Gage Location: SE1/4 Sec. 8-13-36 W.
 near Paxton
 Measuring Device: Stage recorder and 25 ft. Parshall flume
 Period of Record: 1947 - 1988

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	242	532	870	648	251	845	0	0	0	66	62	70
2	116	463	910	664	157	958	0	0	0	66	66	115
3	631	436	954	721	127	1070	0	0	0	66	66	160
4	695	486	995	801	115	1110	0	0	0	66	71	165
5	682	508	1010	822	118	1100	0	0	0	66	76	170
6	692	514	1020	836	137	992	0	0	0	66	76	185
7	527	508	1020	897	162	899	0	0	0	66	76	150
8	467	537	1020	923	162	811	0	0	0	66	77	185
9	575	510	986	900	164	679	0	0	0	66	78	180
10	633	500	924	857	193	613	0	0	0	66	79	130
11	640	491	858	834	226	518	0	0	0	50	79	140
12	606	382	511	739	228	449	0	0	0.22	41	79	245
13	709	445	535	722	258	410	0	0	0.12	41	79	240
14	734	497	574	635	259	382	0	0	0.38	103	67	300
15	655	542	633	509	235	384	0	0	0.17	195	66	280
16	514	573	629	495	214	488	0	0	0	186	56	197
17	379	590	610	402	206	518	0	0	0	141	66	182
18	496	613	614	321	202	523	0	0	0	86	75	212
19	626	628	712	293	212	524	0	0	0	86	70	282
20	698	630	702	286	278	512	0	0	0	77	67	272
21	136	626	722	241	398	435	0	0	0	69	68	307
22	181	621	706	267	457	311	0	0	0	68	70	347
23	205	616	652	261	777	222	0	0	9.9	65	72	363
24	206	640	622	248	985	205	0	0	19	64	73	430
25	247	652	680	318	1050	99	0	0	19	64	73	429
26	330	724	657	338	1060	43	0	0	20	54	81	431
27	477	753	645	325	1050	0	0	0	23	47	72	393
28	589	769	641	364	1060	0	0	0	62	47	51	335
29	626	823	618	407	1060	0	0	0	66	48	68	265
30	688	---	597	318	1020	0	0	0	66	48	70	205
31	672	---	642	---	874	---	0	0	---	51	---	179
Total	15674	16609	25269	16392	13695	15100	0	0	285.79	2291	2129	7544
Mean	506	573	751	546	442	503	0	0	10	74	65	243
Max.	734	823	1020	923	1060	1110	0	0	66	195	81	431
Min.	116	382	511	241	115	0	0	0	0	41	0	70
A.F.	31090	32940	46150	32510	27160	29950	0	0	570	4540	4220	14960
Total 12 Months	--	224090	A.F.									

WESTERN CANAL from South Platte River - 1988
 Gage Location: NE1/4SE1/4 Sec. 14-12-43 W.
 near Julesburg, CO
 Measuring Device: Stage recorder
 Period of Record: 1918 - 1988

Date	May	June	July	Aug.	Sept.	Oct.	Nov.
1	0	57	102	61	68	47	85
2	0	0	65	61	68	47	88
3	0	0	58	59	71	56	79
4	0	34	55	61	68	61	79
5	0	70	68	54	59	59	79
6	0	54	71	52	66	66	82
7	0	52	74	54	68	66	85
8	0	43	71	63	71	61	79
9	0	57	85	54	76	66	82
10	0	50	85	61	71	71	88
11	0	24	99	50	63	71	90
12	0	6	119	37	74	71	59
13	0	66	93	50	82	71	38
14	0	72	66	85	103	68	43
15	0	110	61	71	99	59	76
16	0	77	54	50	56	54	45
17	0	59	159	50	47	32	0
18	0	35	152	56	54	36	0
19	0	72	215	56	52	74	0
20	0	139	177	56	47	71	0
21	0	178	238	59	40	71	0
22	0	189	159	61	40	71	0
23	0	189	149	54	63	71	0
24	0	119	132	61	59	24	0
25	0	90	103	59	52	0	0
26	45	83	74	56	43	46	0
27	140	72	68	59	36	79	0
28	87	69	66	61	40	82	0
29	34	84	82	66	47	90	0
30	50	93	82	66	45	90	0
31	72	---	56	66	---	85	---
Total	428	2243	3135	1809	1828	1916	1177
Mean	14	75	101	58	61	62	39
Max.	140	189	238	85	103	90	90
Min.	0	0	56	37	36	0	0
A.F.	880	5450	6270	3400	3650	3800	2330
Total 12 Months		29870	A.F.				

Approved for... A 1984, A 1809, A 5759

PLATTE RIVER BASIN

JEFFREY RESERVOIR from Platte River - 1988
 Gage Location: NE1/4NE1/4 Sec. 4-11-27 W. near Brady
 Measuring Device: Stage recorder
 Period of Record: 1977 - 1988

Date	STORAGE LEVEL											ELEVATION (Feet)		CONTENT (Acra-feet)		
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Normal operating level	Top of dead storage pool	11,500	6,350
1	4562	4562	5402	4462	5072	5292	5457	5457	5402	5017	5072	5017				
2	4812	4562	5347	4512	5347	5677	5567	5457	5512	5457	5072	5072				
3	4812	5017	5237	4512	5402	5677	5567	5457	5402	5292	4962	5127				
4	4712	5072	5072	4562	5347	5402	5567	5622	5567	5182	4912	5127				
5	4612	4962	5017	4612	5347	5402	5622	5622	5402	4612	4612	5182				
6	4862	4612	4712	4562	5237	5182	5567	5567	5072	3962	4762	5127				
7	4662	4312	4312	4462	5237	5072	5677	5677	5182	2607	4662	5072				
8	4712	4462	4212	4462	5292	5402	5787	5677	5622	3724	4512	5072				
9	4662	4562	4212	4362	5237	5732	5787	5732	5787	3962	4712	5072				
10	4512	4412	4362	4212	5182	5787	5732	5677	5457	4062	4862	5127				
11	4462	3914	4312	5292	5237	5842	5732	5622	5347	3867	4912	5182				
12	4712	3534	3629	5842	5237	6007	5622	5732	5237	3249	5017	5237				
13	4612	3772	4212	5567	5182	5952	5622	5842	5402	3392	5127	5347				
14	4862	4462	3819	5457	5127	5732	5842	5842	5732	3677	5237	5457				
15	4962	4512	5512	5457	5292	5402	5787	5677	5567	3534	5237	5567				
16	4962	4562	5402	5347	5512	5292	5732	5512	5402	3202	5237	5127				
17	5017	4862	5402	5402	5512	5237	5677	5567	5347	2787	5127	4962				
18	5127	4962	5127	5292	5402	5237	5457	5622	5402	3297	5182	4862				
19	5017	5237	5017	5237	5457	5512	5292	5787	5732	3677	5182	5017				
20	4412	5677	5017	5347	5622	5457	5237	5842	5677	3724	5182	5182				
21	4512	5952	4912	5512	5732	5567	5457	5732	5457	3724	5182	5237				
22	4562	5897	4812	5732	5842	5677	5622	5622	5457	3962	5127	5292				
23	4662	5897	4712	5677	5952	5622	5787	5402	5457	4012	5127	5292				
24	4712	5897	4662	5622	5567	5622	5842	5347	5237	4462	5127	5072				
25	4662	5842	4712	5457	5787	5402	5622	5127	5182	5017	5127	4912				
26	4812	5677	4612	5182	5677	5182	5017	5182	5017	4562	5127	4712				
27	5127	5567	4462	4912	5567	5292	5127	5182	5072	4112	5127	4612				
28	4962	5457	4362	4912	5512	5237	5182	5292	5237	3629	5017	4462				
29	4762	5457	4462	5017	5457	5347	5182	5292	4962	4012	5072	4612				
30	4712	----	4562	5127	5182	5457	5567	5457	4212	4462	5017	5072				
31	4762	----	4462	----	5237	----	5512	5402	----	4762	----	5347				

Appropriations: A-2354

Values furnished by Central Nebraska Public Power and Irrigation District

JEFFREY POWER RETURN to Platte River - 1988
 Gage Location: NE1/4SE1/4 Sec. 36-12-27 W. near Brady
 Measuring Device: Stage recorder and 20 ft. Parshall flume
 Period of Record: 1941 - 1988

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	0	26	0	0	25	34	78	299	29	0	0
2	0	0	0	0	0	56	34	36	318	27	0	0
3	0	0	0	0	0	55	34	35	213	26	0	0
4	0	0	0	0	0	99	34	36	241	26	0	0
5	0	0	0	0	0	117	35	36	205	28	0	0
6	0	0	0	0	0	133	259	153	187	28	0	0
7	0	0	0	0	0	158	498	301	179	28	0	0
8	0	0	0	0	0	223	300	214	159	28	0	0
9	0	0	0	0	0	261	35	243	137	28	0	0
10	0	0	0	0	0	262	37	405	127	27	0	0
11	0	0	0	0	0	265	38	488	128	26	0	0
12	0	0	0	0	0	264	161	545	85	0	0	0
13	0	0	0	0	0	299	345	171	54	0	0	0
14	0	0	0	0	0	389	419	361	50	0	0	0
15	0	0	0	0	322	405	347	400	50	0	0	0
16	0	0	0	0	409	426	530	452	44	0	0	0
17	0	0	0	0	35	454	455	553	40	0	0	0
18	0	0	0	0	33	526	512	509	39	0	0	0
19	0	0	0	0	31	528	134	546	34	0	0	0
20	0	0	0	0	29	527	36	598	33	0	0	0
21	0	166	0	0	28	493	39	636	31	0	0	0
22	0	388	0	0	27	335	178	614	30	0	0	0
23	0	334	0	0	27	126	299	645	29	0	0	0
24	0	303	0	0	27	69	418	634	28	0	0	0
25	0	142	0	0	26	88	480	614	28	0	0	0
26	0	35	0	0	25	74	497	620	27	0	0	22
27	0	33	0	0	25	32	498	492	27	0	0	46
28	0	31	0	0	0	33	536	357	28	0	0	35
29	0	28	0	0	0	34	446	281	28	0	0	26
30	0	---	0	0	0	34	266	298	29	0	0	26
31	0	---	0	---	0	---	150	289	---	0	---	0
Total	0	1460	26	0	1044	6790	8084	11640	2907	301	0	155
Mean	0	51	1	0	34	224	261	375	97	10	0	5
Max.	0	388	26	0	409	528	536	645	318	29	0	46
Min.	0	0	0	0	0	25	34	35	27	0	0	0
A.I.	0	2900	30	0	2070	13470	16030	23090	5770	600	0	310

Total 12 Months 6,290 A.I.

BUFFALO CREEK (B-1) RESERVOIR SUPPLY CANAL from Platte River - 1988
Gage Location: SW1/4NM1/4 Sec. 9-11-22 W.
via Gothenburg Canal near Darr
Measuring Device: Stage recorder
Period of Record: 1983, 1985 - 1988

Table with columns Date, Apr., May, June, July, Aug., Sept., Oct. and summary statistics (Total, MEAN, Max., Min., A.F., TOTAL 7 MONTHS).

Appropriations: A-15683

COZAD CANAL from Platte River - 1988
Gage Location: SE1/4SW1/4 Sec. 15-11-25 W.
near Gothenburg
Measuring Device: Stage recorder and 20 ft. Parshall flume
Period of Record: 1918 - 1988

Table with columns Date, May, June, July, Aug., Sept. and summary statistics (Total, Mean, Max., Min., A.F., total 5 months).

Appropriations: B 626

SIX MILE CANAL from Platte River - 1988
Gage Location: SE1/4SE1/4 Sec. 11-11-26 W.
near Gothenburg
Measuring Device: Stage recorder and 3 ft. Parshall flume
Period of Record: 1919, 1922 - 1988

Table with columns Date, May, June, July, Aug., Sept. and summary statistics (Total, MEAN, Max., Min., A.F., Total 5 Months).

Appropriations: D680R

ORCHARD-ALFALFA CANAL from Platte River - 1988
Gage Location: SW1/4SW1/4 Sec. 10-10-24 W.
near Cozad
Measuring Device: Stage recorder and 10 ft. Parshall flume
Period of Record: 1918 - 1988

Table with columns Date, May, June, July, Aug., Sept. and summary statistics (Total, MEAN, Max., Min., A.F., total 5 months).

Appropriations: D 627

PLATTE RIVER BASIN

STREVER (SPRING) CREEK near Overton - 1988
 Gage Location: NE1/4NW1/4 Sec. 1-8-20 W.
 Measuring Device: Stage observation
 Period of Record: 1932 - 1934, 1936 - 1988

Date	May	June	July	Aug.	Sept.
1	13	21	15	106	60
2	13	20	16	101	59
3	13	19	18	96	58
4	12	19	20	91	58
5	12	18	21	88	57
6	12	18	23	85	56
7	12	17	24	81	55
8	12	17	34	78	54
9	12	16	43	75	53
10	12	15	53	72	52
11	12	14	63	69	51
12	12	13	72	65	51
13	13	12	82	62	50
14	14	11	92	59	49
15	15	10	102	56	48
16	15	9.6	111	53	48
17	16	8.6	121	49	48
18	17	7.7	131	46	48
19	18	6.8	140	47	48
20	19	5.9	150	48	48
21	20	5	160	49	48
22	21	4	155	51	48
23	21	3.1	151	52	49
24	22	4.6	145	53	49
25	23	6.1	140	54	49
26	24	7.6	136	55	49
27	23	9.1	131	56	49
28	23	10	126	58	49
29	22	12	121	59	49
30	22	14	116	60	49
31	21	---	111	61	---
Total	516	354.1	2823	2035	1539
Mean	17	11	91	66	51
Max.	24	21	160	106	60
Min.	12	0	15	46	48
A.F.	1020	700	5600	4040	3050
Total 5 Months	---	---	14410	A.F.	---

BUFFALO CREEK near Elm Creek - 1988
 Gage Location: NE1/4NE1/4 Sec. 5-8-18 W.
 Measuring Device: Stage observation
 Period of Record: 1925, 1927 - 1928, 1933 - 1988

Date	May	June	July	Aug.	Sept.
1	4.8	11	1.3	72	72
2	4.8	12	2.6	75	74
3	4.7	13	3.9	78	77
4	4.7	13	5.2	81	79
5	4.6	14	6.5	84	81
6	4.5	14	7.8	87	84
7	4.5	15	9.1	90	86
8	4.4	15	10	94	88
9	4.3	16	12	97	88
10	4.3	17	13	100	84
11	4.2	17	14	103	82
12	4.1	18	16	100	80
13	4.1	18	17	96	78
14	4	19	18	93	76
15	3.9	19	21	90	74
16	3.9	20	24	86	72
17	3.8	19	27	83	70
18	3.8	17	30	79	68
19	3.7	16	32	76	67
20	4.3	14	35	73	65
21	4.9	13	38	69	63
22	5.5	12	41	66	61
23	6.1	10	44	63	59
24	6.7	8.8	47	59	57
25	7.3	7.4	50	56	55
26	7.9	6	53	58	53
27	8.4	4.6	56	61	51
28	9	3.2	59	63	49
29	9.6	1.8	62	65	47
30	10	0	65	68	45
31	11	---	68	70	---
Total	171.8	383.8	888.4	2435	2083
MEAN	5.5	13	29	76	69
Max.	11	20	68	103	88
Min.	3.7	0	1.3	0	45
A.F.	341	761	1760	4830	4130
Total 5 Months	---	---	11820	A.F.	---

ELM CREEK near Elm Creek - 1988
 Gage Location: SE1/4NW1/4 Sec. 33-9-18 W.
 Measuring Device: Stage observation
 Period of Record: 1932 - 1960, 1962 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	0.8	13	5.2
2	0	0	1.6	13	5
3	0	0.2	2.4	14	4.8
4	0	0.5	3.2	15	4.5
5	0	0.7	4	16	4.2
6	0	1	4.7	16	4
7	0	1.2	5.5	17	3.8
8	0	1.4	6.3	18	3.5
9	0	1.7	7.1	19	3.3
10	0	1.9	7.9	19	3.2
11	0	2.2	8.7	20	3
12	0	2.4	9.5	19	2.9
13	0	2.6	10	18	2.7
14	0	2.9	11	17	2.5
15	0	3.2	11	16	2.4
16	0	3.4	11	15	2.2
17	0	3.2	11	14	2.1
18	0	2.9	11	14	1.9
19	0	2.7	11	13	1.7
20	0	2.4	10	12	1.6
21	0	2.2	10	11	1.4
22	0	2	10	9.8	1.3
23	0	1.7	10	8.8	1.1
24	0	1.5	10	7.9	0.9
25	0	1.2	10	7	0.8
26	0	1	10	6.8	0.6
27	0	0.8	9.9	6.5	0.5
28	0	0.5	9.8	6.2	0.3
29	0	0.2	10	6	0.1
30	0	0	11	5.8	0
31	0	---	12	5.5	---
Total	0	47.6	260.4	399.3	71.5
Mean	0	1.6	8.4	12.9	2.4
Max.	0	3.4	12	20	5.2
Min.	0	0	0.9	5.5	0
A.F.	0	94	516	792	142
Total 5 Months	---	---	1546	A.F.	---

PLATTE RIVER BASIN

(LOUP RIVER)

SARGENT CANAL from Middle Loup River - 1988
 Gage Location: NW1/4NE1/4 Sec. 32-21-21W.
 near Milburn
 Measuring Device: Stage recorder and 10 ft. Parshall flume
 Period of Record: 1957 - 1988

Date	June	July	Aug.	Sept.
1	0	81	218	117
2	0	82	219	112
3	0	81	223	84
4	0	89	167	74
5	0	96	122	75
6	0	159	123	75
7	0	209	130	75
8	0	201	106	77
9	0	158	92	61
10	0	144	96	50
11	0	134	99	51
12	0	129	109	51
13	8.7	133	81	51
14	73	164	43	36
15	94	204	47	0
16	94	205	56	0
17	94	223	74	0
18	95	235	102	0
19	119	215	145	0
20	176	168	183	0
21	179	157	194	0
22	218	184	216	0
23	257	187	205	0
24	266	185	209	0
25	260	205	183	0
26	255	224	164	0
27	269	224	151	0
28	260	222	144	0
29	267	228	137	0
30	170	234	123	0
31	---	224	132	---
Total	3154.7	5386	4295	989
Mean	105	174	139	33
Max.	269	235	223	117
Min.	0	81	43	0
A.F.	6260	10680	8520	1960
Total 4 Months	--	--	27420	A.F.

Appropriations: A-4841A, A-10260C, A-12433, A-12632,
 A-14992, A-15007, 15029

MIDDLE LOUP CANAL NO. 1 from Middle Loup River - 1988
 Gage Location: SW1/4NW1/4 Sec. 14-19-18 W.
 near Sargent
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1938 - 1988 *

Date	May	June	July	Aug.	Sept.
1	0	0	15	35	34
2	0	0	7.9	34	34
3	0	0	17	34	36
4	0	0	23	38	35
5	0	0	36	37	32
6	0	0	38	32	30
7	0	5.6	39	29	29
8	0	9.4	40	31	28
9	0	9.1	35	33	28
10	0	8.5	34	31	26
11	0	11	33	28	17
12	0	11	33	30	12
13	0	12	33	34	8.3
14	0	14	34	36	7.8
15	0	18	32	31	3.4
16	0	23	38	27	0
17	0	18	37	24	0
18	0	9	36	24	0
19	0	23	36	27	0
20	0	24	38	28	0
21	0	26	35	25	0
22	0	30	34	27	0
23	0	33	37	35	0
24	7.2	37	36	38	0
25	4.3	41	34	37	0
26	0	41	35	37	0
27	0	41	35	37	0
28	0	42	36	36	0
29	0	28	35	35	0
30	0	27	37	34	0
31	0	---	37	35	---
Total	11.5	541.6	1025.9	999	360.5
Mean	0	18	33	32	12
Max.	7.2	42	40	38	36
Min.	0	0	7.9	24	0
A.F.	20	1070	2030	1980	720
Total 5 Months	--	--	5820	A.F.	--

Appropriations: A-2293, A-3979A, A-3981, A-8692,
 A-8930

* Records from 1944 - 1946 are published in the
 1980 Hydrographic Report.

MIDDLE LOUP CANAL NO. 1 PUMP from Middle Loup River - 1988
 Gage Location: SEC. 19-19-17 W.
 near Sargent
 Measuring Device: Observed hours
 Period of Record: 1987 - 1988

Date	May	June	July	Aug.	Sept.
1	0	9	9	9	0
2	0	9	9	9	0
3	0	9	9	9	0
4	0	9	9	9	0
5	0	9	9	9	0
6	0	9	9	9	0
7	0	7	9	9	0
8	0	0	9	9	0
9	0	0	9	3	0
10	0	0	9	0	0
11	0	0	9	0	0
12	0	0	9	0	0
13	0	0	9	0	0
14	0	0	9	0	0
15	0	0	9	0	0
16	0	0	9	0	0
17	0	0	9	0	0
18	0	0	9	0	0
19	0	0	9	0	0
20	0	0	9	0	0
21	0	0	9	0	0
22	0	0	0	0	0
23	0	0	9	0	0
24	4	6	9	0	0
25	9	9	9	0	0
26	9	9	9	0	0
27	9	9	9	0	0
28	9	9	9	0	0
29	9	9	9	0	0
30	9	9	9	0	0
31	9	---	9	0	---
Total	67	121	270	75	0
Mean	2	4	9	2	0
Max.	9	9	9	9	0
Min.	0	0	0	0	0
A.F.	130	240	540	150	0
Total 5 Months	--	--	1060	--	--

Appropriations: A-2293, A-3979A, A-3981, A-8692,
 A-8930

MIDDLE LOUP SPILLWAY NO. 1 - 1988
 Gage Location: NE1/4SE1/4 Sec. 27-18-17W.
 near Comstock
 Measuring Device: Stage recorder and 5.8 ft. weir
 Period of Record: 1956 - 1978, 1985 - 1988

Date	May	June	July	Aug.	Sept.
1	0	4	5	5	2
2	0	4	5	5	2
3	0	4	5.9	6	2
4	0	4	8	8	2
5	0	4	7	9	2
6	0	4	6	9	2
7	0	4	1.8	11	2
8	0	4	2.5	11	1.5
9	0	4	5	11	1.5
10	0	4	7	11	1.5
11	0	5.5	7	11	1
12	0	5	7	10	1
13	0	6	7	10	1
14	0	6	6	14	1
15	0	6	6	14	1
16	0	7	6	10	1
17	0	11	5	10	1
18	0	10	5	9.1	0
19	0	10	5	8	0
20	0	11	6	1.2	0
21	0	6	5	1.2	0
22	0	6.8	5	1	0
23	0	10	5	3.3	0
24	0	12	5	3.3	0
25	1.6	13	3.3	1.2	0
26	6	14	3	2.5	0
27	5	14	3.3	2.5	0
28	4	14	3.3	2.5	0
29	4	7	3	2.5	0
30	4	2.5	3	2	0
31	4	---	3	2	---
Total	28.6	216.8	155.1	207.3	25.5
Mean	1	7	5	7	1
Max.	6	14	8	14	2
Min.	0	2.5	1.8	1	0
A.F.	60	430	310	410	50
Total 5 Months	--	--	1260	A.F.	--

PLATTE RIVER BASIN
(LOUP RIVER)

MIDDLE LOUP CANAL NO. 2 from Middle Loup River - 1988
Gage Location: NE1/4NW1/4 Sec. 14-19-18W.
near Sargent
Measuring Device: Stage recorder and concrete flume
Period of Record: 1958 - 1988 *

Date	May	June	July	Aug.	Sept.
1	0	0	42	48	27
2	0	0	21	47	27
3	0	0	28	46	26
4	0	0	22	34	22
5	0	0	39	28	22
6	0	12	43	24	22
7	0	18	42	23	20
8	0	19	43	23	20
9	0	19	22	25	19
10	0	19	20	24	19
11	0	18	20	23	19
12	0	17	20	23	18
13	0	18	24	23	19
14	0	18	28	23	19
15	0	18	42	21	7.7
16	0	18	50	21	0
17	0	17	51	22	0
18	0	18	56	22	0
19	0	19	47	23	0
20	0	23	38	31	0
21	0	27	38	35	0
22	0	34	40	39	0
23	0	41	40	40	0
24	15	51	41	37	0
25	22	56	42	40	0
26	21	60	47	43	0
27	21	61	54	40	0
28	20	62	53	30	0
29	16	66	54	29	0
30	16	57	50	30	0
31	4.9	---	49	29	---
Total	135.9	786	1206	946	306.7
Mean	4	26	39	31	10
Max.	22	66	56	48	27
Min.	0	0	20	21	0
A.F.	270	1560	2390	1880	610
Total 5 Months	--	--	6710	A.F.	

Appropriations: A-2393, A-2678BR, A-3979B, A-3981B
A-4131, A-6623, A-12842

* Records from 1944 - 1946 are published in the
1980 Hydrographic Report.

MIDDLE LOUP CANAL NO. 3 from Middle Loup River - 1988
Gage Location: NW1/4NW1/4 Sec. 6-17-16W.
near Comstock
Measuring Device: Stage recorder and concrete flume
Period of Record: 1958 - 1988 *

Date	May	June	July	Aug.	Sept.
1	0	32	98	115	74
2	0	32	91	113	60
3	0	32	88	111	56
4	0	32	92	111	55
5	0	34	89	89	53
6	0	35	105	83	54
7	0	32	113	87	52
8	0	31	118	87	48
9	0	30	102	61	42
10	0	35	63	63	35
11	0	39	63	81	34
12	0	38	58	108	34
13	0	39	58	92	35
14	0	39	94	73	35
15	0	68	108	73	34
16	0	83	106	80	33
17	29	79	107	104	32
18	52	80	110	107	29
19	41	83	111	117	30
20	36	90	101	113	30
21	35	103	96	102	30
22	34	116	98	100	30
23	39	116	94	100	29
24	37	116	95	103	30
25	32	127	108	103	30
26	32	134	118	104	29
27	30	129	123	102	26
28	30	126	120	104	21
29	32	127	118	101	21
30	33	112	114	96	11
31	32	---	111	89	---
Total	524	2169	3070	2972	1112
Mean	17	72	99	96	37
Max.	52	134	123	117	74
Min.	0	30	58	61	11
A.F.	1040	4300	6090	5890	2210
Total 5 Months	--	--	19530	A.F.	

Appropriations: A-2293CR, A-2678CR, A-3979CR, A-3981CR
A-4360, A-12179, A-13682

* Records from 1944 - 1946 are published in the
1980 Hydrographic Report.

MIDDLE LOUP SPILLWAY NO. 2 - 1988
Gage Location: SW1/4SE1/4 Sec. 11-18-17W.
near Comstock
Measuring Device: Stage recorder and 5.8 ft. weir
Period of Record: 1956 - 1978, 1985 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	14	15	6.7
2	0	0	13	14	12
3	0	0	9.8	11	16
4	0	0	13	11	14
5	0	0	11	12	13
6	0	0	14	11	13
7	0	0	11	9.1	13
8	0	6.1	12	13	12
9	0	9.3	14	13	9.8
10	0	9.3	9.9	17	9
11	0	9.8	9.6	17	9.6
12	0	8.8	11	17	10
13	0	9.5	12	15	10
14	0	9.4	11	12	10
15	0	8.5	7.6	12	9.7
16	0	4.9	8.7	14	6.9
17	0	4.9	4.2	13	1
18	0	3	5.4	4.5	0
19	0	5.2	10	0.12	0
20	0	4.2	8.3	3.9	0
21	0	6.5	9	7.1	0
22	0	4.1	6.3	6.8	0
23	0	4.6	10	7.2	0
24	0	3.1	10	4.3	0
25	0	5.3	8.3	1.5	0
26	0	4.8	6.4	2.4	0
27	10	6.8	4.7	5	0
28	13	6.3	5.9	3.3	0
29	8.9	5.7	6.6	4	0
30	5.4	8	10	4.9	0
31	3.7	---	13	6.8	---
Total	41	148.1	299.7	287.92	175.7
Mean	1	5	10	9	6
Max.	13	9.8	14	17	16
Min.	0	0	4.2	0.12	0
A.F.	80	290	590	570	350
Total 5 Months	--	--	1880	A.F.	

MIDDLE LOUP SPILLWAY NO. 3 - 1988
Gage Location: SW1/4SW1/4 Sec. 5-14-14W.
near Loup City
Measuring Device: Stage recorder and 5.8 ft. weir
Period of Record: 1956 - 1978, 1985 - 1988

Date	May	June	July	Aug.	Sept.
1	0	6.4	11	8.9	11
2	0	6.6	18	6.9	15
3	0	6.9	20	6.7	19
4	0	6.6	20	11	21
5	0	6.4	18	14	20
6	0	7.3	11	17	14
7	0	9.3	3.2	20	7
8	0	9.4	7.6	19	7
9	0	7.6	9.6	15	7
10	0	5	11	7.4	7
11	0	11	8.2	2.2	7
12	0	12	8.5	1.6	5.4
13	0	13	6.5	5.5	3
14	0	6.3	1.9	4.7	1.3
15	0	4.1	5.3	3.3	0.33
16	0	11	4.5	0.3	2.1
17	0	12	4.6	4	5.1
18	0	12	6.9	5.9	5
19	9.2	12	8.9	6.3	4.9
20	15	11	14	7.7	7
21	15	6.9	11	8.6	9.2
22	16	6.9	7.6	6.3	9
23	17	9.7	4.7	7.2	8.5
24	10	3.2	6.2	7.2	8.3
25	6.5	0.37	6.6	8.5	9.4
26	4.6	0.5	6.1	7.8	9.7
27	4.3	3.4	3.5	6.7	8
28	4.3	2.1	1.2	12	7
29	4.6	2.9	2.9	13	5
30	5	12	9	12	2
31	5.6	---	9	12	---
Total	117.1	223.87	266.5	268.7	245.23
Mean	4	7	9	9	8
Max.	17	13	20	20	21
Min.	0	0.37	1.2	0.3	0.33
A.F.	230	440	530	530	490
Total 5 Months	--	--	2220	A.F.	

PLATTE RIVER BASIN
(LOUP RIVER)

MIDDLE LOUP CANAL NO. 4 from Middle Loup River - 1988
Gage Location: SW1/4SW1/4 Sec. 31-18-16 W.
near Constock
Measuring Device: Stage recorder and concrete flume
Period of Record: 1938 - 1988

MIDDLE LOUP CANAL NO. 4 from Sherman Feeder Canal - 1988
Gage Location: SW1/4SW1/4 Sec. 30-17-15W.
near Arcadia
Measuring Device: Flow meter and observer
Period of Record: 1986 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	23	42	109	57	14
2	0	24	45	119	27	12
3	0	25	69	146	28	12
4	0	26	66	132	28	12
5	0	28	52	98	27	9.2
6	0	32	98	97	25	9.3
7	0	34	115	95	26	8.6
8	0	33	118	77	29	7.9
9	0	31	61	57	31	6.9
10	0	34	58	68	32	7
11	0	43	80	98	32	5.9
12	0	51	91	118	31	6.9
13	0	51	90	99	26	7.6
14	0	52	92	76	25	7.3
15	0	63	107	76	24	6.8
16	0	70	109	77	22	6.3
17	40	70	111	103	23	5.8
18	63	70	113	141	23	5.5
19	15	69	112	134	18	5.3
20	20	81	96	133	17	5.7
21	63	90	88	125	16	5.6
22	63	104	85	117	14	4.5
23	63	112	86	96	14	4.1
24	53	126	98	86	14	2.7
25	34	123	98	80	14	3.1
26	33	130	108	81	13	3.1
27	32	130	112	72	12	1.4
28	29	127	115	76	13	0
29	27	139	114	77	12	0
30	26	73	116	80	19	0
31	25	---	118	76	---	0
Total	586	2064	2863	3019	692	186.5
Mean	19	69	92	97	23	6
Max.	63	139	118	146	57	14
Min.	0	23	42	57	12	0
A.F.	1160	4090	5680	5990	1370	370
Total 6 Months	--	--	18660	A.F.	--	--

Date	June	July	Aug.
1	0	0	10
2	0	0	17
3	0	0	10
4	0	0	4.6
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	4.3
11	0	0	10
12	0	0	11
13	0	0	4.7
14	0	0	0
15	0	0	0
16	0	0	0
17	0	7.2	0
18	0	13	0
19	0	4.6	0
20	0	0	0
21	0	0	0
22	0	0	0
23	8.1	0	0
24	17	0	0
25	18	1.5	0
26	21	4.3	0
27	19	7.2	0
28	23	11	0
29	23	12	0
30	17	11	0
31	---	4	0
Total	146.1	75.8	71.6
Mean	5	2	2
Max.	23	13	17
Min.	0	0	0
A.F.	290	150	140
Total 3 Months	--	--	580

Appropriations: A-2293DR, A-2678DR, A-3979DR, A-3981DR,
A-5139, A-5284R, A-10161, A-10175,
A-12197, A-12198, A-12673, A-13590

Appropriations: A-2293DR, A-2678DR, A-3979DR, A-3981DR,
A-5139, A-5284R, A-10161, A-10175,
A-12197, A-12198, A-12673, A-13590

* Records from 1944 - 1946 are published in the
1980 Hydrographic Report.

Note: This flow diverted by Farwell (Sherman Feeder) Canal

MIDDLE LOUP SPILLWAY NO. 4 - 1988
Gage Location: SW1/4SW1/4 Sec. 10-14-14W.
near Loup City
Measuring Device: Stage recorder and 7.8 ft. weir
Period of Record: 1956 - 1978, 1985 - 1988

Date	May	June	July	Aug.	Sept.	Oct.
1	0	5.9	21	5.2	17	7.3
2	0	5.4	8.2	7	15	7.9
3	0	3.9	16	9.2	7.1	5.8
4	0	1.6	33	14	9.8	9.7
5	0	1.8	27	19	14	4.3
6	0	2.9	8.6	23	16	4.4
7	0	8.7	22	24	15	3.8
8	0	9.5	19	22	16	3.2
9	0	9	21	16	21	3.6
10	0	8.4	9.9	7.7	16	3
11	0	11	12	12	17	1.8
12	0	17	19	7.8	18	1.4
13	0	21	21	9.2	19	1
14	0	16	16	16	14	0.5
15	0	21	12	13	11	0
16	0	21	18	13	10	3
17	0	24	11	9.2	14	4
18	0	21	18	11	10	5
19	0	19	16	12	11	5
20	0	18	17	9.6	10	6
21	0	20	7.7	15	7.3	4
22	0	16	2	21	6.3	4
23	0	9.5	3.3	17	5.1	3
24	10	16	11	15	5.1	2
25	21	13	17	19	5.1	3
26	9.3	3.6	9.2	19	5.2	2
27	6.2	3.2	9.2	19	4.2	1
28	7.9	5.6	5.4	17	7.5	0.5
29	6.1	12	5.1	22	6.8	0
30	4.4	29	7.9	21	6.1	0
31	5.6	---	10	20	---	0
Total	70.5	374	433.5	464.9	339.6	100.2
Mean	2	12	14	15	11	3
Max.	21	29	33	24	21	9.7
Min.	0	1.6	2	5.2	4.2	0
A.F.	140	740	860	920	670	200
Total 6 Months	--	--	3530	A.F.	--	--

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-Feet--1988

	May	June	July	Aug.	Sept.	Oct.	Total
Diversions:							
Canal No. 1.....	20	1070	2030	1980	720	0	5820
Canal No. 1 Pump....	130	240	540	150	0	0	1060
Canal No. 2.....	270	1560	2390	1880	610	0	6710
Canal No. 3.....	1040	4300	6090	5890	2210	0	19530
Canal No. 4.....	1160	4090	5680	5990	1370	370	18660
Canal No. 4..... (from Sherman Feeder) *	0	290	150	140	0	0	580
Total diversions...	2620	11550	16880	16030	4910	370	52360
Returned through spillways:							
Canal No. 1.....	60	430	310	410	50	0	1260
Canal No. 2.....	80	290	590	570	350	0	1880
Canal No. 3.....	230	440	530	530	490	0	2220
Canal No. 4.....	140	740	860	920	670	200	3530
Total returned.....	510	1900	2290	2430	1560	200	8890

* Amount diverted by Farwell (Sherman Feeder) Canal and
delivered to Middle Loup Canal No. 4.

PLATTE RIVER BASIN
(LOUP RIVER)

FARWELL (SHERMAN FEEDER) CANAL from Middle Loup River - 1968
Gage Location: NE1/4SE1/4 Sec. 36-16-17 W.
near Comstock
Measuring Device: Stage recorder and 25 ft. Parshall flume
Period of Record: 1963 - 1988

Date	Apr.	May	June	July	Aug.	Sept.
1	0	303	158	323	181	461
2	0	312	161	420	198	516
3	0	313	215	461	166	525
4	0	353	252	385	227	523
5	0	358	260	291	378	510
6	0	360	256	439	427	415
7	0	360	302	319	363	434
8	0	357	321	298	371	439
9	0	360	322	426	418	444
10	0	356	344	477	450	449
11	0	344	355	476	399	446
12	0	353	362	480	351	448
13	0	358	438	504	389	439
14	0	356	437	475	401	425
15	0	356	490	348	416	411
16	0	423	490	264	441	407
17	0	450	492	290	432	411
18	36	452	492	276	410	417
19	42	451	487	281	422	423
20	130	453	476	369	402	403
21	168	451	402	436	362	368
22	226	449	337	349	363	425
23	276	444	243	273	376	420
24	298	433	178	308	385	413
25	298	450	144	305	320	403
26	285	453	133	224	310	326
27	283	453	131	172	327	123
28	296	331	94	175	378	35
29	301	247	79	177	389	24
30	302	238	221	175	408	12
31	---	195	---	172	444	---
Total	2941	11572	9072	10368	11304	11495
Mean	98	373	302	334	365	383
Max.	302	453	492	504	450	525
Min.	0	195	79	172	166	12
A.F.	5830	22950	17990	20560	22420	22600
Total 6 Months	--	112550	A.F.			

Appropriations: A-4923A&B

Note: Total includes 580 A.F. delivered to Middle Loup Canal No. 4.

SHERMAN RESERVOIR storage in acre-feet - 1968
Gage Location: SW1/4SW1/4 Sec. 36-16-14 W.
near Loup City
Measuring Device: Stage observation
Period of Record: 1963 - 1988

Date	STORAGE LEVEL												ELEVATION (Feet)	CONTENT (Acra-foot)
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
	Top of conservation pool												2162.3	69076
	Top of dead storage pool												2118.5	3839
1	51057	50110	49421	47812	51531	69365	56926	45806	37159	55419	53210	51768		
2	51057	50110	49421	47812	52004	69365	57428	44719	38131	55168	52966	51768		
3	51057	50110	49421	47812	52966	69365	57686	43855	38914	55168	52966	51768		
4	50828	50110	49421	48042	53210	69365	57945	43005	39914	54917	52966	51531		
5	50820	50110	49421	48042	53698	69365	58203	42377	40724	54917	52966	51531		
6	50820	50110	49421	48042	54429	69365	58462	42168	41540	54917	52722	51531		
7	50820	49880	49421	48042	55168	69365	58462	42568	42168	54673	52722	51531		
8	50820	49880	49421	47812	55670	69365	58462	42795	43005	54673	52722	51294		
9	50820	49880	49421	47812	55921	69365	57945	42795	43639	54673	52722	51294		
10	50820	49880	49421	47812	56424	69365	57428	43005	44503	54673	52478	51294		
11	50820	49880	49421	47812	56926	69076	57177	43005	45367	54673	52478	51294		
12	50820	49880	49421	47812	57686	69076	56675	43005	45806	54429	52478	51294		
13	50820	49880	48961	47812	58203	69365	56172	42568	46475	54429	52478	51294		
14	50584	49650	48961	47589	58720	69365	55670	42168	47143	54429	52478	51294		
15	50584	49650	48961	47589	59237	69365	55168	41959	48042	54429	52478	51057		
16	50584	49650	48961	47589	59495	69076	54429	41749	48731	54185	52241	51057		
17	50584	49650	48961	47589	60278	69365	53941	41540	49421	54185	52241	51057		
18	50584	49650	48961	47306	60810	69365	53698	41331	50110	54185	52241	50820		
19	50820	49650	48961	47306	61607	69365	53554	40926	50820	53941	52241	50820		
20	50820	49650	48731	47306	62139	69653	53210	40724	51294	53941	52004	51057		
21	50584	49650	48731	47306	63218	69653	52966	40116	52004	53941	52004	51057		
22	50584	49650	48731	47589	63764	68788	53210	39711	52478	53941	52004	51057		
23	50584	49650	48731	47812	64584	67930	53210	39306	53210	53698	52004	50820		
24	50584	49650	48501	48272	65134	66808	52966	38719	53698	53698	52004	50820		
25	50347	49650	48501	48731	65965	65134	52722	38327	54429	53698	52004	50820		
26	50347	49421	48501	49421	66527	63491	52241	37740	54917	53554	52004	50820		
27	50347	49421	48272	49650	67369	61873	51057	37159	55419	53554	51768	50820		
28	50347	49421	48272	50110	67930	60278	50110	36970	55419	53554	51768	50820		
29	50347	---	48272	50584	68499	58462	48961	36781	55419	53554	51768	50820		
30	50347	---	48042	51057	68788	56926	47812	36781	55419	53210	51768	50820		
31	50110	---	48042	---	69076	---	46698	36781	---	53210	---	50820		

Appropriations: A-4923A

PLATTE RIVER BASIN
(LOUP RIVER)

FARWELL "MAIN" CANAL from Sherman Reservoir - 1988
Gage Location: NW1/4SW1/4 Sec. 1-15-14 W.
below Sherman Reservoir
Measuring Device: Stage recorder and six orifice gates
Period of Record: 1964 - 1988

Date	June	July	Aug.	Sept.
1	0	86	412	45
2	0	96	401	0
3	60	102	391	0
4	102	102	349	0
5	101	108	209	0
6	102	123	125	0
7	104	177	117	0
8	117	273	130	0
9	125	329	146	0
10	134	336	168	0
11	140	398	238	0
12	140	439	326	0
13	156	448	328	0
14	164	457	320	0
15	205	457	279	0
16	247	305	280	0
17	249	256	324	0
18	243	243	340	0
19	243	224	362	0
20	288	172	364	0
21	384	153	364	0
22	472	168	364	0
23	534	216	359	0
24	562	230	368	0
25	576	323	336	0
26	576	420	312	0
27	576	454	232	0
28	576	478	210	0
29	555	488	205	0
30	259	431	180	0
31	---	412	147	---
Total	7990	8904	8666	45
Mean	258	287	280	2
Max.	576	488	412	45
Min.	0	86	117	0
A.F.	15850	17660	17190	90
Total 4 Months	--	--	50790	A.F.

Appropriations: A-4423, A-5710, A-10260A, A-10470

FARWELL "SOUTH" CANAL from Sherman Reservoir - 1988
Gage Location: NW1/4SW1/4 Sec. 1-15-14 W.
below Sherman Reservoir
Measuring Device: Stage recorder and four orifice gates
Period of Record: 1965 - 1988

Date	June	July	Aug.	Sept.
1	0	45	238	35
2	0	52	226	0
3	34	56	221	0
4	60	56	211	0
5	60	79	152	0
6	59	108	118	0
7	76	157	113	0
8	84	204	133	0
9	83	224	146	0
10	93	226	159	0
11	100	241	169	0
12	101	263	188	0
13	122	263	191	0
14	143	270	188	0
15	153	270	161	0
16	181	215	156	0
17	154	196	168	0
18	127	199	176	0
19	126	191	184	0
20	160	150	194	0
21	190	123	199	0
22	239	126	212	0
23	279	142	217	0
24	304	148	217	0
25	332	180	211	0
26	335	222	199	0
27	339	248	176	0
28	346	266	169	0
29	339	265	140	0
30	130	249	118	0
31	---	241	109	---
Total	4749	5675	5459	35
Mean	158	183	176	1
Max.	346	270	238	35
Min.	0	45	109	0
A.F.	9420	11260	10830	70
Total 4	--	31580	A.F.	

Appropriations: A-4423, A-5710, A-10260A, A-10470

FARWELL MAIN and SOUTH CANALS combined flow monthly summary - 1988
NW1/4SW1/4 Sec. 1-15-14 W. below Sherman Reservoir
Period of Record: 1965 - 1988

	May	June	July	Aug.	Sept.	Total (Acre-Feet)
Farwell Main Canal	0	15850	17660	17190	90	50790
Farwell South Canal	0	9420	11260	10830	70	31580
Total	0	25270	28920	28020	160	82370

PLATTE RIVER BASIN
(LOUP RIVER)

TAYLOR-ORD CANAL from North Loup River - 1988
Gage Location: NE1/4NE1/4 Sec. 20-21-18W.
near Taylor
Measuring Device: Stage recorder and concrete flume
Period of Record: 1939-1988 *

Date	May	June	July	Aug.	Sept.
1	0	37	177	190	127
2	0	36	168	194	117
3	0	38	164	187	106
4	0	37	170	188	100
5	0	38	175	165	98
6	0	37	177	159	93
7	0	39	182	154	85
8	0	36	200	149	79
9	0	35	186	142	74
10	51	35	176	143	73
11	86	35	175	149	70
12	43	36	166	156	67
13	41	49	169	119	73
14	41	61	177	112	74
15	43	68	188	111	32
16	42	76	197	103	0
17	36	77	203	102	0
18	39	76	200	103	0
19	38	79	185	103	0
20	45	84	142	120	0
21	44	93	124	131	0
22	38	114	124	150	0
23	28	151	127	163	0
24	35	167	126	174	0
25	30	176	142	172	0
26	34	190	158	176	0
27	35	196	172	168	0
28	35	194	181	163	0
29	33	196	186	157	0
30	35	189	188	151	0
31	36	---	186	141	---
Total	888	2675	5291	4595	1268
Mean	29	89	171	148	42
Max.	86	196	203	194	127
Min.	0	35	124	102	0
A.F.	1760	5310	10490	9110	2520
Total 5 Months			29190	A.F.	

Appropriations: A-2155, A-2312, A-2417R, A-3215A,
A-3768R, A-3980A, 3982A, A-7600,
A-7854, A-11447, A-11648, A-11706,
A-13475, A-15442, A-15460, A-15569,
A-15821

* Records from 1944 - 1946 are published in the
1980 Hydrographic Report.

TAYLOR-ORD SPILLWAY at mile 33.90 - 1988
Gage Location: SW1/4SW1/4 Sec. 16-19-14W.
near Ord
Measuring Device: Stage recorder and 3 ft. weir
Period of Record: 1956 - 1978, 1985 - 1988

Date	June	July	Aug.	Sept.
1	0	0.3	1.9	1.1
2	0	2.5	1.8	1.9
3	0	4.5	1.5	2.9
4	0	4.7	2.7	2.9
5	0	4.7	4.2	3
6	0	4.8	4.3	3.4
7	0.76	4.9	4.4	3.6
8	2.6	4.3	4.5	4
9	2.5	5.5	4.6	4.2
10	2.6	5.6	4.8	4
11	2.7	5.6	4.8	4.2
12	2.9	4.6	4.5	4.2
13	3.2	3.6	4.5	4.3
14	3.4	0.3	4.5	4.3
15	3.7	1.3	4.8	4.4
16	3	1.5	4.5	4.4
17	3.2	1.5	4	4.3
18	3.2	1.8	3.9	4.6
19	3.2	3.2	3.8	3.8
20	3	4.7	3.8	3.2
21	1.5	3.8	3.8	0.9
22	1.3	4	3.6	0
23	1.2	3.8	2.9	0
24	2.2	3.4	2.3	0
25	1.3	2.9	3	0
26	1.2	1.5	3	0
27	0.3	0.3	1.5	0
28	0.3	0.9	3.2	0
29	0.3	1.7	1.2	0
30	0.3	2.2	0.9	0
31	---	2.5	1.2	---
Total	49.86	96.9	104.4	73.6
Mean	1.7	3.1	3.4	2.5
Max.	3.7	5.6	4.8	4.6
Min.	0	0.3	0.9	0
A.F.	100	190	210	150
Total 4 Months	--	650	A.F.	

TAYLOR-ORD SPILLWAY at mile 34.06 - 1988
Gage Location: NW1/4SW1/4 Sec. 17-19-14 W.
near Ord
Measuring Device: Stage recorder and 6 ft. weir
Period of Record: 1956 - 1978, 1985 - 1988

Date	May	June	July	Aug.	Sept.
1	0	8.3	7.1	8.6	13
2	0	8.3	10	7.3	14
3	0	8.9	11	6	15
4	0	8.4	12	7.8	15
5	0	12	8.9	13	15
6	0	12	7.1	15	20
7	0	8.1	4.3	15	25
8	0	7.1	5.1	16	25
9	0	7.1	21	15	22
10	0	8.3	25	19	21
11	0	8.2	23	18	24
12	16	8.6	22	15	25
13	20	10	20	25	25
14	14	18	12	28	24
15	15	19	7.4	29	23
16	16	19	6.9	27	19
17	16	22	6.7	26	17
18	9.9	24	5.1	24	14
19	13	23	12	22	10
20	12	13	12	19	2.8
21	18	9.4	13	20	0
22	19	2.9	14	11	0
23	13	4.4	13	5.7	0
24	9.7	10	12	6.1	0
25	6.7	5.2	14	10	0
26	6.1	2.2	9.7	9	0
27	5.8	0.39	2.3	12	0
28	6.5	16	0.42	14	0
29	6.9	12	6	13	0
30	7	5.3	5.3	13	0
31	7.1	---	8.1	13	---
Total	237.7	321.09	336.42	482.5	368.8
Mean	8	11	11	16	12
Max.	20	24	25	29	25
Min.	0	0.39	0.42	5.7	0
A.F.	470	640	670	960	730
Total 5 Months	--	3470	A.F.		

PLATTE RIVER BASIN
(LOUP RIVER)

CALAMUS RESERVOIR from Calamus River - 1988
 Gage Location: NE1/4SW1/4 Sec. 31-22-16 W.
 near Burwell
 Measuring Device: Stage recorder
 Period of Record: 1985 - 1988

STORAGE LEVEL				ELEVATION				CONTENT				
Top of conservation pool				(Feet)				(Acres-feet)				
Top of dead storage pool				2244.0				127400				
				2185.0				817				
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	108335	108381	109166	110841	125564	127195	131000	126378	120802	98504	93498	108151
2	108335	108381	109120	111403	126531	127247	130602	126175	120555	97737	93958	108381
3	108335	108381	109212	112296	127400	127247	130550	125869	120209	96965	94420	108889
4	108151	108381	109166	112826	127400	127093	130498	126124	119471	96282	94925	109166
5	107967	108335	109166	113575	127400	127042	130342	125818	118686	95263	95559	109722
6	108059	108335	109120	113812	127400	126838	130082	125818	117808	94672	95771	110141
7	108013	108289	109027	114432	127913	126786	129927	125869	116788	94168	96239	110607
8	107967	108289	109027	114862	128016	126991	130811	126022	115967	93614	96879	110934
9	107967	108289	108889	115294	127913	126940	130498	125818	114862	92665	97479	111309
10	108013	108151	108704	115919	127759	127144	130394	125564	113717	91461	98039	111778
11	108059	108151	108750	116305	127759	127242	129616	125362	112627	91179	98427	112155
12	107922	108151	108704	116691	127759	127400	130394	125209	112108	90278	99251	112627
13	107922	108197	108581	117176	127913	127554	129202	124022	110934	89628	99817	112769
14	107967	108197	108059	117516	127754	127913	128892	125768	109955	88778	100210	112863
15	107967	108243	107967	117808	127913	128273	128479	125666	109166	88295	100780	112863
16	107967	108381	107967	118195	127811	128531	128273	125666	108427	87375	101308	112863
17	107907	108381	107896	118588	127708	128943	128067	125514	107922	86769	101661	112674
18	108059	108658	107784	118882	127605	129357	128685	125311	107143	86778	102059	112769
19	108520	108704	107784	119127	127913	129719	129823	124855	106864	87295	102541	112958
20	108381	108704	107784	119717	127913	130030	128634	124704	105959	87734	102992	112958
21	108197	108704	107692	120111	128788	130394	128531	124350	105054	87814	103348	112863
22	108105	108750	107646	120605	128788	130915	128428	124350	104603	88498	103885	112911
23	108013	108843	107736	121295	128943	130915	128428	124098	103751	89344	104378	113053
24	107967	108796	107830	121696	128685	130967	128273	123696	102902	89668	104828	112958
25	107967	108843	108105	122443	128428	131071	128016	123093	102015	90197	105325	112911
26	108105	108935	108335	123143	128376	131915	127811	122693	101305	90564	105868	112911
27	108151	108935	108520	123545	128325	130915	127605	122443	100386	91452	106459	112721
28	108243	109027	109305	124098	127913	131019	127298	122094	99186	91631	106595	112769
29	108427	-----	109937	124653	127759	130863	126941	121696	99512	92044	107234	112769
30	108474	-----	108955	125204	127503	130916	126735	121397	98904	92540	107646	112769
31	108474	-----	110281	-----	127605	-----	126480	120951	-----	92956	-----	112816

Appropriations: A-9517

MIRDAN CANAL from Calamus Reservoir - 1988
 Gage Location: NE1/4NW1/4 Sec. 6-21-16 W.
 near Burwell
 Measuring Device: Stage recorder and 30 ft. Parshall flume
 Period of Record: 1987 - 1988

Date	May	June	July	Aug.	Sept.
1	0	48	95	88	41
2	0	31	81	96	32
3	0	40	78	97	38
4	0	42	78	72	40
5	0	44	84	45	8.1
6	0	51	90	40	0
7	0	44	100	38	0
8	0	35	107	38	0
9	0	39	95	44	0
10	31	41	83	44	0
11	56	37	79	46	0
12	3.2	35	88	51	0
13	0	41	80	40	0
14	0	49	91	33	0
15	0	48	100	37	0
16	0	47	101	35	0
17	0	51	100	36	0
18	0	59	114	37	0
19	0	62	124	40	0
20	0	63	95	56	0
21	0	63	75	62	0
22	0	69	73	72	0
23	0	75	75	64	0
24	0	92	76	61	0
25	0	106	76	67	0
26	0	106	87	60	0
27	36	124	104	69	0
28	59	123	116	61	0
29	18	120	110	59	0
30	18	115	93	53	0
31	18	---	89	43	---
Total	239.2	1900	2837	1675	159.1
Mean	8	63	92	54	5
Max.	59	124	124	97	41
Min.	0	31	73	33	0
A.F.	470	3770	5630	3320	320
Total 5 Months	---	---	13510	A.F.	---

Appropriations: A 9647, A 150A9

PLATT RIVER BASIN
(LOUP RIVER)

BURWELL-SUMTER CANAL from North Loup River - 1988
Gage Location: NE1/4NW1/4 Sec.19-21-15W.
near Burwell
Measuring Device: Stage recorder and concrete flume
Period of Record: 1939 - 1988 *

Date	May	June	July	Aug.	Sept.
1	0	29	104	97	76
2	40	29	81	101	67
3	74	29	81	104	53
4	37	29	81	98	47
5	38	29	84	79	50
6	39	30	93	69	49
7	40	32	104	71	41
8	40	28	115	70	34
9	37	32	96	61	29
10	38	31	87	55	25
11	37	31	86	56	25
12	39	32	82	63	24
13	39	40	76	77	22
14	37	43	75	46	23
15	36	48	87	45	12
16	36	54	102	42	0.1
17	35	56	104	39	0
18	35	53	105	37	0
19	35	53	103	40	0
20	36	61	71	63	0
21	37	70	59	79	0
22	30	89	60	91	0
23	32	99	60	96	0
24	31	106	63	93	0
25	31	113	75	93	0
26	30	113	81	92	0
27	30	110	100	90	0
28	30	111	105	86	0
29	30	112	105	75	0
30	30	109	103	54	0
31	29	---	99	82	---
Total	1088	1801	2727	2244	577.1
Mean	35	60	88	72	19
Max.	74	113	115	104	76
Min.	0	28	59	37	0
A.F.	2160	3570	5410	4450	1140
Total 5 Months	--	--	16730	A.F.	--

Appropriations: A-2312, A-3215B, A-3772, A-3828
A-3980B, A-3982B, A-6578, A-6943
A-9809, A-10443, A-11856, A-12017
A-12355, A-13402, A-13474, A-14566
A-14777, A-15935, A-16273

* Records for 1944 - 1946 are published in the
1980 Hydrographic Report.

BURWELL-SUMTER SPILLWAY at mile 24.90 - 1988
Gage Location: SE1/4NE1/4 Sec. 20-19-13W.
near Ord
Measuring Device: Stage recorder and 3 ft. weir
Period of Record: 1956-1978, 1985-1988

Date	May	June	July	Aug.	Sept.
1	0	5.8	3.7	0.57	8.9
2	0	6.1	8.5	0.63	10
3	0	6.9	10	1.2	11
4	3.9	5.5	10	3.7	9.7
5	6.9	5.6	9.9	9.4	9.9
6	8	6.3	8.4	11	10
7	6.1	6.9	6.4	11	10
8	6.7	7.2	5.7	11	9.9
9	7.8	5.7	8.6	12	10
10	7.2	6.8	10	11	9.7
11	6.2	7.3	11	9.4	9
12	3.7	7.6	11	6.2	9
13	4.5	7.5	11	7.2	8.1
14	4.8	7.9	6.9	11	8.4
15	4.8	8.4	4.2	10	7.9
16	4.6	8.5	3.3	11	4.8
17	4.3	9.2	4	10	3.3
18	4.9	9.4	3.5	9.4	0.83
19	4.9	9.2	4.4	7.4	0.2
20	4.8	9	7.6	3.9	0
21	6.9	7.9	9	5.7	0
22	8.1	7	9	6	0
23	8.1	7.9	9.2	4.7	0
24	7.5	3.1	9	4.3	0
25	6.6	0.57	9	3.9	0
26	6.1	0.35	8.1	2	0
27	6	0.57	5.7	0.96	0
28	5.7	0.51	4.4	1.4	0
29	5.6	0.35	1.5	1.2	0
30	6	1.4	2	1.1	0
31	5.7	---	1.2	2.6	---
Total	166.4	176.45	216.2	190.86	150.63
Mean	5	6	7	6	5
Max.	8.1	9.4	11	12	11
Min.	0	0.35	1.2	0.57	0
A.F.	330	350	430	380	300
Total 5 Months	--	--	1790	A.F.	--

PLATTE RIVER BASIN
(LOUP RIVER)

ORD-NORTH LOUP CANAL from North Loup River - 1988
Gage Location: NW1/4NE1/4 Sec. 36-19-14W.
near Ord
Measuring Device: Stage recorder and concrete flume
Period of Record: 1939 - 1988 *

ORD-NORTH LOUP SPILLWAY at mile 16.69 - 1988
Gage Location: SW1/4NW1/4 Sec. 8-17-12 W.
near North Loup
Measuring Device: Stage Recorder and 3 ft. weir
Period of Record: 1956 - 1978, 1985 - 1988

Date	May	June	July	Aug.	Sept.
1	0	18	93	102	43
2	0	19	67	103	39
3	0	18	67	103	34
4	0	18	67	94	35
5	39	18	70	88	35
6	22	19	85	81	30
7	24	20	93	79	23
8	22	19	94	79	21
9	18	19	83	72	16
10	22	20	84	72	17
11	22	20	83	70	16
12	19	21	85	77	17
13	20	27	84	80	16
14	22	28	86	72	15
15	24	35	88	68	7.1
16	28	41	93	62	0
17	27	48	94	55	0
18	22	52	94	62	0
19	22	57	85	64	0
20	23	65	60	64	0
21	23	71	55	64	0
22	22	79	55	72	0
23	23	88	53	72	0
24	22	98	49	71	0
25	21	104	55	77	0
26	21	104	75	77	0
27	21	106	90	66	0
28	20	108	96	61	0
29	21	108	101	55	0
30	18	101	101	52	0
31	19	---	102	46	---
Total	607	1549	2487	2260	364.1
Mean	20	52	80	73	12
Max.	39	108	102	103	43
Min.	0	18	49	46	0
A.F.	1200	3070	4930	4480	720
Total 5 Months	--	--	14400	A.F.	--

Date	May	June	July	Aug.	Sept.
1	0	3.4	8.8	2.9	2.1
2	0	3.3	2.5	2.9	2.1
3	0	3.4	5.8	2.9	1.9
4	0	2.3	5.2	9.3	1.9
5	0	2.5	5.2	16	3
6	2	2.8	5.2	16	8.8
7	2.9	3.7	5.2	16	9.3
8	2.9	3.8	3.6	16	8.3
9	3.2	3.7	0.9	14	7.8
10	1.2	3.8	1.9	7.3	7.8
11	1.3	3.6	4	1.2	7.5
12	0.83	4.5	4	1.2	7.8
13	0.7	6.1	4.4	1.2	4.9
14	0.83	5.7	5.5	1.2	6.1
15	1.8	5.6	1.3	1.2	5.2
16	3.4	6.9	1.6	1.2	2.9
17	5.2	7.5	3.8	6.3	1.3
18	3.6	7.2	14	9	0.4
19	2.9	5.3	12	8.5	0.12
20	3.6	5.4	11	8.5	0
21	4.9	4.9	8	8.8	0
22	5	1.9	9.7	9.3	0
23	6	0.09	10	13	0
24	4.6	0.06	8.3	9.3	0
25	3	0.04	2.3	7.5	0
26	3.2	0.04	0.63	9.3	0
27	3.2	0.04	0.63	11	0
28	3	0.04	0.63	11	0
29	2.6	0.06	0.57	13	0
30	3	2.7	1.9	8.8	0
31	3.2	---	1.9	7.3	---
Total	78.06	100.37	150.46	251.1	89.22
Mean	3	3	5	8	3
Max.	6	7.5	14	16	9.3
Min.	0	0.04	0.57	1.2	0
A.F.	150	200	300	500	180
Total 5 Months	--	--	1330	A.F.	--

Appropriations: A-2312CR, A-3215C, A-3672, A-3980C,
A-3982C, A-4231, A-10209, A-10583,
A-10584, A-14120, A-14814, A-14031,
A-15236, A-15898, A-16082, A-16278

* Records from 1944 - 1946 are published in the
1980 Hydrographic Report.

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-Feet--1988

	May	June	July	Aug.	Sept.	Total
Diversions:						
Taylor-Ord Canal	1760	5310	10490	9110	2520	29190
Burwell-Sumter Canal	2160	3570	5410	4450	1140	16730
Ord-North Loup Canal	1200	3070	4930	4480	720	14400
Total diverted:	5120	11950	20830	18040	4380	60320
Returned through spillways:						
Taylor-Ord Mile 33.90	0	100	190	210	150	650
Taylor-Ord Mile 34.06	470	640	670	960	730	3470
Burwell-Sumter	330	350	430	380	500	1790
Ord-North Loup	150	200	300	500	180	1330
Total returned:	950	1290	1590	2050	1360	7240

PLATTE RIVER BASIN
(SALT CREEK)

OLIVE BRANCH LAKE (NO. 2) from Olive Branch Creek - 1988
Gage Location: Sec. 10-7-5 E. near Kramer
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1988

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	1350.0	5450
Top of conservation pool	1335.0	1490
Top of dead storage pool	1330.0	870

Date	Contents (acre-feet)
December 31, 1987	1310
January 31, 1988	1310
February 29, 1988	1300
March 31, 1988	1250
April 30, 1988	1220
May 31, 1988	1180
June 30, 1988	1080
July 31, 1988	1010
August 31, 1988	960
September 30, 1988	940
October 31, 1988	880
November 30, 1988	870
December 31, 1988	870

Appropriations: A-10120

Data furnished by United States Army Corps of Engineers.

BLUE STEM LAKE (NO. 4) from a tributary to Salt Creek - 1988
Gage Location: Sec. 30-8-6 E. near Martell
Measuring Device: Stage Recorder
Period of Published Record: 1977 - 1988

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	1322.5	10200
Top of conservation pool	1308.0	3200
Top of dead storage pool	1303.0	2660

Date	Contents (acre-feet)
December 31, 1987	2500
January 31, 1988	2520
February 29, 1988	2540
March 31, 1988	2490
April 30, 1988	2460
May 31, 1988	2400
June 30, 1988	2180
July 31, 1988	2040
August 31, 1988	1870
September 30, 1988	1840
October 31, 1988	1720
November 30, 1988	1660
December 31, 1988	1640

Appropriations: A-10025

Data furnished by United States Army Corps of Engineers.

WAGON TRAIN LAKE (NO. 8) from a tributary to Salt Creek - 1988
Gage Location: Sec. 36-8-7 E. near Holland
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1988

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	1302.0	9100
Top of conservation pool	1288.0	2600
Top of dead storage pool	1283.5	1660

Date	Contents (acre-feet)
December 31, 1987	2480
January 31, 1988	2480
February 29, 1988	2490
March 31, 1988	2480
April 30, 1988	2450
May 31, 1988	2470
June 30, 1988	2290
July 31, 1988	2200
August 31, 1988	2080
September 30, 1988	2070
October 31, 1988	1970
November 30, 1988	1970
December 31, 1988	1950

Appropriations: A-10024

Data provided by United States Army Corps of Engineers.

STAGE COACH LAKE (NO. 9) from South Branch Salt Creek - 1988
Gage Location: Sec. 4-7-7 E. near Hickman
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1988

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	1285.0	6700
Top of conservation pool	1271.0	1900
Top of dead storage pool	1261.0	460

Date	Contents (acre-feet)
December 31, 1987	1910
January 31, 1988	1930
February 29, 1988	1930
March 31, 1988	1960
April 30, 1988	1930
May 31, 1988	1950
June 30, 1988	1870
July 31, 1988	1840
August 31, 1988	1840
September 30, 1988	1830
October 31, 1988	1790
November 30, 1988	1820
December 31, 1988	1860

Appropriations: A-10119

Data provided by United States Army Corps of Engineers.

PLATTE RIVER BASIN
(SALT CREEK)

YANKEE HILL LAKE (NO. 10) from Cardwell Branch Salt Creek - 1988
Gage Location: Sec 19-9-6 E. near Denton
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1988

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acres-Feet)
Top of flood pool	1262.0	7500
Top of conservation pool	1245.0	2000
Top of dead storage pool	1237.0	720

Date	Contents (acre-feet)
December 31, 1987	1700
January 31, 1988	1700
February 29, 1988	1760
March 31, 1988	1740
April 30, 1988	1750
May 31, 1988	1710
June 30, 1988	1550
July 31, 1988	1450
August 31, 1988	1310
September 30, 1988	1370
October 31, 1988	1280
November 30, 1988	1260
December 31, 1988	1240

Appropriations: A-10430

Data provided by United States Army Corps of Engineers.

CONESTOGA LAKE (NO.12) from Holmes Creek - 1988
Gage Location: Sec. 10-9-5 E. near Denton
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1988

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acres-Feet)
Top of flood pool	1252.0	10600
Top of conservation pool	1233.0	2700
Top of dead storage pool	1228.0	1700

Date	Contents (acre-feet)
December 31, 1987	2590
January 31, 1988	2660
February 29, 1988	2640
March 31, 1988	2630
April 30, 1988	2640
May 31, 1988	2640
June 30, 1988	2490
July 31, 1988	2380
August 31, 1988	2260
September 30, 1988	2320
October 31, 1988	2240
November 30, 1988	2210
December 31, 1988	2210

Appropriations: A-10121

Data provided by United States Army Corps of Engineers.

TWIN LAKES (NO. 13) from South Branch Middle Creek - 1988
Gage Location: Sec. 22-10-4 E. near Pleasant Dale
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1988

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acres-Feet)
Top of flood pool	1355.0	8000
Top of conservation pool	1341.0	2850
Top of dead storage pool	1333.0	1200

Date	Contents (acre-feet)
December 31, 1987	2810
January 31, 1988	2900
February 29, 1988	2860
March 31, 1988	2830
April 30, 1988	2850
May 31, 1988	2810
June 30, 1988	2740
July 31, 1988	2660
August 31, 1988	2500
September 30, 1988	2170
October 31, 1988	1730
November 30, 1988	1720
December 31, 1988	1710

Appropriations: A-10308

Data provided by United States Army Corps of Engineers.

PAWNEE LAKE (NO. 14) from North Branch Middle Creek - 1988
Gage Location: Sec. 16-10-5 E. near Emerald
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1988

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acres-Feet)
Top of flood pool	1263.5	29450
Top of conservation pool	1244.5	8600
Top of dead storage pool	1233.0	2460

Date	Contents (acre-feet)
December 31, 1987	7020
January 31, 1988	7430
February 29, 1988	7690
March 31, 1988	7850
April 30, 1988	7940
May 31, 1988	7860
June 30, 1988	7530
July 31, 1988	7270
August 31, 1988	6880
September 30, 1988	6980
October 31, 1988	6780
November 30, 1988	6860
December 31, 1988	6910

Appropriations: A-10176

Data provided by United States Army Corps of Engineers.

REPUBLICAN RIVER BASIN

HAIGLER CANAL from Republican River - 1968
 Gage Location: NE1/4NW1/4 Sec. 15-1-42 W.
 at Colorado - Nebraska State line
 Measuring Device: Stage recorder and 4 ft. Parshall flume
 Period of Record: 1985-1988

Date	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	15	14	12	17	13	1.3	14
2	0	14	13	12	19	13	11	14
3	0	14	11	15	16	13	16	14
4	0	13	12	12	12	13	16	15
5	0	13	11	12	7	14	17	14
6	0	12	11	12	14	14	17	13
7	0	11	18	15	11	14	16	14
8	0	11	21	16	14	14	16	13
9	12	13	23	16	14	13	16	4.4
10	20	6.4	23	17	13	14	16	0
11	21	6.6	19	12	14	15	16	0
12	20	10	18	11	14	15	16	0
13	20	11	18	14	16	15	16	0
14	20	12	16	16	19	15	16	0
15	19	11	15	15	22	14	16	0
16	18	10	15	14	20	14	16	0
17	18	11	13	12	15	14	15	0
18	17	12	14	16	13	15	15	0
19	19	11	21	20	14	15	15	0
20	22	13	24	21	14	15	15	0
21	23	13	23	19	14	16	15	0
22	11	8.7	24	22	15	16	16	0
23	10	7.3	21	20	15	16	16	0
24	9.3	5.5	22	17	11	16	15	0
25	12	8.7	18	16	12	16	15	0
26	14	12	23	19	12	16	15	0
27	14	12	27	20	12	10	15	0
28	14	11	20	18	12	1	15	0
29	13	12	14	14	14	0.8	15	0
30	13	14	9.5	15	12	0.7	14	0
31	16	---	8.5	17	---	0.7	---	0
Total	375.3	334.2	540	487	427	391.2	449.3	115.4
Mean	12	11	17	16	14	13	15	4
Max.	23	15	27	22	22	16	17	15
Min.	0	5.5	8.5	11	7	0.7	1.3	0
A.F.	740	660	1070	970	850	780	890	230
Total 8 Months	--	--	6190	A.F.	--	--	--	--

Appropriations: D-1025

Note: Data provided by the State of Colorado.

HAIGLER CANAL from Republican River - 1968
 Gage Location: Sec. 2-1-43 W. near Laird, CO
 Measuring Device: Stage Recorder and 5 ft. Parshall flume
 Period of Record: 1927, 1941, 1949 - 1956, 1962 - 1988

Date	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	16	20	18	25	15	26	18
2	0	16	19	19	26	15	30	18
3	0	15	19	21	20	15	32	18
4	0	15	18	20	15	15	34	19
5	0	14	19	21	15	15	34	17
6	0	14	19	20	21	16	30	15
7	0	12	25	20	21	16	30	15
8	0	15	28	20	19	15	31	15
9	15	14	34	21	21	15	33	3.5
10	23	7.1	27	25	25	14	34	0
11	23	8.7	23	24	25	14	33	0
12	24	12	23	23	25	15	30	0
13	23	14	23	23	28	15	30	0
14	23	15	21	22	29	15	30	0
15	23	14	22	22	30	14	30	0
16	24	14	21	24	27	15	26	0
17	24	17	20	25	23	15	23	0
18	24	19	22	28	22	16	23	0
19	25	19	37	26	23	16	23	0
20	26	23	36	26	22	16	23	0
21	22	24	33	25	23	18	23	0
22	10	22	34	30	24	19	23	0
23	10	21	33	27	22	18	23	0
24	9.8	19	34	26	19	19	23	0
25	14	18	26	23	19	19	23	0
26	16	18	36	24	20	18	23	0
27	16	18	31	23	20	7.3	23	0
28	16	18	26	23	19	2.8	21	0
29	16	19	22	22	19	2.6	19	0
30	15	21	21	25	17	2.6	18	0
31	17	---	19	25	---	9.8	---	0
Total	438.8	491.8	791	721	664	438.1	804	138.5
Mean	14	16	26	23	22	14	27	4
Max.	26	24	37	30	30	19	34	19
Min.	0	7.1	18	18	15	2.6	18	0
A.F.	870	980	1570	1430	1320	870	1590	270
Total 8 Months	---	---	8900	A.F.	---	---	---	---

Data furnished by the State of Colorado.

HAIGLER CANAL SPILLBACK to Arikaree River - 1988
 Gage Location: NW1/4NE1/4 Sec. 36-1-42 W.
 Measuring Device: Stage recorder and 4 ft. Parshall flume
 Period of Record: 1985, 1987 - 1988

Date	May	June	July	Aug.	Sept.	Oct.	Nov.
1	0	14	0	0	0	5.4	0
2	0	12	0	0	1.2	4.9	0
3	0	12	0	0	3.5	4.4	0
4	0	11	0	0	3.2	3.8	0
5	0	10	0	0	1.3	3.3	0
6	0	10	0	0	2.4	3.9	0
7	0	9.5	0	0	2.3	2.5	0
8	0	8.7	0	0	1.1	2.4	0
9	17	11	0	0	0.1	2.4	0
10	16	6	0.1	0	0.6	3.3	0
11	18	4.7	0	0	2	3.9	0
12	18	7.7	0	0	1.7	6.4	0
13	17	8.3	0	0	1.7	8.3	0
14	16	10	0	0	2.5	8.3	0
15	15	9.3	0	0	2.5	4.4	0
16	14	8.5	0	0	2.4	3.2	0
17	13	8.7	0	0	1.6	5	0
18	14	9.7	0	0	1.2	4.5	0
19	14	10	0	0	2.9	5	0
20	18	9.3	0	0	1.9	5	0
21	21	8.7	0	0	0	0	0
22	13	0	0	0	3.8	0	0
23	9.1	0	0	0	11	0	0
24	10	0	0	0	7	0	0
25	8.9	0	0	0	5.2	0	0
26	13	0	0.2	0	3.8	0	0
27	12	0	0.2	0	6.2	0	0
28	12	0	0	0	7.2	0	0
29	12	0	0	0	6.6	0	0
30	10	0	0	0	5.9	0	0
31	13	---	0	0.1	---	---	---
Total	324	199.1	0.5	0.1	92.8	90.3	0
Mean	10.5	6.6	0	0	3.1	2.9	0
Max.	21	14	0.2	0.1	11	8.3	0
Min.	0	0	0	0	0	0	0
A.F.	640	390	0	0	180	180	0
Total 7 Months	--	1390	A.F.				

Note: Data furnished by the State of Colorado.

MEEKER-DRIFTWOOD CANAL from Republican River - 1988
 Gage Location: SW1/4NW1/4 Sec. 9-2-33 W.
 Below Trenton Dam
 Measuring Device: Stage recorder and 12 ft. Parshall flume
 Period of Record: 1957 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	230	218	125
2	0	0	198	248	37
3	0	0	197	270	0
4	0	0	185	264	0
5	0	0	203	227	0
6	0	0	247	213	0
7	0	0	276	212	0
8	0	64	283	219	0
9	0	61	240	222	0
10	0	61	208	217	0
11	0	61	157	215	0
12	0	61	120	209	0
13	0	61	103	188	0
14	0	62	105	146	0
15	0	89	93	127	0
16	0	115	85	117	0
17	0	122	85	120	0
18	0	122	85	110	0
19	0	122	64	92	0
20	0	153	54	85	0
21	0	196	54	85	0
22	0	220	58	109	0
23	0	253	58	134	0
24	0	281	58	171	0
25	0	327	94	193	0
26	0	340	152	173	0
27	0	341	185	163	0
28	0	341	201	163	0
29	0	327	208	162	0
30	0	284	207	155	0
31	0	---	208	145	---
Total	0	4064	4701	5352	162
Mean	0	135	152	173	5
Max.	0	341	283	270	125
Min.	0	0	54	85	0
A.F.	0	8060	9320	10620	320
Total 5 Months	----	28320	A.F.		

Appropriations: D-4, A-3869BR, A-3887CR, A-6213, A-6225G, A-9690, A-9911, A-10590, A-11946, A-13227, A-14157, A-14180, A-15130, A-15138, A-15803, A-15811

CHAMPION CANAL from Frenchman River - 1988
 Gage Location: NW1/4SW1/4 Sec. 23-6-40W, near Champion
 Measuring Device: Stage recorder
 Period of Record: 1923, 1925, 1927 - 1928, 1933, 1938 - 1941, 1963 - 1988

Date	Jan.	Feb.	March	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.3	0	0	3.4	4.4	5.9	3.9	1.6	1.5	2.4	3.7	4.4
2	1.3	0	0	3.4	6.3	5.8	3.8	1.6	1.5	2.7	3.8	4.4
3	1.3	0	0	3.4	6.8	5.8	3.7	1.6	1.4	2.9	3.8	4.4
4	1.3	0	0	3.3	6.7	5.8	3.6	1.6	1.4	3	3.8	4.3
5	1.3	0	0	3.3	6.7	5.7	3.5	1.6	1.4	3	3.8	4.3
6	0.9	0	0	3.3	6.7	5.7	3.5	1.5	1.4	3	3.8	4.4
7	0.4	0	0	3.2	6.6	5.7	3.4	1.6	1.4	3	3.8	4.3
8	0	0	0	3.2	6.6	5.7	3.3	1.6	1.4	3	3.8	4.4
9	0	0	0	3.3	6.6	5.6	3.2	1.6	1.1	3.1	3.8	4.2
10	0	0	0	3.3	6.5	5.5	3.1	1.6	0.5	3.5	3.8	3.9
11	0	0	0.7	3.5	6.5	5.5	3.1	1.4	0.3	3.8	3.9	3.7
12	0	0	0.6	3.6	6.5	5.4	3	1.4	0.2	3.8	3.9	3.5
13	0	0	0.6	4	6.5	5.3	2.9	1.4	0.2	3.7	3.9	3.2
14	0	0	0.7	3.3	6.4	5.2	2.8	1.4	0.1	3.7	3.9	3
15	0	0	1	4	6.4	5.1	2.7	1.4	0.1	3.9	4.1	2.8
16	0	0	4.4	4	6.4	5.1	2.7	1.4	0.1	3.8	3.9	2.6
17	0	0	5.8	3.6	6.3	5	2.6	1.4	0.1	3.7	4.1	2.3
18	0	0	4.8	5.3	6.3	4.9	2.5	1.3	0.2	3.7	4.1	2.1
19	0	0	4.5	4.9	6.3	4.8	2.5	1.3	0.2	3.7	4.1	1.9
20	0	0	4.2	4.9	6.2	4.8	1.4	1.3	0.2	3.6	4.1	1.6
21	0	0	3.6	5.1	6.2	4.7	1.4	1.3	0.5	3.6	4.1	1.4
22	0	0	3.7	5.1	6.2	4.6	1.4	1.3	1	3.7	4.1	1.2
23	0	0	3.6	5.1	6.1	4.6	1.4	1.3	1.9	3.6	4.2	0.9
24	0	0	3.2	5	6.1	4.5	1.6	1.3	2	3.6	4.2	0.7
25	0	0	3.6	5	6.1	4.4	1.6	1.9	2.1	3.7	4.2	0.5
26	0	0	3.6	4.6	6	4.5	1.6	1.9	2.7	3.7	4.3	0.2
27	0	0	3.6	4.7	6	4.2	1.6	1.9	2.7	3.7	3.9	0
28	0	0	3.5	4.8	6	4.2	1.6	1.9	2.7	3.6	4.4	0
29	0	0	3.5	4.5	6	4.1	1.6	1.8	2.6	3.6	4.3	0
30	0	---	3.5	4.5	5.9	4	1.7	1.8	2.5	3.7	4.4	0
31	0	---	3.5	---	5.9	---	1.6	1.8	---	3.7	---	0
Total	7.8	0	66.2	122.4	194.2	151.9	78.3	47.8	35.4	107.2	120	74.6
Mean	0.3	0	2.1	4.1	6.3	5.1	2.5	1.5	1.2	3.5	4	2.4
Max.	1.3	0	5.8	5.3	6.8	5.9	3.9	1.9	2.7	3.9	4.4	4.4
Min.	0	0	0	3.2	4.4	4	1.4	1.3	0.1	2.4	3.7	0
A.F.	20	0	130	240	390	300	160	90	70	210	240	150
Total 12 Months	---	---	2000	A.F.								

Appropriation: D 47

REPUBLICAN RIVER BASIN

CULBERTSON CANAL from Frenchman River - 1988
 Gage Location: SW1/4NW1/4 Sec. 32-5-33 W.
 near Fallsdale
 Measuring Device: Stage recorder and Parshall flume
 Period of Record: 1920 - 1988

Date	Apr.	May	June	July	Aug.	Sept.
1	0	54	54	215	169	0
2	0	64	56	158	185	0
3	0	61	53	154	190	0
4	0	64	54	132	188	0
5	0	67	54	125	187	0
6	0	59	59	148	178	0
7	0	54	64	158	172	0
8	0	48	62	166	170	0
9	0	54	73	159	158	0
10	0	54	57	156	157	0
11	0	54	56	139	156	0
12	0	54	56	127	151	0
13	0	55	54	123	148	0
14	0	53	47	117	155	0
15	0	52	49	117	156	0
16	0	50	52	119	168	0
17	0	48	52	121	191	0
18	0	48	50	104	212	0
19	0	51	49	115	236	0
20	0	54	80	121	150	0
21	24	59	127	103	99	0
22	55	55	176	89	82	0
23	54	49	207	88	73	0
24	50	48	221	89	65	0
25	54	50	225	88	52	0
26	57	57	226	86	55	0
27	55	60	235	111	43	0
28	53	55	242	129	36	0
29	54	52	243	141	39	0
30	54	50	235	142	30	0
31	---	53	---	143	0	---
Total	510	1686	3268	3983	4051	0
Mean	17	54	109	128	131	0
Max.	57	67	243	215	236	0
Min.	0	48	47	86	0	0
A.F.	1010	3340	6480	7900	8040	0
Total 6 Months	---	---	2670	A.F.	---	---

Appropriations: D-24, A-3869AR, A-6214, A-6225H,
 A-9697, A-9782, A-9802, A-13016,
 A-14249, A-15678, A-15839

RED WILLOW CANAL from Red Willow Creek - 1988
 Gage Location: SW1/4SE1/4 Sec. 25-4-29 W.
 near Red Willow
 Measuring Device: Stage recorder and orifice
 Period of Record: 1963 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	40	70	31
2	0	0	34	79	9.8
3	0	0	34	80	0
4	0	0	29	59	0
5	0	0	28	42	0
6	0	0	41	39	0
7	0	0	51	38	0
8	0	0	62	38	0
9	0	19	51	38	0
10	0	26	42	45	0
11	0	27	37	44	0
12	0	26	35	38	0
13	0	26	38	12	0
14	0	28	39	0	0
15	0	37	61	8.6	0
16	0	50	65	18	0
17	0	62	65	21	0
18	0	65	66	18	0
19	0	68	23	23	0
20	0	76	14	27	0
21	0	88	12	27	0
22	0	99	12	32	0
23	0	103	12	51	0
24	0	100	12	63	0
25	0	98	17	63	0
26	0	99	30	56	0
27	0	95	35	52	0
28	0	80	53	50	0
29	0	77	71	48	0
30	0	58	72	41	0
31	0	---	70	36	---
Total	0	1407	1251	1256.6	40.8
Mean	0	47	40	41	1
Max.	0	103	72	80	31
Min.	0	0	12	0	0
A.F.	0	2790	2480	2490	80
Total 5 Months	---	---	7840	A.F.	---

Appropriations: A-3869CR, A-6216, A-6225J,
 A-10195, A-11532, A-12068,
 A-12201, A-13230, A-14156,
 A-14178, A-15806, A-15813

RIVERSIDE CANAL from Frenchman River - 1988
 Gage Location: NE1/4SE1/4 Sec. 33 4-32 W.
 near Culbertson
 Measuring Device: Stage Recorder
 Period of Record: 1920 - 1925, 1927, 1937 - 1941,
 1953 - 1958, 1963 - 1988

Date	June	July	Aug.	Sept.	Oct.
1	0	13	12	14	17
2	0	11	12	14	6
3	0	9	11	14	0
4	0	7.7	12	14	0
5	0	7.3	12	14	0
6	0	6.3	12	13	0
7	0	7.1	11	14	0
8	0	7.1	11	14	0
9	0	14	10	14	0
10	0	14	9.9	14	0
11	0	12	8.2	14	0
12	0	13	8.9	14	0
13	4.9	11	1.5	14	0
14	11	8.9	0	15	0
15	11	0	0	15	0
16	12	0	0	15	0
17	13	0	0	15	0
18	13	0	0	15	0
19	13	3.4	0	15	0
20	13	0	0	15	0
21	14	0	0	15	0
22	14	0	0	15	0
23	16	0	3.4	15	0
24	16	0	12	16	0
25	16	6.7	12	16	0
26	16	16	12	15	0
27	16	15	12	15	0
28	16	14	13	16	0
29	15	12	13	16	0
30	15	12	13	17	0
31	---	11	14	---	0
Total	244.9	231.5	235.9	442	23
Mean	8.2	7.5	7.6	14.7	0.7
Max.	16	16	14	17	17
Min.	0	0	0	13	0
A.F.	490	460	470	880	50
Total 5	---	2350	A.F.	---	---

Appropriations: D-18, A-1674

BARTLEY CANAL from Republican River - 1988
 Gage Location: NW1/4SW1/4 Sec. 16-3-27 W.
 near Indianola
 Measuring Device: Stage recorder and 8 ft. Parshall flume
 Period of Record: 1955 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	27	95	25
2	0	0	21	94	7.1
3	0	0	21	96	0
4	0	0	25	57	0
5	0	0	32	23	0
6	0	0	49	18	0
7	0	0	65	18	0
8	0	0	62	16	0
9	0	0	50	15	0
10	0	0	46	15	0
11	0	0	33	24	0
12	0	0	29	47	0
13	0	0	28	32	0
14	0	30	31	18	0
15	0	30	50	16	0
16	0	29	58	15	0
17	0	44	60	15	0
18	0	60	57	15	0
19	0	61	32	15	0
20	0	77	14	15	0
21	0	99	15	15	0
22	0	114	15	45	0
23	0	120	14	89	0
24	0	123	14	108	0
25	0	124	20	108	0
26	0	124	40	98	0
27	0	119	69	93	0
28	0	114	91	92	0
29	0	105	95	82	0
30	0	64	97	66	0
31	0	---	97	41	---
Total	0	1437	1357	1496	32.1
Mean	0	48	44	48	1
Max.	0	124	97	108	25
Min.	0	0	14	15	0
A.F.	0	2850	2690	2970	60
Total 5 Months	---	---	8570	A.F.	---

Appropriations: A-3869DR, A-6217, A-6225K, A-10196,
 A-11041, A-11533, A-11920, A-13229,
 A-14158, A-14179, A-15803, A-15812

CAMBRIDGE CANAL from Republican River - 1988
 Gage Location: SE1/4NE1/4 Sec. 26-4-25 W. near Cambridge
 Measuring Device: Stage recorder and 15 ft. Parshall flume
 Period of Record: 1951 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	73	317	64
2	0	0	67	333	17
3	0	0	64	315	0
4	0	0	73	220	0
5	0	0	109	156	0
6	0	26	149	131	0
7	0	61	233	129	0
8	0	75	271	120	0
9	0	84	214	114	0
10	0	83	183	108	0
11	0	83	189	116	0
12	0	83	198	136	0
13	0	94	227	73	0
14	0	106	258	44	0
15	0	133	284	50	0
16	0	164	293	47	0
17	0	215	294	65	0
18	0	233	302	62	0
19	0	234	155	133	0
20	0	262	68	166	0
21	0	311	67	165	0
22	0	320	58	243	0
23	0	325	52	323	0
24	0	321	53	337	0
25	0	322	104	305	0
26	0	320	203	229	0
27	0	326	296	194	0
28	0	327	326	194	0
29	0	311	320	146	0
30	0	152	313	90	0
31	0	---	308	70	---
Total	0	4971	5804	5139	81
Mean	0	166	187	166	3
Max.	0	327	326	337	64
Min.	0	0	52	44	0
A.F.	0	9860	11510	10190	160
Total 5 Months	---	---	31720	A.F.	---

Appropriations: A-3889E, A-6218, A-6225L, A-9479, A-9763, A-10591, A-11041, A-12067, A-12200, A-13228, A-14159, A-14181, A-15131, A-15137, A-15804

FRANKLIN CANAL from Republican River - 1988
 Gage Location: NW1/4NE1/4 Sec. 11-1-17 W. Below Harlan County Dam
 Measuring Device: Stage recorder and orifice
 Period of Record: 1954 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	169	248	132
2	0	0	165	252	120
3	0	0	165	251	102
4	0	0	163	247	97
5	0	0	181	242	97
6	0	0	229	240	49
7	0	0	252	238	0
8	0	0	252	238	0
9	0	0	238	243	0
10	0	70	230	252	0
11	0	105	216	245	0
12	0	35	206	219	0
13	0	27	228	75	0
14	0	104	250	0	0
15	0	132	250	64	0
16	0	174	248	124	0
17	0	198	248	139	0
18	0	224	237	139	0
19	0	241	154	153	0
20	0	248	111	177	0
21	0	248	111	197	0
22	0	246	111	232	0
23	0	249	111	242	0
24	0	252	129	248	0
25	0	252	170	240	0
26	0	251	217	207	0
27	0	250	239	170	0
28	0	249	250	154	0
29	0	250	249	137	0
30	0	210	247	137	0
31	0	---	246	136	---
Total	0	4015	6272	5886	597
Mean	0	134	202	190	20
Max.	0	252	252	252	132
Min.	0	0	111	0	0
A.F.	0	7940	12460	11670	1100
Total 5 Months	---	---	33700	A.F.	---

Appropriations: A-2691A, A-2691BN, A-4216, A-6221, A-6225D, A-8259, A-9623, A-9724, A-10964, A-12798, A-13268, A-14182, A-14183, A-15488, A-15518, A-16099, A-16108

NAPONEE CANAL from Republican River - 1988
 Gage Location: NE1/4NE1/4 Sec. 14-1-17 W. Below Harlan County Dam
 Measuring Device: Sparling Meter
 Period of Record: 1955 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	0	36	0
2	0	0	0	33	0
3	0	0	0	31	0
4	0	0	0	31	0
5	0	0	8.1	31	0
6	0	0	23	28	0
7	0	0	34	26	0
8	0	0	36	26	0
9	0	3.8	36	28	0
10	0	0	36	30	0
11	0	0	36	31	0
12	0	0	36	24	0
13	0	10	34	6.4	0
14	0	21	31	0	0
15	0	27	28	0	0
16	0	30	26	0	0
17	0	31	25	0	0
18	0	36	28	0	0
19	0	38	12	0	0
20	0	38	0	0	0
21	0	38	0	5.3	0
22	0	38	0	15	0
23	0	38	0	17	0
24	0	36	0	18	0
25	0	33	8.6	15	0
26	0	33	17	13	0
27	0	33	23	10	0
28	0	35	33	8	0
29	0	36	36	3.8	0
30	0	18	36	0	0
31	0	---	36	0	---
Total	0	572.8	618.7	466.5	0
Mean	0	19	20	15	0
Max.	0	38	36	36	0
Min.	0	0	0	0	0
A.F.	0	1140	1230	930	0
Total 5 Months	---	---	3300	A.F.	---

Appropriations: A-4217, A-6620, A-6225N, A-9483, A-9722, A-10965, A-13269, A-16148, A-16158

FRANKLIN PUMP CANAL from Republican River - 1988
 Gage Location: NW1/4NE1/4 Sec. 10-1-14 W. near Franklin
 Measuring Device: Stage recorder and 4 ft. Parshall flume
 Period of Record: 1954 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	14	39	12
2	0	0	14	40	4.7
3	0	0	15	39	0
4	0	0	13	40	0
5	0	0	21	40	0
6	0	0	29	38	0
7	0	0	40	37	0
8	0	0	40	36	0
9	0	0	40	38	0
10	0	0	40	39	0
11	0	0	41	38	0
12	0	0	40	38	0
13	0	16	38	1.2	0
14	0	27	39	0	0
15	0	28	38	0	0
16	0	27	38	0	0
17	0	35	39	4.8	0
18	0	42	41	13	0
19	0	44	20	12	0
20	0	45	0	14	0
21	0	47	0	14	0
22	0	48	0	14	0
23	0	48	0	20	0
24	0	47	4.5	24	0
25	0	47	21	24	0
26	0	47	35	22	0
27	0	48	41	13	0
28	0	48	43	14	0
29	0	48	44	14	0
30	0	30	42	12	0
31	0	---	40	11	---
Total	0	722	870.5	689	16.7
Mean	0	24	28	22	1
Max.	0	48	44	40	12
Min.	0	0	0	0	0
A.F.	0	1430	1730	1370	10
Total 5 Months	---	---	4540	A.F.	---

Appropriations: A-4227, A-6222, A-6225P, A-10962, A-15268, A-16150, A-16158

REPUBLICAN RIVER BASIN

COURTLAND CANAL from Republican River - 1988
Gage Location: N1/4S1/4 Sec. 7 E 9 W.
near Guide Rock

Measuring Device: Stage recorder and orifice
Period of Record: 1952 - 1988

Date	May	June	July	Aug.	Sept.	OCT.
1	0	77	658	451	256	134
2	0	78	679	437	203	109
3	0	118	686	424	165	100
4	0	145	694	424	126	92
5	0	151	694	408	159	89
6	0	153	704	399	153	91
7	0	155	710	402	132	96
8	0	154	710	405	116	100
9	0	154	710	405	96	99
10	0	211	717	390	83	96
11	9.9	264	701	386	82	91
12	46	259	713	388	74	89
13	78	345	718	379	64	88
14	80	404	709	315	64	88
15	79	473	706	276	96	88
16	81	522	710	283	119	89
17	83	557	710	288	156	81
18	84	548	710	289	121	32
19	83	548	669	289	114	22
20	82	633	541	284	104	0
21	79	643	369	282	98	0
22	68	631	267	287	94	0
23	78	689	255	289	92	0
24	87	701	260	268	91	0
25	87	701	303	253	90	0
26	87	701	359	253	88	0
27	85	707	391	255	86	0
28	81	710	428	255	90	0
29	77	705	436	259	221	0
30	75	717	443	257	242	0
31	74	---	450	256	---	0
Total	1583.9	12854	17810	10236	3675	1674
Mean	51	428	575	330	123	54
Max.	87	717	718	451	256	134
Min.	0	77	255	253	64	0
A.F.	3140	25500	35330	20300	7290	3320
Total 6 Months	----	94880	A.F.			

Appropriations: A-4222, A-6225S, A-10963, A-13210,
A-13270, A-16149, A-16157

COURTLAND CANAL from Republican River - 1988
Gage Location: N1/4S1/4 Sec. 32 E 9 W.

at Nebraska-Kansas State Line
Measuring Device: Stage recorder and Parshall flume
Period of Record: 1954 - 1988

Date	May	June	July	Aug.	Sept.	Oct.	Nov.
1	0	34	649	355	207	113	4.5
2	0	43	649	354	159	88	5.5
3	0	50	648	344	126	79	0.3
4	0	101	645	343	122	71	0
5	0	106	635	332	121	68	0
6	0	102	623	317	131	70	0
7	0	109	620	318	112	75	0
8	0	110	628	323	91	79	13
9	0	111	650	327	76	78	8.4
10	0	153	651	311	57	75	0.22
11	0	198	648	304	57	70	0
12	14	208	646	305	67	68	0
13	52	273	637	322	59	67	0
14	56	327	628	276	74	67	0
15	57	389	622	222	100	67	0
16	39	456	613	227	141	68	0
17	4.3	493	618	231	135	60	0
18	17	498	621	229	100	11	0
19	45	492	635	234	93	1.5	0
20	46	508	525	234	83	0	0
21	47	531	330	235	77	0	0
22	36	556	216	237	73	0	0
23	36	602	196	241	71	0	0
24	51	625	203	224	70	0	0
25	50	624	229	209	69	0	0
26	49	625	272	205	67	0	0
27	50	629	311	206	65	0	0
28	47	632	339	208	69	0	0
29	44	632	346	210	200	0	0
30	43	642	349	208	221	0	0
31	43	---	355	207	---	0	---
Total	826.3	10859	15737	8298	3093	1275.5	31.92
Mean	26.7	362	508	268	103	41.1	1.06
Max.	57	642	651	355	221	113	13
Min.	0	34	196	205	57	0	0
A.F.	1640	21540	31210	16460	6130	2530	60
Total 7 Months	----	79570	A.F.				

Appropriations: D-24, A-3869AR, A-6214, A-6225H,
A-9697, A-9782, A-9802, A-13016,
A-14249, A-15678, A-15839

Values furnished by the U. S. Geological Survey

SUPERIOR CANAL from Republican River - 1988
Gage Location: NW1/4NW1/4 Sec. 8-1-9 W. near Guide Rock
Measuring Device: Stage recorder and 12 ft. Parshall flume
Period of Record: 1951 - 1988

Date	May	June	July	Aug.	Sept.
1	0	0	136	141	47
2	0	0	129	139	49
3	0	0	129	138	18
4	0	0	126	140	0
5	0	0	127	142	0
6	0	0	134	140	0
7	0	0	139	140	0
8	0	0	140	136	0
9	0	0	136	129	0
10	0	48	125	128	0
11	0	85	124	128	0
12	0	90	124	128	0
13	0	88	122	119	0
14	0	109	123	87	0
15	0	133	125	83	0
16	0	138	133	82	0
17	0	142	139	82	0
18	0	139	140	83	0
19	0	137	103	83	0
20	0	137	70	83	0
21	0	137	73	81	0
22	0	132	73	82	0
23	0	133	72	77	0
24	0	139	73	72	0
25	0	139	90	67	0
26	0	140	108	62	0
27	0	142	119	61	0
28	0	141	127	60	0
29	0	142	133	60	0
30	0	142	138	59	0
31	0	---	141	49	---
Total	0	2633	3671	3061	114
Mean	0	88	118	99	4
Max.	0	142	141	142	49
Min.	0	0	70	49	0
A.F.	0	5220	7280	6070	230
Total 5 Months	----	18800	A.F.		

Appropriations: A-2691CR, A-4221, A-6223, A-6225R,
A-9723, A-9875, A-10966, A-13271,
A-16100, A-16107

**MISCELLANEOUS
MEASUREMENTS OF
RIVERS AND STREAMS**

1988

CHEYENNE RIVER BASIN

(HAT CREEK)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>HAT CREEK</u>					
HAT CREEK	06/03/88	0.10	SOW BELLY CREEK	10/18/88	0.41
BELOW WEST HAT CREEK CANAL	09/26/88	0.79	BELOW JIM CREEK JUNCTION		
SE1/4NE1/4 SEC. 16-32-55 W.			SE1/4SE1/4 SEC. 4-33-55 W.		
HAT CREEK	06/03/88	3.5	SQUAM CREEK	09/26/88	0
ABOVE COFFEE CANAL			NEAR MONTROSE		
NW1/4NW1/4 SEC. 35-33-55 W.			NW1/4SE1/4 SEC. 36-34-57 W.		
HAT CREEK	06/03/00	0	CHERRY CREEK	06/16/88	0
BELOW COFFEE FLOOD CANAL	09/26/88	1.1	AT MERLO RESERVOIR		
SE1/4SE1/4 SEC. 11-33-55 W.			SW1/4NE1/4 SEC. 29-33-54 W.		
SOW BELLY CREEK	06/03/88	2.8	HAT CREEK	01/06/88	0.50
BELOW SOW BELLY CANAL			AT MONTROSE	06/03/88	0
SE1/4SW1/4 SEC. 7-32-55 W.			NE1/4SE1/4 SEC. 13-34-55 W.	09/26/88	0
SOW BELLY CREEK	06/03/88	0.78		09/30/88	0
BELOW ANDREWS SUPPLY CANAL	09/26/88	1.4		10/13/88	0.50
SE1/4SW1/4 SEC. 5-32-55 W.				12/06/88	0.02
SOW BELLY CREEK	06/03/88	0.10	ANTELOPE CREEK	06/16/88	0
ABOVE MONTGOMERY CANAL	10/13/88	0	NEAR MONTROSE		
NE1/4SE1/4 SEC. 21-33-55 W.			SE1/4SE1/4 SEC. 4-33-57 W.		
SOW BELLY CREEK	09/26/88	0	HAT CREEK	09/26/88	0
SEC. 17-33-55 W.			AT WASSERBURGER PUMP		
PRAIRIE DOG CREEK	06/16/88	0.16	SEC. 24-34-55 W.		
NEAR HARRISON			HAT CREEK	01/06/88	0
NW1/4SE1/4 SEC. 17-33-55 W.			NEAR SEMROSKA CANAL	01/26/88	1.5
WARBONNET CREEK	06/16/88	0.39		09/13/88	0
BELOW WARBONNET CANAL	09/30/88	0.50		10/24/88	0.66
NW1/4SW1/4 SEC. 21-33-56 W.				12/06/88	0
SOW BELLY CREEK	09/26/88	1.4	WHITE HEAD CREEK	06/03/88	1.6
BELOW ZIMMERMAN CANAL			ABOVE HAT CREEK JUNCTION	10/24/88	0
SEC. 34-33-55 W.			NE1/4NE1/4 SEC. 4-34-54 W.		
JIM CREEK	09/30/88	0	HAT CREEK	01/26/88	0
AT JUNCTION	10/04/88	0.20	NEAR GEISERS BRIDGE	06/03/88	4.2
WITH WARBONNET CREEK	10/16/88	1.1	SW1/4SE1/4 SEC. 28-35-54 W.	10/24/88	0
NW1/4SW1/4 SEC. 10-33-56 W.	12/06/88	0			
JIM CREEK	09/30/88	0.33	HAT CREEK	01/26/88	0
ABOVE HIGHLINE CANAL			NEAR ARDMORE, SOUTH DAKOTA	06/03/88	8.6
NE1/4SW1/4 SEC. 13-33-57 W.				10/20/88	0
JIM CREEK	09/30/88	0.21		10/24/88	0
ABOVE CALADONIA RESERVOIR				11/09/88	1.2
SEC. 13-33-57 W.				12/06/88	0
JIM CREEK	09/30/88	0			
ABOVE DOUT RESERVOIR					
NW1/4NW1/4 SEC. 18-33-56 W.					
JIM CREEK	06/16/88	0.08			
NEAR HARRISON					
SW1/4NW1/4 SEC. 8-33-56 W.					
JIM CREEK	09/30/88	0			
BELOW DOUT RESERVOIR					
SEC. 7-33-56 W.					
MONROE CREEK	09/30/88	0.99			
BELOW BIG MONROE CANAL					
SW1/4NE1/4 SEC. 33-33-56 W.					
MONROE CREEK	06/16/88	0.05			
ABOVE JORDAN RESERVOIR					
NW1/4NW1/4 SEC. 23-33-56 W.					
SOW BELLY CREEK	06/03/88	0.31			
BELOW JIM CREEK JUNCTION	09/23/88	0			
SE1/4SE1/4 SEC. 4-33-55 W.					

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>WHITE RIVER</u>			<u>WHITE RIVER</u>		
WHITE RIVER NEAR HARRISON SW1/4SW1/4 SEC. 25-31-55 W.	04/20/88	1.4	WHITE RIVER NEAR STATE LINE NW1/4SE1/4 SEC. 6-34-47 W.	09/21/88	5.8
WHITE RIVER NEAR GLEN NE1/4NW1/4 SEC. 1-30-54 W.	04/20/88	8.8	WHITE CLAY CREEK NEAR RUSHVILLE SE1/4SE1/4 SEC. 2-33-45 W.	05/09/88	2.1
DEEP CREEK NEAR GLEN SE1/4SE1/4 SEC. 32-31-53 W.	04/20/88	0.65	WHITE CLAY CREEK NEAR WHITE CLAY SE1/4SE1/4 SEC. 24-35-45 W.	05/09/88	14
SOLDIERS CREEK ABOVE FORT ROBINSON RESERVOIR NW1/4NW1/4 SEC. 4-31-53 W.	04/20/88	4.4			
SOLDIERS CREEK ABOVE FORT ROBINSON CANAL SW1/4NW1/4 SEC. 12-31-53 W.	04/20/88	1.7			
WHITE RIVER BELOW WHITNEY DIVERSION NE1/4NE1/4 SEC. 26-32-52 W.	05/05/88	33			
WHITE CLAY CREEK NEAR CRAWFORD NW1/4NE1/4 SEC. 2-31-52 W.	05/05/88	3.5			
SQUAW CREEK ABOVE SQUAW CREEK RESERVOIR SE1/4SE1/4 SEC. 12-31-52 W.	05/05/88 10/04/88	0.99 0.12			
SQUAW CREEK BELOW SQUAW CREEK RESERVOIR NW1/4NW1/4 SEC. 12-31-52 W.	10/04/88	0.13			
SQUAW CREEK NW1/4NW1/4 SEC. 1-31-52 W.	10/04/88	0			
SPRING CREEK NEAR CRAWFORD NE1/4NE1/4 SEC. 13-32-52 W.	05/05/88	0.44			
LITTLE COTTONWOOD CREEK NEAR CRAWFORD NE1/4NE1/4 SEC. 8-32-51 W.	05/05/88	2.1			
ASH CREEK, EAST, ABOVE BARRON CANAL NE1/4SW1/4 SEC. 32-32-50 W.	10/28/88	2.0			
ASH CREEK NEAR WHITNEY NW1/4NW1/4 SEC. 7-32-50 W.	05/05/88	3.6			
INDIAN CREEK NEAR WHITNEY SW1/4NW1/4 SEC. 4-32-50 W.	05/05/88	2.0			
BIG COTTONWOOD CREEK NEAR WHITNEY SW1/4SW1/4 SEC. 22-33-50 W.	05/05/88	1.4			
DEAD HORSE CREEK NEAR CHADRON NW1/4NW1/4 SEC. 32-33-49 W.	05/05/88	3.5			
BIG BORDEAUX CREEK NW1/4NW1/4 SEC. 26-32-48 W.	05/11/88	0.72			
BIG BORDEAUX CREEK BELOW THOMAS CANAL SE1/4SE1/4 SEC. 34-34-48 W.	09/21/88	3.0			

NIOBRARA RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER NIOBRARA RIVER</u>			<u>LOWER NIOBRARA RIVER</u>		
NIOBRARA RIVER SOUTH OF HARRISON SW1/4NE1/4 SEC. 9-29-56 W.	05/10/88	8.7	BRUSH CREEK NEAR ATKINSON NE1/4NW1/4 SEC. 1-31-14 W.	07/14/88	2.9
COTTONWOOD CREEK AT DUNLAP NE1/4NE1/4 SEC. 27-29-48 W.	05/11/88	1.5	BRUSH CREEK, WEST FORK, NEAR ATKINSON NE1/4NE1/4 SEC. 4-31-14 W.	07/14/88	0.80
BOX BUTTE CREEK NEAR DUNLAP NW1/4NW1/4 SEC. 16-28-46 W.	05/11/88	7.8	BRUSH CREEK, EAST FORK, NEAR ATKINSON SW1/4NW1/4 SEC. 30-32-13 W.	07/14/88	1.8
PINE CREEK NEAR RUSHVILLE SW1/4SW1/4 SEC. 27-30-44 W.	05/09/88	27	BRUSH CREEK NEAR CATALPA SW1/4NW1/4 SEC. 4-32-13 W.	07/14/88	14
RUSH CREEK NEAR RUSHVILLE SE1/4SE1/4 SEC. 10-31-44 W.	05/09/88	0.69	TURKEY CREEK NEAR CATALPA NW1/4SW1/4 SEC. 28-33-12 W.	07/14/88	3.6
ANTELOPE CREEK SOUTHWEST OF GORDON SE1/4SE1/4 SEC. 21-32-40 W.	05/09/88	1.3	EAGLE CREEK, MID BRANCH, NEAR ATKINSON NE1/4NE1/4 SEC. 9-30-13 W.	07/14/88	9.7
<u>MIDDLE REACH OF THE NIOBRARA RIVER</u>			EAGLE CREEK, NORTH BRANCH, NEAR ATKINSON NE1/4NE1/4 SEC. 25-31-13 W.	07/14/88	4.1
LONG PINE CREEK NEAR LONG PINE SW1/4NW1/4 SEC. 20-29-20 W.	07/13/88	14	EAGLE CREEK, MIDDLE BRANCH NEAR EMMET SW1/4NW1/4 SEC. 30-31-12 W.	07/14/88	10
BONE CREEK AT AINSWORTH NW1/4SW1/4 SEC. 23-30-22 W.	07/13/88	4.9	EAGLE CREEK, EAST BRANCH, NEAR EMMETT NW1/4NE1/4 SEC. 31-31-12 W.	07/14/88	7.2
BONE CREEK NEAR LONG PINE SW1/4SW1/4 SEC. 34-31-21 W.	07/13/88	59	EAGLE CREEK NEAR MIDWAY SW1/4NW1/4 SEC. 4-31-12 W.	07/14/88	28
SAND DRAW CREEK NEAR AINSWORTH NE1/4NE1/4 SEC. 6-30-22 W.	07/13/88	9.1	HONEY CREEK NEAR MIDWAY SE1/4SW1/4 SEC. 26-31-12 W.	07/14/88	0.11
SAND DRAW, ABOVE AINSWORTH IRRIGATION WASTEWAY NW1/4NW1/4 SEC. 29-31-21 W.	07/13/88	16	REDBIRD CREEK NEAR O'NEILL SE1/4SW1/4 SEC. 23-30-11 W.	07/13/88	2.2
WILLOW CREEK NEAR NEWPORT NW1/4SW1/4 SEC. 6-32-17 W.	07/13/88	4.9	REDBIRD CREEK, TRIBUTARY TO, NEAR O'NEILL SW1/4SE1/4 SEC. 23-30-11 W.	07/13/88	0.70
ASH CREEK NEAR NEWPORT NW1/4NE1/4 SEC. 34-32-17 W.	07/13/88	11	REDBIRD CREEK NEAR OPPORTUNITY NW1/4NE1/4 SEC. 12-31-11 W.	07/13/88	58
<u>KEYA PAHA RIVER</u>			BLACKBIRD CREEK NEAR MIDWAY SW1/4NW1/4 SEC. 32-31-11 W.	07/13/88 07/14/88	6.3 1.7
BURTON CREEK NEAR SPRINGVIEW NE1/4NW1/4 SEC. 14-33-20 W.	07/13/88	0	SPRING CREEK NEAR SCOTTVILLE NW1/4NW1/4 SEC. 7-31-10 W.	07/13/88	1.3
<u>LOWER NIOBRARA RIVER</u>			REDBIRD CREEK, TRIBUTARY TO, NEAR SCOTTVILLE NE1/4SE1/4 SEC. 4-31-10 W.	07/08/88	0.02
BIG SANDY CREEK NEAR STUART NE1/4NE1/4 SEC. 10-31-15 W.	07/14/88	7.4	LOUSE CREEK NEAR SCOTTVILLE SE1/4SW1/4 SEC. 36-32-10 W.	07/13/88	6.0
BIG SANDY CREEK NEAR DUSTIN NW1/4SE1/4 SEC. 3-32-15 W.	07/14/88	19	SQUAM CREEK NEAR PISHELVILLE SW1/4SW1/4 SEC. 7-32-8 W.	07/13/88	3.8
BIG SANDY CREEK NEAR DUSTIN SW1/4NE1/4 SEC. 12-33-14 W.	07/14/88	33			

NIOBRARA RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER NIOBRARA RIVER</u>		
STEEL CREEK NEAR PISHELVILLE SE1/4NE1/4 SEC. 18-32-8 W.	07/13/88	11
VERDIGRE CREEK, SO. BRANCH, NEAR ORCHARD NW1/4SE1/4 SEC. 9-28-8 W.	07/13/88	3.4
BIG SPRING CREEK NEAR ORCHARD NE1/4NE1/4 SEC. 22-28-8 W.	07/13/88	7.6
VERDIGRE CREEK, MID. BRANCH, NEAR VENUS NE1/4NE1/4 SEC. 13-29-9 W.	07/13/88	7.0
VERDIGRE CREEK, MID. BRANCH, NEAR VENUS NE1/4NE1/4 SEC. 18-29-8 W.	07/13/88	0.70
VERDIGRE CREEK, MID. BRANCH, NEAR VERDIGRE NW1/4SW1/4 SEC. 28-30-7 W.	07/13/88	19
VERDIGRE CREEK, NO. BRANCH, NEAR STAR NE1/4SE1/4 SEC. 15-30-9 W.	07/13/88	11

NORTH PLATTE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	
<u>STATE LINE TO PUMPKIN CREEK</u>			<u>STATE LINE TO PUMPKIN CREEK</u>			
FAIRFIELD SEEP SEC. 18-21-53 W.	08/04/88	2.6	SILVERNAIL DRAIN	11/02/88	6.2	
	08/18/88	2.4	SEC. 6-19-49 W.	12/08/88	4.9	
	09/01/88	2.1	<u>PUMPKIN CREEK</u>			
	09/15/88	3.0	BULL CANYON CREEK	09/14/88	0	
	09/29/88	1.8	NEAR HARRISBURG			
	10/12/88	1.8	SE1/4NE1/4 SEC. 4-19-57 W.			
	11/08/88	1.4	WILLOW CREEK	09/14/88	0	
	12/05/88	1.0	NEAR HARRISBURG			
			NE1/4NW1/4 SEC. 10-19-56 W.			
			PUMPKIN CREEK	06/07/88	4.3	
ALLIANCE DRAIN SEC. 20-22-53 W.	04/29/88	5.8	ABOVE SCOTT RESERVOIR	07/20/88	4.2	
	05/12/88	6.9	NE1/4NW1/4 SEC. 12-19-56 W.			
	05/27/88	9.2	PUMPKIN CREEK	06/07/88	8.0	
	06/09/88	10	BELOW SCOTT RESERVOIR	07/20/88	1.9	
	06/23/88	7.6	NE1/4NW1/4 SEC. 7-19-55 W.			
	07/07/88	3.1	PUMPKIN CREEK	06/07/88	8.4	
	07/21/88	3.6	AT GERING-KIMBALL HIGHWAY	07/20/88	2.6	
	08/04/88	4.3	SEC. 4-19-55 W.	09/14/88	0	
	08/18/88	5.3	PUMPKIN CREEK	07/20/88	3.4	
	09/01/88	6.3	ABOVE AIRDALE RES. NO. 1			
09/15/88	5.4	SE1/4NE1/4 SEC. 2-19-55 W.				
09/29/88	9.1	INDIAN SPRING CANYON	09/14/88	0		
CLEVELAND DRAIN SEC. 6-20-52 W.	01/14/88	0.38	NEAR HARRISBURG			
	02/18/88	0.80	NW1/4NW1/4 SEC. 15-19-54 W.			
	03/17/88	0.95	PUMPKIN CREEK	06/07/88	12	
	04/14/88	0.29	BELOW CARTER RANCH	09/14/88	0.77	
	10/06/88	14	SW1/4SE1/4 SEC. 11-19-54 W.			
	11/01/88	1.1	PUMPKIN CREEK	09/14/88	0.93	
	12/02/88	1.2	NW1/4SW1/4 SEC. 18-19-53 W.			
			PUMPKIN CREEK	09/14/88	1.8	
			NW1/4NW1/4 SEC. 22-19-53 W.			
			PUMPKIN CREEK	06/07/88	12	
DeGRAW DRAIN SEC. 24-20-51 W.	01/11/88	1.8	AT BANNER-MORRILL	07/20/88	6.1	
	02/02/88	2.3	COUNTY LINE			
	03/09/88	3.2	SEC. 25-19-53 W.			
	04/08/88	2.2	PUMPKIN CREEK	09/14/88	3.2	
	04/28/88	2.3	BELOW MUTUAL CANAL			
	05/12/88	2.2	SEC. 33-19-52 W.			
	05/25/88	6.0	LAWRENCE FORK	06/07/88	0.65	
	06/07/88	6.4	AT SCHULER-OLSON RANCH	09/02/88	0.25	
	06/22/88	5.6	SE1/4SW1/4 SEC. 21-18-52 W.			
	07/06/88	2.8	LAWRENCE FORK	09/02/88	2.3	
07/20/88	14	NEAR REDINGTON				
07/27/88	4.2	NE1/4NW1/4 SEC. 14-18-52 W.				
08/10/88	8.5	LAWRENCE FORK CREEK	09/02/88	0.02		
08/24/88	7.7	NEAR REDINGTON				
09/07/88	8.6	SW1/4SE1/4 SEC. 25-19-52 W.				
09/21/88	7.5	MIDDLE CREEK	09/02/88	0		
10/05/88	3.6	NEAR REDINGTON				
11/09/88	2.8	NE1/4NF1/4 SEC. 36-19-51 W.				
12/09/88	3.0	PUMPKIN CREEK	09/14/88	1.8		
INDIAN CREEK SEC. 19-20-50 W.	01/11/88	5.1	BELOW COURT HOUSE ROCK CANAL			
	02/02/88	4.8	SEC. 30-19-50 W.			
	03/09/88	4.4	GREENWOOD CREEK	09/16/88	2.9	
	04/08/88	3.6	NEAR DALTON			
	04/28/88	4.1	SW1/4SE1/4 SEC. 33-18-50 W.			
	10/05/88	18				
	11/09/88	6.8				
	12/09/88	6.1				
	DUGOUT CREEK, UPPER SEC. 20-20-50 W.	01/11/88	3.3			
		02/02/88	3.7			
03/09/88		2.8				
04/08/88		2.1				
04/28/88		1.8				
10/05/88		6.8				
11/02/88		5.8				
12/09/88		6.3				
SILVERNAIL DRAIN SEC. 6-19-49 W.		01/11/88	4.6			
		02/09/88	4.0			
	03/09/88	3.9				
	04/08/88	3.8				
	04/26/88	3.5				
	10/04/88	7.3				

NORTH PLATTE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>PUMPKIN CREEK</u>			<u>PUMPKIN CREEK TO KINGSLEY DAM</u>		
GREENWOOD CREEK NEAR REDINGTON SE1/4SW1/4 SEC. 3-18-50 W.	09/16/88	5.2	COLD WATER CREEK BELOW LISCO CANAL NE1/4NE1/4 SEC. 34-18-46 W.	10/25/88 12/08/88	3.7 3.5
GREENWOOD CREEK NEAR BRIDGEPORT SW1/4SW1/4 SEC. 26-19-50 W.	02/09/88 03/09/88 04/11/88 05/05/88 06/01/88 07/13/88 08/03/88 09/07/88 11/09/88 12/07/88	5.8 5.5 5.8 11 10 0 0 0 0.43 1.2	RUSH CREEK NEAR LODGEPOLE SW1/4NW1/4 SEC. 24-15-47 W.	09/09/88	0
PUMPKIN CREEK ABOVE HASS DAM NW1/4SW1/4 SEC. 23-19-50 W.	07/13/88 07/29/88 08/05/88 08/12/88 08/19/88 08/24/88 09/14/88	8.3 5.9 6.7 9.2 4.6 4.0 3.3	RUSH CREEK NEAR LISCO NE1/4NW1/4 SEC. 17-17-45 W.	02/09/88 03/01/88 04/06/88 05/10/88 06/06/88 07/08/88 08/01/88 09/09/88 11/10/88 12/06/88	1.0 2.2 0.79 2.8 2.9 1.4 0.40 0.43 1.2 1.5
PUMPKIN CREEK BELOW HASS DAM NE1/4NE1/4 SEC. 23-19-50 W.	07/29/88 08/05/88 08/12/88 08/19/88 08/24/88	0.85 0.24 3.7 0.42 0.23	LOST CREEK NORTH OF OSHKOSH NE1/4SE1/4 SEC. 26-17-44 W.	04/06/88 05/05/88 06/06/88 07/08/88 08/01/88 09/09/88 12/06/88	0 0 0 0 0 0 0
<u>PUMPKIN CREEK TO KINGSLEY DAM</u>			BLUE CREEK NEAR CRESCENT LAKE NE1/4SW1/4 SEC. 34-20-44 W.	09/13/88	21
PLUM CREEK NEAR BRIDGEPORT SE1/4NW1/4 SEC. 21-20-49 W.	09/15/88	0	ELDRIDGE SPRING NE1/4SE1/4 SEC. 33-20-44 W.	02/24/88	1.4
DEEP HOLES CREEK NEAR DALTON NW1/4NE1/4 SEC. 10-18-49 W.	09/19/88	0.08	BLUE CREEK SW1/4SE1/4 SEC. 14-19-44 W.	02/24/88	21
DEEP HOLES CREEK NEAR BROADWATER NE1/4SW1/4 SEC. 29-19-48 W.	09/16/88	0	BLUE CREEK NEAR DOG FLATS SW1/4SE1/4 SEC. 24-19-44 W.	09/13/88	0.70
CEDAR CREEK NEAR DALTON SW1/4SW1/4 SEC. 28-18-48 W.	09/19/88	0	BLUE CREEK NEAR OSHKOSH NW1/4SW1/4 SEC. 14-18-43 W.	09/16/88	56
CEDAR CREEK NEAR ARROW RESERVOIR SE1/4NE1/4 SEC. 28-18-48 W.	09/19/88	4.0	BLUE CREEK NEAR LEWELLEN NE1/4NW1/4 SEC. 32-18-42 W.	09/16/88	81
CEDAR CREEK NEAR TWIN ROCK RANCH NE1/4SW1/4 SEC. 27-18-48 W.	09/19/88	6.1	ASH HOLLOW CREEK NEAR OSHKOSH SE1/4SE1/4 SEC. 22-15-44 W.	09/06/88	0
CEDAR CREEK ABOVE BUCHANAN PUMP NW1/4NE1/4 SEC. 23-18-48 W.	09/19/88	35	ASH HOLLOW CREEK NEAR LEWELLEN SW1/4SW1/4 SEC. 14-15-42 W.	09/08/88	0
CEDAR CREEK NEAR BROADWATER SE1/4NE1/4 SEC. 11-18-48 W.	01/07/88 02/09/88 03/09/88 04/06/88 04/26/88 10/04/88 11/09/88 12/06/88	6.4 10.0 9.9 8.5 10 9.2 9.0 8.8	CLEAR CREEK NEAR LEWELLEN SE1/4SW1/4 SEC. 29-16-41 W.	01/13/88 02/08/88 03/08/88 04/06/88 05/06/88 06/06/88 07/08/88 08/01/88 09/09/88 10/14/88 11/10/88 12/08/88	9.0 8.8 8.8 8.3 8.7 7.8 4.7 4.6 5.3 5.3 8.3 8.4
COLD WATER CREEK BELOW LISCO CANAL NE1/4NE1/4 SEC. 34-18-46 W.	01/07/88 02/16/88 03/08/88 04/18/88 04/26/88 10/11/88	3.6 4.0 3.5 3.6 4.1 0.04	OTTER CREEK NEAR LEMOYNE SW1/4NE1/4 SEC. 5-15-40 W.	01/13/88 02/08/88 03/08/88 04/06/88	21 21 21 21

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>PUMPKIN CREEK TO KINGSLEY DAM</u>			<u>KINGSLEY DAM TO CONFLUENCE</u>		
OTTER CREEK	05/06/88	19	KINGSLEY DAM TOE DRAIN	10/25/88	0.39
NEAR LEMOYNE	06/06/88	20	NO. 1 STATION 100	10/25/88	2.1
SW1/4NE1/4 SEC. 5-15-40 W.	07/08/88	22	SEC. 3-14-38 W.	11/22/88	3.6
	08/01/88	20		11/22/88	0.56
	09/09/88	19		11/22/88	0.43
	10/14/88	21		11/22/88	1.5
	11/10/88	20		12/05/88	0.47
	12/08/88	21		12/05/88	3.9
				12/05/88	1.9
				12/05/88	0.48
SAND CREEK	01/13/88	3.7			
NEAR LEMOYNE	02/08/88	3.8			
SE1/4SW1/4 SEC. 3-15-40 W.	03/08/88	4.0	KINGSLEY DAM TOE DRAIN	07/21/88	1.1
	04/06/88	3.7	NO. 4 STATION 60		
	05/06/88	3.7	SEC. 3-18-45 W.		
	06/06/88	3.7			
	07/08/88	3.9	SUTHERLAND POND DRAIN	04/26/88	6.9
	08/01/88	4.0	AT KEYSTONE	05/12/88	6.3
	09/09/88	3.7	SE1/4NW1/4 SEC. 1-14-38 W.	05/27/88	5.7
	10/14/88	3.8		06/30/88	7.5
	11/10/88	3.7		07/14/88	5.5
	12/08/88	3.4		07/25/88	6.4
				08/29/88	5.5
LONERGAN CREEK	01/13/88	5.5		09/15/88	6.2
NEAR LEMOYNE	02/08/88	4.9		10/03/88	6.6
SEC. 17-15-39 W.	03/08/88	4.3			
	04/06/88	5.3	WHITE TAIL CREEK	04/26/88	28
	05/06/88	4.6	NEAR KEYSTONE	05/12/88	27
	06/06/88	4.6	SE1/4SE1/4 SEC. 36-15-38 W.	06/13/88	27
	07/08/88	6.1		06/30/88	27
	08/01/88	5.7		07/29/88	25
	09/09/88	5.2		08/15/88	27
	10/14/88	6.4		08/29/88	25
	11/10/88	6.6		09/15/88	44
	12/08/88	6.2		10/03/88	28
				12/05/88	26
KINGSLEY DAM TO CONFLUENCE					
KINGSLEY DAM TOE DRAIN	01/22/88	0.44	SKUNK CREEK	04/26/88	2.4
NO. 1 STATION 100	01/22/88	3.4	NEAR KEYSTONE	05/12/88	2.6
SEC. 3-14-38 W.	01/22/88	4.6	SE1/4SE1/4 SEC. 1-14-37 W.	06/13/88	2.3
	01/22/88	0		06/30/88	0.32
	02/08/88	0.85		07/14/88	2.3
	02/08/88	4.1		07/29/88	2.0
	02/08/88	0.59		08/15/88	2.0
	02/08/88	2.8		08/29/88	1.7
	03/29/88	4.3		09/15/88	3.9
	03/29/88	2.5		10/03/88	2.8
	03/29/88	0.54	GRAVEL CREEK	04/26/88	2.8
	04/13/88	4.5	NW1/4SW1/4 SEC. 9-14-36 W.	05/12/88	2.6
	04/13/88	2.0		06/13/88	2.7
	04/13/88	0.90		06/30/88	3.3
	04/13/88	0.46		07/14/88	3.5
	05/12/88	3.2		07/29/88	3.0
	05/12/88	4.4		08/15/88	2.8
	05/12/88	1.4		08/29/88	2.9
	05/12/88	0.76		09/12/88	2.7
	06/30/88	3.9		10/03/88	2.6
	06/30/88	1.5			
	06/30/88	2.4	SARBEN SLOUGH	04/28/88	7.6
	06/30/88	0.82	NEAR SARBEN	05/10/88	8.6
	07/21/88	4.8	SEC. 20-14-35 W.	05/24/88	10
	07/21/88	2.1		06/07/88	7.4
	07/21/88	0.77		06/21/88	7.6
	08/15/88	2.5		07/05/88	8.3
	08/15/88	0.81		07/19/88	8.0
	08/15/88	4.0		08/15/88	6.8
	08/15/88	0.45		08/29/88	6.5
	08/29/88	1.0		09/12/88	5.7
	09/15/88	0.52		10/03/88	6.6
	09/15/88	4.3			
	09/15/88	1.9	CEDAR BRANCH CREEK	04/28/88	2.1
	09/15/88	0.37	NEAR NEVINS	05/10/88	2.0
	10/25/88	3.6	SEC. 17-14-35 W.	05/24/88	1.8
	10/25/88	0.39		06/21/88	2.4

NORTH PLATTE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>KINGSLEY DAM TO CONFLUENCE</u>		
CEDAR BRANCH CREEK	07/05/88	1.4
NEAR NEVINS	07/19/88	1.8
SEC. 17-14-35 W.	08/15/88	2.1
	08/29/88	2.1
	09/12/88	2.1
	10/03/88	1.6
KEITH-LINCOLN COUNTY DRAIN	04/28/88	0
NO. 2 NEAR SARBEN	05/10/88	0
SEC. 24-14-35 W.	05/24/88	0
	06/07/88	0
	06/21/88	0.17
	07/05/88	1.0
	07/19/88	2.6
	08/15/88	1.3
	08/29/88	1.1
	09/12/88	0.16
	10/03/88	0
LINCOLN COUNTY DRAIN	04/28/88	1.6
NO. 2 NEAR SUTHERLAND	05/10/88	2.2
SEC. 11-14-33 W.	05/24/88	4.4
	06/21/88	1.9
	07/19/88	2.8
	08/16/88	3.2
	09/09/88	2.4
	10/03/88	1.7

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LODGEPOLE CREEK</u>			<u>LODGEPOLE CREEK</u>		
LODGEPOLE CREEK AT WYO-NEBR STATE LINE SE1/4NE1/4 SEC. 11-14-59 W.	08/30/88	0	LODGEPOLE CREEK AT SIDNEY SW1/4SE1/4 SEC. 32-14-49 W.	08/30/88 10/19/88	0 0
LODGEPOLE CREEK, TRIB. TO NEAR BUSHNELL NE1/4SE1/4 SEC. 31-15-57 W.	09/28/88	0	LODGEPOLE CREEK AT SIDNEY CITY PARK SEC. 6-13-49 W.	04/25/88 06/01/88 10/12/88	0 0 0.88
LODGEPOLE CREEK ABOVE OLIVER RESERVOIR SE1/4NE1/4 SEC. 33-15-57 W.	09/12/88	3.6	LODGEPOLE CREEK ABOVE KRUEGER LAKE SEC. 31-14-48 W.	06/22/88 08/16/88	3.5 1.1
LODGEPOLE CREEK, TRIB. TO NEAR BUSHNELL NE1/4SE1/4 SEC. 19-15-56 W.	09/28/88	0	LODGEPOLE CREEK BELOW KRUEGER LAKE SE1/4SE1/4 SEC. 29-14-48 W.	06/22/88 08/16/88	0.88 0
LODGEPOLE CREEK NEAR BUSHNELL NW1/4NW1/4 SEC. 29-15-55 W.	07/18/88 08/10/88 08/30/88	2.5 6.1 1.8	LODGEPOLE CREEK NEAR SUNOL SE1/4NE1/4 SEC. 36-14-48 W.	06/03/88 08/16/88 10/19/88	0.35 0 0
SIDNEY DRAW NEAR NEBRASKA-COLORADO STATE LINE NE1/4SE1/4 SEC. 15-12-56 W.	09/29/88	0	LODGEPOLE CREEK NEAR LODGEPOLE SW1/4SW1/4 SEC. 26-14-47 W.	06/03/88	4.7
LODGEPOLE CREEK NEAR DIX SW1/4NW1/4 SEC. 26-15-54 W.	03/25/88 06/01/88 07/18/88 08/10/88 08/30/88 10/12/88	0 7.5 2.7 2.8 0.47 0.40	LODGEPOLE CREEK SOUTHEAST OF LODGEPOLE SW1/4SW1/4 SEC. 32-14-46 W.	08/16/88 10/19/88	0.34 0
LODGEPOLE CREEK NEAR POTTER SEC. 6-14-52 W.	06/02/88 07/18/88 08/10/88 08/30/88 10/12/88	0 0 0 0 0	COW CREEK NEAR LODGEPOLE SW1/4SW1/4 SEC. 8-13-46 W.	09/02/88	0
LODGEPOLE CREEK NEAR POTTER NW1/4NW1/4 SEC. 11-14-52 W.	02/08/88	3.5	LODGEPOLE CREEK NEAR CHAPPELL NE1/4SW1/4 SEC. 22-13-45 W.	06/03/88 08/16/88 10/19/88	8.7 2.0 1.1
LODGEPOLE CREEK SOUTH OF BROWNSON SEC. 19-14-50 W.	03/25/88 04/25/88 06/01/88 07/18/88 08/10/88 08/30/88 10/12/88	8.1 3.6 4.7 1.6 1.3 1.3 1.3	LODGEPOLE CREEK AT RALTON NE1/4NW1/4 SEC. 12-12-45 W.	02/19/88 03/17/88 06/03/88 06/22/88 08/11/88 08/16/88 09/26/88 10/19/88 11/10/88 12/13/88	0 1.2 15 6.8 4.0 5.3 2.1 3.8 2.2 4.3
SIDNEY DRAW NEAR BROWNSON NE1/4NE1/4 SEC. 16-13-51 W.	09/02/88	0	<u>SOUTH PLATTE, LODGEPOLE CREEK TO CONFLUENCE</u>		
SIDNEY DRAW, TRIBUTARY TO NEAR BUSHNELL SE1/4NE1/4 SEC. 7-13-57 W.	09/28/88	0	WALRATH DRAW NEAR BIG SPRINGS SE1/4SE1/4 SEC. 15-13-43 W.	09/02/88	0
SIDNEY DRAW, TRIBUTARY TO NEAR BUSHNELL NW1/4NW1/4 SEC. 32-14-57 W.	09/28/88	0.88	FREMONT SLOUGH ON HIGHWAY 83 SEC. 16-13-30 W.	01/05/88 02/03/88 03/04/88 04/15/88 10/24/88 11/22/88 12/20/88	26 30 37 30 20 23 23
SIDNEY DRAW, TRIBUTARY TO NEAR KIMBALL SE1/4SE1/4 SEC. 19-14-55 W.	09/28/88	0	FREMONT SLOUGH SEC. 17-13-29 W.	04/27/88 05/09/88 05/23/88 06/06/88 06/20/88 07/06/88 07/20/88 08/01/88 08/17/88 08/29/88 09/12/88 09/29/88	8.5 11 13 9.0 7.8 9.1 10 8.9 9.4 9.0 5.6 6.5
SIDNEY DRAW, TRIBUTARY TO NEAR BROWNSON NE1/4SE1/4 SEC. 9-13-51 W.	09/02/88	0			
LODGEPOLE CREEK AT SIDNEY SW1/4SE1/4 SEC. 32-14-49 W.	03/25/88 06/03/88 07/18/88 08/10/88	0 0 0 0.88			

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>PLATTE RIVER, CONFLUENCE TO WOOD RIVER</u>			<u>WOOD RIVER</u>		
AIRPORT DRAIN SEC. 7-13-29 W.	04/29/88	15	WARM SLOUGH NEAR CENTRAL CITY SE1/4SE1/4 SEC. 29-14-5 W.	06/22/88	0
	05/09/88	23			
	05/24/88	20			
	06/06/88	20			
	06/20/88	24			
	07/06/88	32			
	07/18/88	27			
	08/01/88	33			
	08/17/88	20			
	08/29/88	27			
	09/12/88	19			
	09/29/88	20			
FLOCK DRAIN SEC. 8-13-29 W.	04/27/88	6.9			
	05/09/88	8.2			
	05/23/88	7.5			
	06/06/88	7.1			
	06/20/88	8.8			
	07/06/88	8.8			
	07/20/88	11			
	08/01/88	11			
	08/17/88	9.9			
	08/29/88	10.0			
	09/12/88	7.2			
	09/29/88	7.4			
BULL DRAIN NEAR MAXWELL SE1/4NW1/4 SEC. 20-13-28 W.	04/29/88	4.2			
	05/09/88	5.1			
	05/23/88	6.9			
	06/07/88	3.4			
	06/20/88	4.0			
	07/06/88	2.7			
	07/18/88	2.6			
	08/01/88	3.0			
	08/15/88	3.5			
	08/29/88	2.5			
	09/12/88	2.6			
	09/29/88	3.3			
PAWNEE CREEK NEAR BRADY SE1/4NW1/4 SEC. 3-12-27 W.	04/27/88	12			
	05/10/88	12			
	05/24/88	14			
	06/07/88	8.1			
	06/20/88	6.8			
	07/05/88	7.2			
	07/18/88	7.4			
	08/01/88	6.5			
	08/15/88	8.6			
	08/29/88	7.1			
	09/12/88	6.9			
	09/29/88	9.2			
SHELDON DRAIN NEAR GOTHENBURG SE1/4NE1/4 SEC. 14-11-26 W.	05/04/88	10.0			
	05/18/88	6.5			
	06/01/88	8.2			
	06/15/88	8.0			
	06/28/88	9.8			
	07/12/88	17			
	07/26/88	12			
	08/09/88	12			
	08/23/88	10			
	09/06/88	7.7			
	09/30/88	7.3			
PLUM CREEK NEAR EUSTIS NE1/4SW1/4 SEC. 20-8-23 W.	10/13/88	0			
ELM CREEK NEAR OVERTON NW1/4NE1/4 SEC. 35-10-19 W.	04/28/88	0			
<u>WOOD RIVER</u>					
WARM SLOUGH NEAR CHAPMAN NW1/4NW1/4 SEC. 12-12-8 W.	06/22/88	0.11			

PLATTE RIVER BASIN

(LOUP RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>MIDDLE LOUP RIVER TO CONFLUENCE WITH SOUTH LOUP RIVER</u>			<u>MIDDLE LOUP RIVER TO CONFLUENCE WITH SOUTH LOUP RIVER</u>		
MID. LOUP RIVER, NORTH BRANCH, NEAR WHITMAN NE1/4SW1/4 SEC. 33-26-36 W.	05/16/88	2.3	LAKE CREEK NEAR ST. PAUL NW1/4NW1/4 SEC. 1-14-10 W.	05/20/88	0.85
MID. LOUP RIVER, MIDDLE BRANCH, NEAR WHITMAN NW1/4NW1/4 SEC. 16-25-36 W.	05/16/88	3.9	LAKE CREEK, TRIBUTARY TO, NEAR ST. PAUL NE1/4NW1/4 SEC. 1-14-10 W.	05/20/88	0.01
MIDDLE LOUP RIVER, SOUTH BRANCH, NEAR WHITMAN NW1/4SE1/4 SEC. 32-25-36 W.	05/16/88	3.3	<u>SOUTH LOUP RIVER</u>		
MIDDLE LOUP RIVER NEAR MULLEN SE1/4NE1/4 SEC. 8-24-32 W.	05/16/88	162	SOUTH LOUP RIVER AT STAPLETON SE1/4SE1/4 SEC. 26-18-28 W.	06/20/88	2.8
MIDDLE LOUP RIVER AT THEDFORD NW1/4SW1/4 SEC. 10-23-28 W.	05/16/88	336	SOUTH LOUP RIVER NEAR ARNOLD NE1/4NE1/4 SEC. 19-17-25 W.	06/20/88	20
DISMAL RIVER, NORTH FORK, NEAR MULLEN NE1/4NE1/4 SEC. 29-22-32 W.	05/16/88	52	SAND CREEK NEAR ARNOLD NE1/4NW1/4 SEC. 34-17-25 W.	06/20/88	0
DISMAL RIVER, SOUTH FORK, NEAR MULLEN SE1/4NE1/4 SEC. 29-22-32 W.	05/16/88	35	SOUTH LOUP RIVER NEAR CALLAWAY SE1/4NE1/4 SEC. 9-16-24 W.	06/20/88	89
VICTORIA CREEK NEAR ANSELMO SW1/4SW1/4 SEC. 16-19-21 W.	05/17/88	0.74	SAND CREEK AT CALLAWAY NE1/4NE1/4 SEC. 11-15-23 W.	06/20/88	0.90
VICTORIA CREEK NEAR MILBURN SE1/4NE1/4 SEC. 36-20-21 W.	05/17/88	6.0	SOUTH LOUP RIVER NEAR CALLAWAY NE1/4NW1/4 SEC. 7-15-22 W.	06/20/88	87
SAND CANYON AT SARGENT SW1/4SE1/4 SEC. 4-19-18 W.	05/17/88	0	SPRING CREEK NEAR CALLAWAY NE1/4SE1/4 SEC. 14-15-22 W.	06/20/88	0.40
WAGNER CREEK NEAR COMSTOCK NE1/4NE1/4 SEC. 4-18-17 W.	05/17/88	0.32	SOUTH LOUP RIVER, TRIBUTARY TO, NEAR OCONTO SW1/4NW1/4 SEC. 9-14-21 W.	06/20/88	0.03
HAWTHORNE CREEK NEAR ARCADIA SE1/4NE1/4 SEC. 12-17-16 W.	05/17/88	0	SOUTH LOUP RIVER NEAR OCONTO SW1/4SE1/4 SEC. 10-14-21 W.	06/20/88	116
HAWTHORNE CREEK AT ARCADIA NE1/4NE1/4 SEC. 26-17-16 W.	05/17/88	0.42	BURR OAK CREEK NEAR OCONTO NW1/4SW1/4 SEC. 34-14-20 W.	06/20/88	0
HAYS CREEK NEAR ARCADIA SW1/4SE1/4 SEC. 16-16-15 W.	05/17/88	0	BOXELDER CREEK NEAR MILTON SE1/4SW1/4 SEC. 10-13-19 W.	06/20/88	0
COLE CREEK NEAR LOUP CITY SW1/4SW1/4 SEC. 28-16-15 W.	05/17/88	0.13	SOUTH LOUP RIVER NEAR CUMRO NE1/4NW1/4 SEC. 4-12-18 W.	06/20/88	94
DEAD HORSE CREEK AT LOUP CITY NW1/4NW1/4 SEC. 17-15-14 W.	05/17/88	0	SOUTH LOUP RIVER AT PLEASANTON NW1/4SW1/4 SEC. 36-12-16 W.	06/20/88	97
BROWN CREEK NEAR LOUP CITY SW1/4NW1/4 SEC. 30-15-14 W.	05/17/88	0.03	CEDAR CREEK AT POOLE NE1/4NE1/4 SEC. 35-12-15 W.	06/20/88	0.21
ROCK CREEK NEAR ROCKVILLE NE1/4SW1/4 SEC. 5-13-13 W.	05/17/88	0.05	SOUTH LOUP RIVER AT RAVENNA SW1/4NW1/4 SEC. 16-12-14 W.	06/20/88	99
DEER CREEK NEAR BOELUS SW1/4SW1/4 SEC. 16-13-12 W.	05/17/88	1.2	MUD CREEK NEAR BROKEN BOW SW1/4NW1/4 SEC. 11-16-20 W.	06/20/88	1.5

PLATTF RIVER BASIN
(LOUP RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>SOUTH LOUP RIVER</u>			<u>NORTH LOUP RIVER</u>		
MUD CREEK AT ANSLEY NW1/4NW1/4 SEC. 9-15-18 W.	06/20/88	6.4	TURTLE CREEK, SOUTH BRANCH, TRIBUTARY TO, NO. 2 NEAR ORD SW1/4NW1/4 SEC. 8-19-15 W.	08/16/88 09/15/88 10/12/88 11/07/88 12/09/88	0 0 0 0 0
MUD CREEK NEAR LITCHFIELD SE1/4SE1/4 SEC. 11-14-17 W.	06/24/88	6.5	DANE CREEK AT ORD NW1/4NW1/4 SEC. 20-19-14 W.	06/21/88	0.06
MUD CREEK NEAR LITCHFIELD SE1/4SW1/4 SEC. 20-14-16 W.	06/20/88	13	MESSENGER CREEK NEAR ORD SW1/4NW1/4 SEC. 25-19-13 W.	06/21/88	0.11
MUD CREEK NEAR LITCHFIELD SE1/4SE1/4 SEC. 35-14-16 W.	06/28/88	4.2	MIRA CREEK, NORTH BRANCH, NEAR NORTH LOUP NW1/4NW1/4 SEC. 28-18-13 W.	06/21/88	0
MUD CREEK NEAR HAZARD NE1/4SE1/4 SEC. 29-13-15 W.	06/28/88	3.9	MIRA CREEK, SOUTH BRANCH, NEAR NORTH LOUP NW1/4SE1/4 SEC. 33-18-13 W.	06/21/88	0.60
BLOODY RUN CREEK NEAR SWEETWATER NE1/4SW1/4 SEC. 34-13-15 W.	06/20/88	0	FISH CREEK NEAR COTESFIELD SE1/4SW1/4 SEC. 31-17-11 W.	06/21/88	0.20
MUD CREEK NEAR SWEETWATER SW1/4SW1/4 SEC. 1-12-15 W.	06/28/88	1.5	MUNSON CREEK NEAR ELBA SW1/4SE1/4 SEC. 28-16-11 W.	06/21/88	3.4
<u>LOUP RIVER, SOUTH LOUP RIVER TO NORTH LOUP RIVER</u>			<u>LOWER LOUP RIVER ABOVE CEDAR RIVER</u>		
OAK CREEK NEAR LOUP CITY NW1/4NE1/4 SEC. 12-15-14 W.	05/20/88	3.7	NORTH LOUP RIVER, TRIBUTARY TO, NEAR ELBA NW1/4NE1/4 SEC. 24-15-11 W.	06/21/88	0.90
OAK CREEK AT ASHTON SW1/4SE1/4 SEC. 22-15-13 W.	05/20/88	6.1	SPRING CREEK AT CUSHING NE1/4SW1/4 SEC. 5-15-9 W.	06/22/88	3.3
OAK CREEK AT DANNEBROG SW1/4SE1/4 SEC. 2-13-11 W.	05/20/88	26	ROCK CREEK NEAR CUSHING NW1/4SE1/4 SEC. 7-15-8 W.	06/22/88	0.04
TURKEY CREEK NEAR FARWELL NW1/4NE1/4 SEC. 11-14-12 W.	05/20/88	2.7	COTTONWOOD CREEK NEAR PALMER NW1/4NW1/4 SEC. 10-15-8 W.	06/22/88	0
<u>NORTH LOUP RIVER</u>			<u>CEDAR RIVER</u>		
TURTLE CREEK, NORTH BRANCH, NEAR ELYRIA NW1/4NE1/4 SEC. 34-20-15 W.	06/21/88	0.60	ELK CREEK NEAR PALMER SE1/4NW1/4 SEC. 23-15-8 W.	06/22/88	1.0
TURTLE CREEK, SOUTH BRANCH, NO. 1 NEAR ELYRIA SW1/4SW1/4 SEC. 9-19-15 W.	01/05/88 02/03/88 03/15/88 03/28/88 04/27/88 05/25/88 06/21/88 07/22/88 08/16/88 09/15/88 10/12/88 11/07/88 12/09/88	0 0 0 0 0 0.01 0 0 0 0 0 0 0	HORSE CREEK NEAR FULLERTON SE1/4SW1/4 SEC. 33-16-7 W.	06/22/88	0.60
TURTLE CREEK, SOUTH BRANCH, TRIBUTARY TO, NO. 2 NEAR ORD SW1/4NW1/4 SEC. 8-19-15 W.	01/05/88 02/03/88 03/15/88 03/28/88 04/27/88 05/25/88 06/21/88 07/22/88	0 0 0 0 0 0.06 0 0.27	COLT CREEK NEAR FULLERTON NW1/4NW1/4 SEC. 35-16-7 W.	06/22/88	0
			WARE CREEK NEAR FULLERTON NE1/4NW1/4 SEC. 35-16-7 W.	06/22/88	0.03
			BIG CEDAR CREEK NEAR SWAN LAKE NE1/4NE1/4 SEC. 8-24-15 W.	06/21/88	0.47
			BIG CEDAR CREEK NEAR DUMAS NE1/4NE1/4 SEC. 28-24-14 W.	06/21/88	0.18

PLATTE RIVER BASIN
(LOUP RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>CEDAR RIVER</u>			<u>LOWER LOUP RIVER BELOW CEDAR RIVER</u>		
LITTLE CEDAR CREEK NEAR SWAN LAKE SE1/4SE1/4 SEC. 27-24-15 W.	06/21/88	2.0	BOGUS CREEK NEAR ST. EDWARD NW1/4SE1/4 SEC. 11-18-5 W.	09/27/88	0.33
CEDAR CREEK NEAR GABLES SE1/4SE1/4 SEC. 32-23-13 W.	06/21/88	39	BEAVER CREEK NEAR GENOA SW1/4NW1/4 SEC. 33-18-4 W.	09/27/88	64
CEDAR CREEK AT ERICSON SW1/4SW1/4 SEC. 15-21-12 W.	06/21/88	116	LOOKING GLASS CREEK NEAR GENOA SE1/4NE1/4 SEC. 30-18-3 W.	11/22/88	1.5
CEDAR RIVER NEAR ERICSON SE1/4SE1/4 SEC. 25-21-12 W.	06/21/88	126	LOOKING GLASS CREEK NEAR MONROE NW1/4NE1/4 SEC. 8-17-3 W.	11/22/88	13
CEDAR RIVER AT PRIMROSE NE1/4NE1/4 SEC. 17-19-8 W.	06/21/88	210	LOUP RIVER, TRIBUTARY TO, NEAR MONROE NE1/4SE1/4 SEC. 2-17-3 W.	11/22/88	1.3
CEDAR RIVER AT CEDAR RAPIDS SE1/4SE1/4 SEC. 5-18-7 W.	06/21/88	137	CHERRY CREEK NEAR MONROE SE1/4NE1/4 SEC. 25-18-3 W.	11/22/88	0
CEDAR RIVER AT BELGRADE SE1/4NE1/4 SEC. 2-17-7 W.	06/22/88	210	CHERRY CREEK NEAR MONROE NW1/4NE1/4 SEC. 6-17-2 W.	11/22/88	0
TIMBER CREEK NEAR BELGRADE NW1/4SE1/4 SEC. 26-17-7 W.	06/22/88	4.4	LOUP RIVER, TRIBUTARY TO, NEAR MONROE SE1/4SE1/4 SEC. 20-18-2 W.	11/22/88	0
<u>LOWER LOUP RIVER BELOW CEDAR RIVER</u>			LOUP RIVER, TRIBUTARY TO, NEAR MONROE NE1/4NW1/4 SEC. 34-18-2 W.	11/22/88	1.9
PLUM CREEK NEAR FULLERTON NW1/4NE1/4 SEC. 4-16-5 W.	09/27/88	0.56	LAKE BABCOCK DRAIN NEAR COLUMBUS SE1/4NE1/4 SEC. 8-17-1 E.	11/18/88	4.0
COUNCIL CREEK NEAR GENOA SW1/4NW1/4 SEC. 36-17-5 W.	09/27/88	0.03	BARNUM CREEK NEAR COLUMBUS NE1/4SE1/4 SEC. 31-17-1 E.	11/22/88	1.2
BEAVER CREEK NEAR BARTLETT SE1/4SW1/4 SEC. 24-23-10 W.	09/27/88	1.6			
BEAVER CREEK NW1/4NW1/4 SEC. 21-23-9 W.	09/27/88	4.5			
BEAVER CREEK NEAR RAEVILLE NW1/4NW1/4 SEC. 8-22-8 W.	09/27/88	15			
BEAVER CREEK NEAR PETERSBURG NW1/4SW1/4 SEC. 24-22-8 W.	09/27/88	30			
BEAVER CREEK E1/2 SEC. 31-22-7 W.	09/27/88	36			
BEAVER CREEK NEAR LORETTO SW1/4NW1/4 SEC. 11-21-7 W.	09/27/88	37			
BEAVER CREEK NEAR ALBION NW1/4NE1/4 SEC. 26-20-6 W.	09/27/88	48			
BEAVER CREEK AT BOONE NW1/4SW1/4 SEC. 16-19-5 W.	09/27/88	48			
BEAVER CREEK NEAR ST. EDWARD SW1/4SE1/4 SEC. 12-18-5 W.	09/27/88	62			

PLATTE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>PLATTE RIVER, LOUP RIVER TO ELKHORN RIVER</u>		
CLEAR CREEK NEAR COLUMBUS NW1/4NW1/4 SEC. 7-16-1 E.	10/31/88	8.6
CLEAR CREEK NEAR SHELBY SW1/4NW1/4 SEC. 36-16-2 W.	10/31/88	0
CLEAR CREEK NEAR BELLWOOD NW1/4SW1/4 SEC. 7-16-2 E.	10/31/88	30
WILSON CREEK NEAR BELLWOOD NE1/4NE1/4 SEC. 11-16-1 E.	10/31/88	2.2
SOUTH CHANNEL PLATTE RIVER NEAR COLUMBUS SW1/4NW1/4 SEC. 7-16-1 E.	10/31/88	0
TRIBUTARY TO PLATTE RIVER NEAR BELLWOOD NE1/4NW1/4 SEC. 18-16-2 E.	10/31/88	0.48
DEER CREEK NEAR BELLWOOD NW1/4SW1/4 SEC. 10-16-2 E.	10/31/88	1.1
BONE CREEK NEAR OCTAVIA NW1/4SW1/4 SEC. 35-17-3 E.	10/31/88	0
SKULL CREEK AT LINWOOD NE1/4SW1/4 SEC. 26-17-4 E.	10/31/88	4.5
ELM CREEK NEAR FREMONT SE1/4NE1/4 SEC. 33-17-8 E.	11/08/88	0.14
OTOE CREEK NEAR LESHARA NE1/4SE1/4 SEC. 29-16-9 E.	11/08/88	0.19
OTOE CREEK NEAR YUTAN SE1/4SE1/4 SEC. 23-15-9 E.	11/08/88	0.23

PLATTE RIVER BASIN
(ELKHORN RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER ELKHORN RIVER</u>			<u>UPPER ELKHORN RIVER</u>		
ELKHORN RIVER NEAR NEWPORT SW1/4SE1/4 SEC. 28-30-17 W.	08/10/88	0.89	CEDAR CREEK AT OAKDALE NW1/4NW1/4 SEC. 12-24-6 W.	07/06/88	8.7
ELKHORN RIVER, SOUTH BRANCH, NEAR STUART SE1/4SE1/4 SEC. 5-30-16 W.	08/10/88	1.2	ELM CREEK NEAR OAKDALE NW1/4SW1/4 SEC. 8-24-5 W.	07/06/88 10/17/88	0 0
ELKHORN RIVER, NORTH BRANCH, NEAR STUART SE1/4NE1/4 SEC. 32-31-16 W.	08/10/88	0	TRUEBLOOD CREEK NEAR OAKDALE SW1/4SE1/4 SEC. 33-25-5 W.	10/17/88	0.23
KEEGAN CREEK NEAR STUART SE1/4SE1/4 SEC. 20-30-15 W.	08/10/88	0	SAINT CLAIR CREEK NEAR OAKDALE NW1/4SW1/4 SEC. 9-24-5 W.	10/17/88	0
DRY CREEK NEAR ATKINSON NE1/4NE1/4 SEC. 8-29-14 W.	08/09/88	0	IVES CREEK NEAR TILDEN NE1/4NE1/4 SEC. 15-24-5 W.	10/17/88	0.13
HOLT CREEK NEAR ATKINSON NW1/4NW1/4 SEC. 28-28-14 W.	08/09/88	1.7	GILES CREEK NEAR TILDEN SE1/4SE1/4 SEC. 13-24-5 W.	10/17/88	1.5
DRY CREEK NEAR AMELIA SW1/4NW1/4 SEC. 35-27-14 W.	08/09/88	0	AL HOPKINS CREEK NEAR TILDEN NE1/4NE1/4 SEC. 12-24-5 W.	10/17/88	0.28
DRY CREEK NEAR O'NEILL SW1/4SW1/4 SEC. 8-28-11 W.	08/09/88	4.7	DRY CREEK NEAR TILDEN NW1/4SE1/4 SEC. 21-24-4 W.	10/20/88	0.22
ELKHORN RIVER, TRIBUTARY TO, NEAR PAGE NW1/4NW1/4 SEC. 7-27-9 W.	08/04/88	0	BUFFALO CREEK AT MEADOW GROVE SW1/4SW1/4 SEC. 24-24-4 W.	10/20/88	3.6
WILLOW SWAMP CREEK NEAR EWING SE1/4SE1/4 SEC. 13-27-10 W.	08/04/88	1.8	DEER CREEK NEAR MEADOW GROVE NE1/4NE1/4 SEC. 30-24-3 W.	10/20/88	2.4
ELKHORN RIVER, SOUTH FORK, NEAR CHAMBERS NW1/4NW1/4 SEC. 6-26-11 W.	08/09/88	1.7	BATTLE CREEK NEAR BATTLE CREEK SW1/4NW1/4 SEC. 31-24-2 W.	07/06/88 09/26/88	13 11
CACHE CREEK NEAR GOOSE LAKE NE1/4NW1/4 SEC. 29-25-11 W.	08/09/88	0.20	ELKHORN RIVER, TRIBUTARY TO, NEAR BATTLE CREEK SE1/4SW1/4 SEC. 34-24-2 W.	07/06/88 09/26/88	0 0
CACHE CREEK NEAR EWING SW1/4NE1/4 SEC. 13-26-9 W.	08/04/88	3.3	ELKHORN RIVER, TRIBUTARY TO, NEAR BATTLE CREEK NW1/4SW1/4 SEC. 34-24-2 W.	12/01/88	1.9
CLEARWATER CREEK NEAR EWING SW1/4SW1/4 SEC. 33-25-9 W.	08/09/88	4.7	ELKHORN RIVER, TRIBUTARY TO, NEAR NORFOLK SE1/4NW1/4 SEC. 6-23-1 W.	09/26/88	0.32
CLEARWATER CREEK NEAR CLEARWATER NW1/4SW1/4 SEC. 30-25-8 W.	08/09/88	10	ELKHORN RIVER, TRIBUTARY TO, NEAR NORFOLK SE1/4NW1/4 SEC. 5-23-1 W.	07/06/88 08/31/88 09/26/88	0 0 0
ANTELOPE CREEK NEAR NELIGH NW1/4SW1/4 SEC. 24-25-7 W.	07/06/88 08/16/88	0.03 0	<u>NORTH FORK OF THE ELKHORN RIVER</u>		
HALL CREEK AT NELIGH NE1/4SE1/4 SEC. 18-25-6 W.	06/22/88 07/06/88	0 0	ELKHORN RIVER, NORTH FORK, NEAR OSMOND NW1/4NW1/4 SEC. 1-27-3 W.	11/03/88	2.8
BELMAR CREEK AT NELIGH NW1/4SW1/4 SEC. 21-25-6 W.	07/06/88	0	ELKHORN RIVER, WEST BRANCH OF THE NORTH FORK, NEAR OSMOND NE1/4NW1/4 SEC. 2-27-3 W.	11/03/88	0.14
WEST CEDAR CREEK NEAR ELGIN SE1/4NE1/4 SEC. 4-23-6 W.	10/20/88	2.2	BRESLAU CREEK NEAR BRESLAU NE1/4NW1/4 SEC. 4-27-3 W.	10/12/88 11/03/88	0 0

PLATTE RIVER BASIN
(ELKHORN RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>NORTH FORK OF THE ELKHORN RIVER</u>			<u>MIDDLE REACH OF THE ELKHORN RIVER</u>		
ELKHORN RIVER, NORTH FORK, NEAR FOSTER SW1/4SE1/4 SEC. 5-26-2 W.	11/01/88	7.9	NORTH TAYLOR CREEK NEAR MADISON NW1/4NE1/4 SEC. 24-22-2 W.	11/03/88	0.17
DRY CREEK, TRIBUTARY TO, NEAR PLAINVIEW NW1/4NE1/4 SEC. 14-27-4 W.	11/01/88	0	TAYLOR CREEK AT MADISON SE1/4NW1/4 SEC. 32-22-1 W.	11/03/88	13
DRY CREEK NEAR PLAINVIEW SW1/4SW1/4 SEC. 11-27-4 W.	11/01/88	0.08	MERIDAN CREEK NEAR MADISON SE1/4SE1/4 SEC. 12-21-1 W.	12/01/88	2.1
DRY CREEK AT FOSTER NW1/4NE1/4 SEC. 33-27-3 W.	11/01/88	3.5	SAND CREEK NEAR STANTON SW1/4SW1/4 SEC. 16-22-1 E.	10/28/88	0.03
DRY CREEK NEAR PIERCE SW1/4SW1/4 SEC. 10-26-2 W.	11/01/88	7.4	UNION CREEK NEAR STANTON NE1/4NE1/4 SEC. 1-22-1 E.	07/07/88	11
YANKTON SLOUGH NEAR PIERCE SW1/4SW1/4 SEC. 13-26-2 W.	11/01/88	0	BUTTERFLY CREEK NEAR STANTON SW1/4SE1/4 SEC. 32-23-2 E.	07/07/88 10/28/88	0 0.14
WILLOW CREEK NEAR PLAINVIEW NE1/4NE1/4 SEC. 20-26-4 W.	07/05/88 08/30/88	0.56 0.35	MASKENTHINE CREEK NEAR STANTON NE1/4NW1/4 SEC. 31-24-2 E.	11/09/88	0.27
WILLOW CREEK ABOVE RESERVOIR SW1/4SE1/4 SEC. 2-25-3 W.	08/30/88	5.5	MASKENTHINE CREEK AT STANTON SE1/4SW1/4 SEC. 20-23-2 E.	07/07/88 10/14/88	0 0
WILLOW CREEK, TRIBUTARY TO, NEAR PIERCE SE1/4SW1/4 SEC. 30-26-2 W.	08/30/88	0	INDIAN CREEK NEAR STANTON NW1/4NW1/4 SEC. 21-23-2 E.	10/28/88	0.08
WILLOW CREEK AT PIERCE SE1/4SE1/4 SEC. 27-26-2 W.	08/30/88	4.7	CEDAR CREEK NEAR STANTON NW1/4SW1/4 SEC. 19-23-3 E.	10/28/88	0.64
ELKHORN RIVER, TRIBUTARY TO, NORTH FORK, NEAR HADAR NW1/4NE1/4 SEC. 19-25-1 W.	08/30/88	0	PAYNE CREEK NEAR STANTON SW1/4NE1/4 SEC. 12-23-2 E.	10/14/88	0.35
HADAR CREEK AT HADAR NE1/4NW1/4 SEC. 32-25-1 W.	08/30/88	0.04	HUMBUG CREEK NEAR PILGER SW1/4SW1/4 SEC. 6-24-3 E.	10/14/88	1.7
SPRING CREEK NEAR NORFOLK SE1/4SW1/4 SEC. 11-24-1 W.	08/31/88	1.2	HUMBUG CREEK, SOUTH BRANCH, NEAR PILGER SE1/4NE1/4 SEC. 24-24-2 E.	10/14/88	0.44
<u>MIDDLE REACH OF THE ELKHORN RIVER</u>			HUMBUG CREEK NEAR PILGER SE1/4SE1/4 SEC. 28-24-3 E.	10/14/88	4.3
ELKHORN RIVER, TRIBUTARY TO, NEAR STANTON SW1/4NE1/4 SEC. 29-23-1 E.	10/28/88	0.43	SAND CREEK NEAR WISNER SE1/4SE1/4 SEC. 29-24-4 E.	10/03/88	0.41
ELKHORN RIVER, TRIBUTARY TO, NEAR STANTON SW1/4SW1/4 SEC. 26-23-1 E.	07/07/88	0	LEISY CREEK NEAR WISNER NW1/4SE1/4 SEC. 10-23-4 E.	11/07/88	0.03
PLEASANT RUN CREEK NEAR STANTON NE1/4NE1/4 SEC. 25-23-1 E.	10/28/88	0.06	ROCK CREEK NEAR WISNER NE1/4NE1/4 SEC. 11-22-4 E.	11/07/88	2.7
UNION CREEK, TRIBUTARY TO, NEAR MADISON SE1/4SE1/4 SEC. 12-21-2 W.	11/03/88	0.14	ROCK CREEK NEAR BEEMER SW1/4SE1/4 SEC. 33-23-5 E.	11/07/88	12
TAYLOR CREEK NEAR MADISON NE1/4NE1/4 SEC. 27-22-2 W.	11/03/88	0.17	PLUM CREEK NEAR ALTONA SE1/4SE1/4 SEC. 7-24-5 E.	10/13/88	1.4

PLATTE RIVER BASIN
(ELKHORN RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>MIDDLE REACH OF THE ELKHORN RIVER</u>			<u>LOGAN CREEK</u>		
KANE CREEK NEAR WISNER SE1/4SW1/4 SEC. 8-24-5 E.	10/13/88	0.26	LOGAN CREEK, MIDDLE FORK, NEAR LAUREL SW1/4SW1/4 SEC. 6-28-3 E.	09/08/88	2.5
PLUM CREEK, TRIBUTARY TO, NEAR WISNER NE1/4SE1/4 SEC. 34-24-5 E.	10/13/88	0.27	PERRIN CREEK NEAR LAUREL SW1/4SE1/4 SEC. 30-29-3 E.	09/08/88	3.8
PLUM CREEK NEAR WISNER NW1/4NW1/4 SEC. 2-23-5 E.	10/13/88	2.7	LOGAN CREEK NEAR LAUREL NW1/4NE1/4 SEC. 10-28-3 E.	05/19/88	17
PLUM CREEK, TRIBUTARY TO, NEAR BEEMER SE1/4SW1/4 SEC. 17-23-6 E.	10/13/88	0.15	BAKER CREEK NEAR LAUREL SW1/4SW1/4 SEC. 13-28-3 E.	09/08/88	1.4
PLUM CREEK NEAR WEST POINT SE1/4SW1/4 SEC. 4-22-6 E.	08/12/88 10/13/88	5.9 6.2	LOGAN CREEK, NORTH FORK, NEAR LAUREL SW1/4SW1/4 SEC. 36-29-3 E.	09/08/88	0.03
WORTMANS CREEK NEAR WEST POINT NW1/4NW1/4 SEC. 14-21-6 E.	08/12/88	0.05	LOGAN CREEK, NORTH FORK, NEAR CONCORD NW1/4NE1/4 SEC. 28-28-4 E.	07/27/88	1.6
FISHER CREEK NEAR WEST POINT NE1/4NE1/4 SEC. 8-21-6 E.	11/07/88	0	LOGAN CREEK, TRIBUTARY TO, NEAR CONCORD SE1/4SW1/4 SEC. 15-28-4 E.	07/27/88	0.33
FISHER CREEK, TRIBUTARY TO, NEAR WEST POINT NE1/4SE1/4 SEC. 8-21-6 E.	11/07/88	0.60	LOGAN CREEK NEAR WAKEFIELD NE1/4NE1/4 SEC. 30-27-5 E.	05/19/88 07/27/88	47 28
COFFEE CREEK NEAR WEST POINT SW1/4SE1/4 SEC. 28-21-6 E.	11/07/88	0.14	SOUTH LOGAN CREEK NEAR WINSIDE SW1/4SW1/4 SEC. 33-26-2 E.	05/19/88	0.65
CUMING CREEK NEAR BEEMER SE1/4SE1/4 SEC. 30-23-7 E.	10/03/88	0.28	LOGAN CREEK, SOUTH FORK, NEAR WINSIDE SW1/4SW1/4 SEC. 33-26-3 E.	11/07/88	2.5
CUMING CREEK NEAR WEST POINT NE1/4NE1/4 SEC. 3-21-7 E.	09/09/88	0	DEER CREEK, TRIBUTARY TO, NEAR WAYNE NW1/4NW1/4 SEC. 17-26-3 E.	07/27/88 11/07/88	1.3 2.8
WILLOW CREEK NEAR WEST POINT NE1/4NW1/4 SEC. 16-21-7 E.	11/07/88	0.18	DEER CREEK NEAR WAYNE SE1/4SW1/4 SEC. 10-26-3 E.	11/07/88	2.8
CUMING CREEK NEAR SCRIBNER SW1/4SE1/4 SEC. 29-20-7 E.	08/12/88	1.1	LOGAN CREEK, SOUTH FORK, AT WAYNE SW1/4SW1/4 SEC. 18-26-4 E.	05/19/88 07/27/88 11/07/88	14 4.0 8.5
PEBBLE CREEK NEAR ALOYS SW1/4SW1/4 SEC. 14-21-5 E.	11/07/88	1.9	DOG CREEK NEAR WAYNE SW1/4NW1/4 SEC. 6-26-4 E.	11/07/88	6.2
PEBBLE CREEK, TRIBUTARY TO, AT SNYDER SE1/4SE1/4 SEC. 18-20-5 E.	12/02/88	6.0	LOGAN CREEK, SOUTH FORK, NEAR WAKEFIELD SW1/4NW1/4 SEC. 31-27-5 E.	05/19/88 07/27/88	33 11
SILVER CREEK NEAR SCRIBNER NW1/4NE1/4 SEC. 2-19-6 E.	11/30/88	7.4	LOGAN CREEK AT WAKEFIELD NW1/4NW1/4 SEC. 33-27-5 E.	05/19/88	82
<u>LOGAN CREEK</u>			COON CREEK NEAR WAKEFIELD NW1/4NE1/4 SEC. 15-26-5 E.	11/07/88	0.67
LOGAN CREEK, MIDDLE FORK, AT RANDOLPH NW1/4NW1/4 SEC. 29-28-1 E.	05/19/88 09/08/88	0.20 0	LOGAN CREEK NEAR WAKEFIELD SW1/4SW1/4 SEC. 14-26-5 E.	05/19/88	82
MIDDLE LOGAN CREEK AT BELDEN NW1/4SW1/4 SEC. 9-28-2 E.	05/19/88	0.59	LOGAN CREEK NEAR PENDER NW1/4NE1/4 SEC. 16-25-6 E.	05/19/88	90

PLATTE RIVER BASIN
(ELKHORN RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>LOWER ELKHORN RIVER</u>			<u>LOGAN CREEK</u>		
MAPLE CREEK, MIDDLE FORK, AT CLARKSON NW1/4NW1/4 SEC. 8-20-3 E.	12/05/88	4.0	RATTLESNAKE CREEK NEAR THURSTON NE1/4NE1/4 SEC. 17-25-6 E.	10/31/88	0.36
DRY CREEK, TRIBUTARY TO, NEAR SCHUYLER SE1/4SE1/4 SEC. 3-18-3 E.	12/06/88	0	MIDDLE CREEK NEAR PENDER SE1/4NE1/4 SEC. 10-25-6 E.	10/31/88	0.85
POND CREEK NEAR ROGERS SE1/4NE1/4 SEC. 21-18-4 E.	12/06/88	0	LOGAN CREEK, TRIBUTARY TO, NEAR PENDER SE1/4SE1/4 SEC. 22-25-6 E.	10/31/88	0.12
DRY CREEK NEAR ROGERS SE1/4SE1/4 SEC. 15-18-4 E.	12/06/88	0.59	LOGAN CREEK AT PENDER GAGE SE1/4NW1/4 SEC. 26-25-6 E.	05/19/88	100
MAPLE CREEK, MIDDLE FORK, NEAR ROGERS NE1/4SE1/4 SEC. 14-18-4 E.	12/06/88	8.2	RATTLESNAKE CREEK NEAR PENDER NW1/4NW1/4 SEC. 12-24-7 E.	10/13/88	0.07
MAPLE CREEK, EAST FORK, NEAR HOWELLS NW1/4NE1/4 SEC. 17-20-4 E.	12/05/88	1.8	JEPSON CREEK NEAR BANCROFT NW1/4NE1/4 SEC. 17-24-7 E.	10/13/88	0
MAPLE CREEK, EAST FORK, NEAR ROGERS NE1/4NE1/4 SEC. 2-18-4 E.	12/06/88	3.3	OLD LOGAN (RATTLESNAKE) CREEK NEAR BANCROFT NW1/4NW1/4 SEC. 22-24-7 E.	10/13/88	0.20
CRYSTAL CREEK NEAR NORTH BEND NE1/4SE1/4 SEC. 35-19-5 E.	12/02/88	0.28	LOGAN CREEK NEAR BANCROFT NE1/4SE1/4 SEC. 26-24-7 E.	05/19/88	112
ELKHORN RIVER, TRIBUTARY TO, NEAR FREMONT NE1/4SE1/4 SEC. 5-17-9 E.	06/14/88	3.4	LOGAN CREEK NEAR BANCROFT NW1/4NE1/4 SEC. 2-23-8 E.	05/19/88	119
BELL CREEK NEAR CRAIG SE1/4SE1/4 SEC. 11-21-9 E.	06/21/88 10/17/88	7.9 5.1	LOGAN CREEK NEAR LYONS SE1/4NW1/4 SEC. 26-23-8 E.	05/19/88	121
BELL CREEK NEAR TALBASTA NE1/4NW1/4 SEC. 36-19-9 E.	06/21/88 06/21/88 06/23/88 10/17/88 11/29/88	13 9.3 4.4 9.5 20	LITTLE LOGAN CREEK NEAR LYONS SW1/4SE1/4 SEC. 34-23-8 E.	10/19/88	1.1
BELL CREEK NEAR TALBASTA SW1/4SE1/4 SEC. 1-18-9 E.	06/23/88 06/25/88 06/28/88	3.1 2.4 1.4	LOGAN CREEK, TRIBUTARY TO, NEAR OAKLAND SE1/4SW1/4 SEC. 15-22-8 E.	10/19/88	0.06
BELL CREEK NEAR TALBASTA NW1/4NE1/4 SEC. 12-18-9 E.	10/17/88	10	LOGAN CREEK AT OAKLAND SW1/4SW1/4 SEC. 36-22-8 E.	05/19/88	128
LITTLE BELL CREEK NEAR FONTANELLE SW1/4SE1/4 SEC. 18-18-10 E.	06/21/88 10/17/88 11/29/88	2.0 0.90 1.9	PETERSON CREEK NEAR OAKLAND NE1/4SW1/4 SEC. 10-21-8 E.	10/19/88	0.04
BROWN CREEK NEAR ARLINGTON NW1/4NW1/4 SEC. 6-17-10 E.	06/21/88 10/17/88 11/30/88	1.7 0.22 0.87	ROMBERG CREEK NEAR UEHLING SW1/4NE1/4 SEC. 4-20-8 E.	09/09/88 11/30/88	0.05 1.9
BELL CREEK NEAR ARLINGTON NW1/4SW1/4 SEC. 6-17-10 E.	06/21/88 10/17/88 11/30/88	12 11 18	LOGAN CREEK, TRIBUTARY TO, NEAR UEHLING SE1/4SE1/4 SEC. 17-20-8 E.	11/30/88	2.2
WALNUT CREEK NEAR ARLINGTON SW1/4SE1/4 SEC. 33-17-10 E.	06/21/88 11/23/88	0.40 0.62	<u>LOWER ELKHORN RIVER</u>		
RAWHIDE CREEK NEAR VALLEY NW1/4NW1/4 SEC. 31-17-10 E.	06/14/88	1.3	BACHLOR CREEK NEAR WINSLOW SE1/4SW1/4 SEC. 12-19-8 E.	09/09/88 11/30/88	0 0.19
			CLARK CREEK NEAR WINSLOW NE1/4NW1/4 SEC. 19-19-9 E.	09/09/88 11/30/88	0.03 5.4

PLATTE RIVER BASIN
(ELKHORN RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>LOWER ELKHORN RIVER</u>		
RAWHIDE CREEK (OLD CHANNEL) NEAR VALLEY NE1/4NW1/4 SEC. 21-16-10 E.	12/07/88	34
BIG SLOUGH NEAR KING LAKE SW1/4NW1/4 SEC. 28-16-10 E.	06/15/88 12/07/88	2.8 2.1
ELKHORN RIVER, TRIBUTARY TO, NEAR VENICE NE1/4NW1/4 SEC. 9-14-10 E.	12/07/88	0.08

PLATTE RIVER BASIN
(SALT CREEK)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>SALT CREEK</u>			<u>SALT CREEK</u>		
SPRING BRANCH CREEK NEAR SPRAGUE SW1/4NW1/4 SEC. 4-7-6 E.	05/19/88 10/28/88	0.17 0.31	CAMP CREEK NEAR WAVERLY NW1/4NW1/4 SEC. 12-11-8 E.	05/18/88 08/25/88	4.5 2.6
SALT CREEK NEAR ROCA NE1/4SE1/4 SEC. 24-8-6 E.	05/19/88 10/28/88	6.3 4.3	DEE CREEK NEAR GREENWOOD NE1/4SW1/4 SEC. 6-11-9 E.	11/04/88	1.9
SALT TRIBUTARY NEAR WAGON TRAIN LAKE SE1/4SE1/4 SEC. 14-8-7 E.	05/19/88 10/28/88	0.13 0	GREENWOOD CREEK NEAR GREENWOOD NE1/4NW1/4 SEC. 28-12-9 E.	11/04/88	1.7
SALT CREEK AT LINCOLN NW1/4NW1/4 SEC. 11-9-6 E.	05/17/88 10/24/88	0.69 0.21	ROBINSON BRANCH CREEK NEAR GREENWOOD SE1/4SE1/4 SEC. 18-12-9 E.	11/07/88	1.4
HAINES BRANCH CREEK NEAR DENTON SE1/4NW1/4 SEC. 14-9-5 E.	05/19/88 10/24/88	2.7 1.1	CALLAHAN CREEK NEAR GREENWOOD SW1/4SW1/4 SEC. 15-12-9 E.	11/07/88	2.9
HAINES BRANCH NEAR LINCOLN NE1/4NE1/4 SEC. 4-9-6 E.	05/20/88 10/28/88	6.0 4.3	WAHOO CREEK NEAR WESTON SE1/4NW1/4 SEC. 10-14-6 E.	11/08/88	3.1
MIDDLE CREEK, NORTH BRANCH, NEAR PANNEE LAKE SW1/4SW1/4 SEC. 31-11-5 E.	05/19/88 11/02/88	2.7 0.90	WAHOO CREEK, NORTH FORK, NEAR MALMO SW1/4NW1/4 SEC. 29-15-6 E.	10/21/88	1.9
MIDDLE CREEK AT LINCOLN NEAR CODDINGTON STREET NE1/4SW1/4 SEC. 28-10-6 E.	05/20/88 10/28/88	5.8 3.2	NORTH FORK WAHOO TRIBUTARY NEAR WESTON NE1/4SE1/4 SEC. 31-15-6 E.	10/21/88	2.5
BATES BRANCH OF SALT CREEK NEAR TOUHY NE1/4SE1/4 SEC. 21-13-5 E.	10/21/88	0.20	SAND CREEK NEAR PRAGUE SW1/4SW1/4 SEC. 12-16-5 E.	11/07/88	0.86
NORTH OAK CREEK NEAR RAYMOND SE1/4SE1/4 SEC. 2-12-5 E.	05/18/88 10/26/88	9.0 5.3	SPRING CREEK NEAR PRAGUE NW1/4NW1/4 SEC. 23-16-6 E.	11/07/88	0.14
OAK CREEK NEAR GARLAND SE1/4NE1/4 SEC. 13-12-4 E.	11/02/88	0.93	DUCK CREEK NEAR COLON SE1/4SW1/4 SEC. 9-15-7 E.	11/07/88	0.37
MIDDLE OAK CREEK NEAR GARLAND NE1/4SE1/4 SEC. 22-12-4 E.	11/02/88	1.1	SAND CREEK NEAR WAHOO SE1/4SE1/4 SEC. 3-14-7 E.	11/08/88	12
OAK CREEK NEAR RAYMOND NW1/4NW1/4 SEC. 6-11-6 E.	05/18/88 10/26/88	4.2 1.0	SILVER CREEK NEAR ITHACA NE1/4NW1/4 SEC. 34-14-8 E.	11/08/88	8.4
ELK CREEK NEAR LINCOLN NW1/4NW1/4 SEC. 31-11-6 E.	05/19/88 10/26/88	1.2 0.60	WAHOO CREEK NEAR ASHLAND SE1/4NE1/4 SEC. 35-13-9 E.	11/08/88	55
DEADMANS RUN AT LINCOLN SE1/4SW1/4 SEC. 7-10-7 E.	05/20/88 10/25/88	1.3 0.58	JOHNSON CREEK NEAR MEMPHIS SE1/4SE1/4 SEC. 27-14-9 E.	11/08/88	1.6
JORDAN CREEK NEAR WAVERLY NW1/4NW1/4 SEC. 18-11-8 E.	05/28/88 10/25/88	1.2 0.64	CLEAR CREEK NEAR ASHLAND SE1/4SE1/4 SEC. 23-13-9 E.	11/08/88	9.6
ROCK CREEK NEAR DAVEY NW1/4NW1/4 SEC. 5-12-7 E.	05/18/88 10/26/88	7.1 6.8			
ROCK CREEK NEAR WAVERLY SW1/4NW1/4 SEC. 35-12-8 E.	05/18/88 10/25/88	15 11			

PLATTE RIVER BASIN

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<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>PLATTE RIVER, SALT CREEK TO MOUTH</u>		
PANNEE CREEK NEAR SOUTH BEND NW1/4NW1/4 SEC. 15-12-10 E.	11/07/88	1.5
PLATTE RIVER, TRIBUTARY TO, NEAR SOUTH BEND NE1/4NE1/4 SEC. 11-12-10 E.	12/08/88	0.31
FOUNTAIN CREEK NEAR SOUTH BEND SE1/4NE1/4 SEC. 24-12-10 E.	11/07/88	2.2
DECKER CREEK NEAR LOUISVILLE NW1/4SE1/4 SEC. 29-12-11 E.	11/08/88	2.0
MILL CREEK NEAR LOUISVILLE SE1/4SE1/4 SEC. 15-12-11 E.	11/08/88	1.2
BUFFALO CREEK NEAR SPRINGFIELD SW1/4SW1/4 SEC. 36-13-11 E.	12/08/88	1.9
CEDAR CREEK NEAR LOUISVILLE SE1/4SW1/4 SEC. 19-12-12 E.	11/08/88	2.2
TURTLE CREEK NEAR SPRINGFIELD NW1/4SW1/4 SEC. 25-13-11 E.	12/08/88	0.15
TURKEY CREEK NEAR CEDAR CREEK NW1/4SE1/4 SEC. 5-12-12 E.	11/08/88	0.78
FOUR MILE NEAR PLATTSMOUTH SE1/4SW1/4 SEC. 16-12-13 E.	11/08/88	3.1
SPRINGFIELD CREEK NEAR SPRINGFIELD SW1/4SE1/4 SEC. 36-13-11 E.	12/08/88	2.4
ZWIBEL CREEK NEAR PAPILLION NE1/4NW1/4 SEC. 30-13-13 E.	06/09/88 12/08/88	3.0 1.2
EIGHT MILE CREEK NEAR PLATTSMOUTH SE1/4SW1/4 SEC. 9-12-13 E.	11/08/88	6.2

MISSOURI RIVER TRIBUTARIES
(PLATTE TO LITTLE NEMAH)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>MISSOURI TRIBS., PLATTE RIVER TO WEEPING WATER CREEK</u>			<u>MISSOURI TRIBS., WEEPING WATER CR. TO LITTLE NEMAH R.</u>		
ROCK CREEK NEAR ROCK BLUFF NE1/4SW1/4 SEC. 17-11-14 E.	11/08/88	1.5	NORTH TABLE CREEK AT NEBRASKA CITY SE1/4SE1/4 SEC. 5-8-14 E.	11/04/88	0.53
MUD CREEK NEAR MURRAY SE1/4NE1/4 SEC. 17-11-14 E.	11/08/88	0.22	SOUTH TABLE CREEK AT NEBRASKA CITY SE1/4SE1/4 SEC. 8-8-14 E.	11/04/88	0.56
RAKES CREEK NEAR MURRAY NW1/4NW1/4 SEC. 5-10-14 E.	11/08/88	0.34	FOUR MILE CREEK NEAR NEBRASKA CITY NE1/4SE1/4 SEC. 25-8-14 E.	11/03/88	0
ERVINE CREEK NEAR UNION SW1/4SW1/4 SEC. 17-10-14 E.	11/08/88	0.04	CAMP CREEK NEAR JULIAN NE1/4NE1/4 SEC. 36-7-14 E.	11/03/88	2.6
<u>WEEPING WATER CREEK</u>			HONEY CREEK NEAR PERU NW1/4NW1/4 SEC. 36-6-15 E.	10/24/88	1.9
STOVE CREEK NEAR ELMWOOD SE1/4SW1/4 SEC. 10-10-10 E.	11/14/88	0.52			
WEEPING WATER CREEK, NORTH BRANCH NEAR ELMWOOD SW1/4SW1/4 SEC. 35-11-10 E.	11/14/88	1.9			
WEEPING WATER CREEK, NORTH BRANCH NEAR WEEPING WATER NW1/4NW1/4 SEC. 3-10-11 E.	11/14/88	5.9			
CASCADE CREEK NEAR WEEPING WATER SE1/4NE1/4 SEC. 11-10-11 E.	11/15/88	0.28			
SOUTH CEDAR CREEK NEAR WEEPING WATER NE1/4NW1/4 SEC. 5-10-12 E.	11/15/88	0.97			
WEEPING WATER CREEK, TRIBUTARY TO, NORTH BRANCH, NEAR NEHAWKA SE1/4NW1/4 SEC. 18-10-13 E.	11/15/88	1.9			
WEEPING WATER CREEK, SOUTH BRANCH AT AVOCA SE1/4NW1/4 SEC. 31-10-12 E.	11/15/88	0.78			
FLOOD CREEK NEAR NEHAWKA SE1/4SE1/4 SEC. 2-9-12 E.	11/04/88	0.66			
GOOSE CREEK NEAR NEHAWKA SW1/4SW1/4 SEC. 6-9-13 E.	11/04/88	0.34			
RIG SLOUGH NEAR UNION NE1/4NW1/4 SEC. 33-10-13 E.	11/08/88	0			
WEEPING WATER CREEK, SOUTH BRANCH NEAR UNION NE1/4NW1/4 SEC. 27-10-13 E.	11/08/88	5.7			
WOLF CREEK NEAR UNION SW1/4SE1/4 SEC. 35-10-13 E.	11/08/88	0			
<u>MISSOURI TRIBS., WEEPING WATER CR. TO LITTLE NEMAH R.</u>					
WALNUT CREEK NEAR NEBRASKA CITY SE1/4NE1/4 SEC. 36-9-13 E.	11/04/88	3.0			

LITTLE NEMAHA RIVER BASIN

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<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>UPPER LITTLE NEMAHA RIVER</u>			<u>LOWER LITTLE NEMAHA RIVER</u>		
LITTLE NEMAHA RIVER NEAR BENNET NW1/4SW1/4 SEC. 6-8-9 E.	11/08/88	0	FOX CREEK NEAR DUNBAR SW1/4SW1/4 SEC. 18-8-13 E.	11/04/88	0.54
SILVER CREEK NEAR PALMYRA NW1/4SE1/4 SEC. 2-8-9 E.	11/08/88	1.5	LITTLE NEMAHA RIVER, NORTH FORK NEAR LORTON SW1/4SW1/4 SEC. 12-7-12 E.	11/03/88	4.0
LITTLE NEMAHA RIVER NEAR UNADILLA NW1/4NE1/4 SEC. 5-8-10 E.	06/24/88 11/08/88	11 3.3	SANDY CREEK NEAR TALMAGE SW1/4SW1/4 SEC. 32-7-13 E.	11/03/88	0.83
HOOPER CREEK NEAR UNADILLA SE1/4NE1/4 SEC. 30-9-10 E.	11/08/88	2.6	JONES CREEK NEAR BROCK SE1/4SW1/4 SEC. 6-6-13 E.	10/24/88	0.92
WOLF CREEK NEAR SYRACUSE NE1/4NE1/4 SEC. 18-8-11 E.	11/08/88	1.1	HOUCSHINS CREEK NEAR BROCK SW1/4SE1/4 SEC. 16-6-13 E.	10/24/88	0.72
LITTLE NEMAHA RIVER NEAR SYRACUSE SW1/4NW1/4 SEC. 27-8-11 E.	07/11/88 08/05/88 11/03/88	28 6.2 11	LITTLE NEMAHA TRIBUTARY NEAR GLEN ROCK SE1/4NW1/4 SEC. 26-6-13 E.	10/24/88	0.39
BROWNELL CREEK NEAR SYRACUSE SE1/4SW1/4 SEC. 26-8-11 E.	11/03/88	0.84	ROCK CREEK NEAR AUBURN NW1/4SE1/4 SEC. 29-6-14 E.	10/24/88	3.0
MUDDY CREEK NEAR SYRACUSE NW1/4NW1/4 SEC. 23-7-11 E.	11/03/88	2.5	ORD CREEK NEAR AUBURN SE1/4NE1/4 SEC. 7-5-14 E.	10/24/88	0.48
LITTLE NEMAHA RIVER, SOUTH FORK AT DOUGLAS SW1/4NW1/4 SEC. 11-7-9 E.	11/08/88	0.35	LONGS CREEK NEAR AUBURN SW1/4NE1/4 SEC. 16-5-14 E.	10/25/88	3.3
SANDER CREEK NEAR BURR SE1/4SW1/4 SEC. 5-6-10 E.	11/03/88	0	WILLOW CREEK NEAR AUBURN NW1/4SW1/4 SEC. 11-5-14 E.	10/25/88	0.35
SILVER CREEK NEAR COOK NW1/4NW1/4 SEC. 12-6-10 E.	11/03/88	1.5	HUGHES CREEK NEAR AUBURN NE1/4SW1/4 SEC. 36-5-14 E.	10/25/88	0.86
TURKEY CREEK NEAR COOK NE1/4SW1/4 SEC. 8-6-11 E.	11/03/88	1.9	INDIAN CREEK NEAR AUBURN NE1/4NE1/4 SEC. 7-4-15 E.	10/25/88	0.54
COON CREEK NEAR COOK NW1/4NW1/4 SEC. 15-6-11 E.	11/03/88	0.80	SWARTZ RUN NEAR NEMAHA SE1/4SW1/4 SEC. 28-5-15 E.	10/25/88	0.82
LITTLE NEMAHA RIVER, SOUTH FORK NEAR TALMAGE NE1/4NW1/4 SEC. 29-7-12 E.	11/03/88	18	HAPPY HOLLOW NEAR NEMAHA NE1/4NW1/4 SEC. 2-4-15 E.	10/25/88	0.40
SPRING CREEK NEAR TALMAGE NW1/4NW1/4 SEC. 27-7-12 E.	11/03/88	1.0	JIVERS CREEK NEAR NEMAHA NW1/4NW1/4 SEC. 23-4-15 E.	10/25/88	0.40
<u>LOWER LITTLE NEMAHA RIVER</u>			WHISKEY RUN NEAR NEMAHA NE1/4NE1/4 SEC. 24-4-15 E.	10/25/88	1.1
LITTLE NEMAHA RIVER, NORTH FORK NEAR OTOE SE1/4SW1/4 SEC. 19-9-12 E.	06/24/88 11/04/88	0.62 1.6			
WILSON CREEK NEAR DUNBAR SE1/4SW1/4 SEC. 12-8-12 E.	11/04/88	1.1			

MISSOURI RIVER TRIBUTARIES
(LITTLE NEMAHA TO BIG NEMAHA)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>MISSOURI TRIBS., LITTLE NEMAHA R. TO BIG NEMAHA R.</u>		
DEROIN CREEK NEAR NEMAHA SE1/4SW1/4 SEC. 21-4-16 E.	10/25/88	0.59
BEADOW CREEK NEAR SHUBERT NW1/4SW1/4 SEC. 26-4-16 E.	10/25/88	0.23
GOUCHER HOLLOW CREEK NEAR BARADA SW1/4SW1/4 SEC. 22-3-17 E.	10/27/88	0
WINNEBAGO CREEK NEAR RULO SE1/4SE1/4 SEC. 30-2-18 E.	10/27/88	1.8

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>NORTH FORK OF THE BIG NEMAHA RIVER</u>			<u>SOUTH FORK OF THE BIG NEMAHA RIVER</u>		
BIG NEMAHA RIVER MIDDLE BRANCH NEAR ADAMS SW1/4SW1/4 SEC. 16-6-8 E.	10/20/88	0	TURKEY CREEK NEAR PAWNEE CITY NW1/4NE1/4 SEC. 26-1-11 E.	11/01/88	1.1
SHAW CREEK NEAR ADAMS SW1/4SW1/4 SEC. 21-6-8 E.	05/20/88 10/20/88	1.4 0.99	TURKEY CREEK, WEST BRANCH, NEAR PAWNEE CITY SW1/4NW1/4 SEC. 33-2-11 E.	11/01/88	0.21
JAKES CREEK AT ADAMS SW1/4SW1/4 SEC. 22-6-8 E.	05/20/88 10/18/88	0.17 0.01	JOHNSON CREEK NEAR DUBOIS SW1/4NW1/4 SEC. 26-1-11 E.	11/01/88	0
NORTH FORK, BIG NEMAHA RIVER NEAR STERLING NW1/4SW1/4 SEC. 16-6-9 E.	07/11/88 11/03/88	85 0.72	BIG NEMAHA RIVER, SOUTH FORK, NEAR DU BOIS SE1/4NW1/4 SEC. 18-1-13 E.	11/02/88	7.7
BIG NEMAHA RIVER, NORTH FORK AT STERLING NE1/4SE1/4 SEC. 27-6-9 E.	11/03/88	10.0	FOUR MILE CREEK NEAR DAWSON NE1/4NE1/4 SEC. 6-1-14 E.	10/28/88	0.46
YANKEE CREEK NEAR TECUMSEH NW1/4NW1/4 SEC. 25-5-10 E.	11/03/88	0.59	RATTLESNAKE CREEK NEAR SALEM NW1/4NW1/4 SEC. 21-1-14 E.	10/28/88	0.26
BREWERS BRANCH NEAR TECUMSEH SE1/4SW1/4 SEC. 28-5-10 E.	11/03/88	0.23	SPRING CREEK NEAR SALEM SW1/4SW1/4 SEC. 9-1-14 E.	10/28/88	1.1
BADGER BRANCH NEAR TECUMSEH SE1/4SE1/4 SEC. 30-5-11 E.	11/02/88	0.72	EASLY CREEK NEAR SALEM NW1/4NW1/4 SEC. 17-1-14 E.	10/28/88	0.52
BIG NEMAHA RIVER, NORTH FORK AT TECUMSEH NW1/4NW1/4 SEC. 33-5-11 E.	06/24/88 07/11/88 11/03/88	17 46 21	HOLY CREEK NEAR DAWSON NE1/4SE1/4 SEC. 10-1-14 E.	10/28/88	0
CORSON BRANCH NEAR TECUMSEH SW1/4NW1/4 SEC. 3-4-11 E.	11/02/88	0.23	HONEY CREEK NEAR SALEM NW1/4NW1/4 SEC. 13-1-14 E.	10/28/88	0.53
TODD CREEK NEAR ELK CREEK SE1/4NE1/4 SEC. 36-4-11 E.	11/02/88	1.2	ROCK CREEK NEAR SALEM NW1/4NW1/4 SEC. 15-1-15 E.	10/27/88	0.76
CLEAR CREEK AT TABLE ROCK SW1/4NE1/4 SEC. 32-3-12 E.	11/01/88	0.52	BIG NEMAHA RIVER, SOUTH FORK AT SALEM NE1/4SW1/4 SEC. 10-1-15 E.	10/27/88	11
TAYLOR BRANCH AT TABLE ROCK NE1/4SE1/4 SEC. 32-3-12 E.	11/01/88	0.30	<u>LOWER BIG NEMAHA RIVER</u>		
DRY BRANCH NEAR HUMBOLDT NE1/4NW1/4 SEC. 19-2-13 E.	11/01/88	0.06	PONY CREEK NEAR FALLS CITY SE1/4SE1/4 SEC. 22-1-16 E.	10/27/88	3.0
LONG BRANCH NEAR HUMBOLDT SE1/4SE1/4 SEC. 4-2-13 E.	11/02/88	4.0	WALNUT CREEK NEAR FALLS CITY SE1/4NW1/4 SEC. 36-1-16 E.	10/27/88	2.6
<u>SOUTH FORK OF THE BIG NEMAHA RIVER</u>			HOOSIER CREEK NEAR STELLA SE1/4SW1/4 SEC. 17-3-15 E.	10/26/88	0.20
ROCK CREEK NEAR STEINAUER SW1/4SW1/4 SEC. 24-3-10 E.	11/01/88	0	WHISKEY RUN NEAR STELLA SE1/4SE1/4 SEC. 23-3-14 E.	10/26/88	0.65
BALLS BRANCH NEAR PAWNEE CITY NW1/4SE1/4 SEC. 30-2-11 E.	11/01/88	0	LITTLE MUDDY CREEK NEAR STELLA NE1/4SE1/4 SEC. 19-3-15 E.	10/26/88	5.8
			SARDINE CREEK NEAR VERDON SW1/4NE1/4 SEC. 10-2-15 E.	10/26/88	1.2

BIG NEMAHA RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER BIG NEMAHA RIVER</u>		
MUDDY CREEK AT VERDON NE1/4NW1/4 SEC. 15-2-15 E.	10/26/88	19
MACKELROY CREEK NEAR VERDON SW1/4SW1/4 SEC. 17-2-16 E.	10/26/88	0.91
GOOLSBY CREEK NEAR FALLS CITY NW1/4NW1/4 SEC. 28-2-16 E.	10/26/88	0.46
SILVER BRANCH NEAR FALLS CITY SW1/4SW1/4 SEC. 26-2-16 E.	10/26/88	0.63
HALFBREED CREEK NEAR FALLS CITY NE1/4NW1/4 SEC. 6-1-17 E.	10/27/88	3.2
MUDDY CREEK NEAR PRESTON SW1/4NW1/4 SEC. 16-1-17 E.	10/27/88	30
NOHARTS CREEK NEAR PRESTON SW1/4SW1/4 SEC. 36-1-17 E.	10/27/88 10/27/88	2.0 2.3
ROYS CREEK NEAR RULO SE1/4NE1/4 SEC. 33-1-18 E.	10/27/88	3.5

REPUBLICAN RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>UPPER REPUBLICAN RIVER</u>			<u>FRENCHMAN CREEK</u>		
SAND CANYON NEAR HATGLER NE1/4SW1/4 SEC. 30-1-40 W.	08/12/88	0	STINKINGWATER CREEK NEAR HAMLET SW1/4SW1/4 SEC. 5-5-34 W.	08/11/88	15
INDIAN CREEK NEAR MAX NW1/4SW1/4 SEC. 16-2-36 W.	08/12/88	0.96	ROBTAIL CREEK AT PALISADE SW1/4NE1/4 SEC. 1-4-34 W.	08/11/88	0.83
INDIAN CREEK NEAR MAX SW1/4NW1/4 SEC. 23-2-36 W.	08/12/88	0.32	FRENCHMAN CREEK NEAR BEVERLY SW1/4NE1/4 SEC. 23-4-33 W.	08/12/88	8.4
MUDDY CREEK NEAR STRATTON NW1/4NE1/4 SEC. 14-2-35 W.	08/12/88	0	<u>MIDDLE REACH OF THE REPUBLICAN RIVER</u>		
ELM CREEK NEAR TRENTON SW1/4SW1/4 SEC. 33-3-33 W.	08/12/88	0.52	BLACKWOOD CREEK NEAR CULBERTSON SE1/4SW1/4 SEC. 33-4-31 W.	08/12/88	2.1
MASSACRE CANYON NEAR TRENTON SW1/4NE1/4 SEC. 30-3-32 W.	08/12/88	0.06	RED WILLOW CREEK NEAR WALLACE SE1/4SW1/4 SEC. 3-9-33 W.	08/11/88	0
<u>FRENCHMAN CREEK</u>			RED WILLOW CREEK NEAR DICKENS SW1/4NE1/4 SEC. 25-9-33 W.	08/11/88	2.9
FRENCHMAN CREEK ABOVE ARTERBURN RESERVOIR SW1/4NW1/4 SEC. 11-6-41 W.	07/20/88	0	RED WILLOW CREEK NEAR SUTTLERS CANYON SE1/4NW1/4 SEC. 21-8-32 W.	08/11/88	1.9
FRENCHMAN CREEK BELOW ARTERBURN RESERVOIR NW1/4SE1/4 SEC. 18-6-40 W.	07/20/88	1.3	RED WILLOW CREEK NEAR HAYES CENTER NE1/4NW1/4 SEC. 34-8-32 W.	08/11/88	3.2
FRENCHMAN CREEK NEAR CHAMPION SW1/4NW1/4 SEC. 22-6-40 W.	07/20/88	4.0	RED WILLOW CREEK ABOVE HUGH BUTLER RESERVOIR SE1/4NW1/4 SEC. 35-6-31 W.	08/11/88	7.6
FRENCHMAN CREEK AT CHAMPION NW1/4SW1/4 SEC. 22-6-39 W.	08/11/88	8.2	MEDICINE CREEK NEAR DICKENS SW1/4SW1/4 SEC. 22-10-31 W.	08/11/88	0.63
SAND CREEK NEAR CHAMPION SE1/4NW1/4 SEC. 22-6-39 W.	08/11/88	0.08	MEDICINE CREEK NEAR WELLFLEET SW1/4NE1/4 SEC. 35-10-31 W.	08/11/88	3.0
FRENCHMAN CREEK NEAR HAMLET SW1/4SW1/4 SEC. 19-5-34 W.	08/11/88	146	MEDICINE CREEK AT MAYWOOD NE1/4NE1/4 SEC. 21-8-29 W.	07/26/88	14
STINKINGWATER CREEK NEAR ELSIE NE1/4NW1/4 SEC. 32-9-36 W.	08/11/88	0	BRUSHY CREEK NEAR MAYWOOD SW1/4SW1/4 SEC. 28-8-29 W.	07/26/88	0.04
STINKING WATER CREEK NEAR WAUNETA SE1/4SE1/4 SEC. 23-7-36 W.	08/11/88	1.4	WELL CANYON AT CURTIS SE1/4SW1/4 SEC. 29-8-28 W.	07/26/88	0
SPRING CREEK NEAR IMPERIAL SE1/4SE1/4 SEC. 4-7-38 W.	08/11/88	0	MEDICINE CREEK AT CURTIS NE1/4NE1/4 SEC. 32-8-28 W.	07/26/88	18
SPRING CREEK NEAR ENDERS SE1/4SE1/4 SEC. 32-7-36 W.	08/11/88	2.6	CURTIS CREEK NEAR CURTIS SW1/4SW1/4 SEC. 36-8-28 W.	07/26/88	0
DITTONS CREEK NEAR ENDERS NE1/4SE1/4 SEC. 32-7-36 W.	08/11/88	0	MUDDY CREEK NEAR HARRY STRUNK RESERVOIR SE1/4SW1/4 SEC. 28-6-24 W.	07/26/88	0.54
SPRING CREEK NEAR WAUNETA SE1/4NE1/4 SEC. 11-6-36 W.	08/11/88	2.3	TURKEY CREEK, EAST BRANCH, TRIBUTARY TO, NEAR BERTRAND NW1/4NW1/4 SEC. 19-6-21 W.	07/26/88	3.0

REPUBLICAN RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>MIDDLE REACH OF THE REPUBLICAN RIVER</u>			<u>MIDDLE REACH OF THE REPUBLICAN RIVER</u>		
TURKEY CREEK, EAST BRANCH, NEAR BERTRAND NE1/4SE1/4 SEC. 36-6-22 W.	07/26/88	5.0	METHODIST CREEK NEAR ALMA NE1/4NE1/4 SEC. 35-2-18 W.	07/12/88	0.49
TURKEY CREEK, WEST BRANCH, NEAR ELWOOD SE1/4NE1/4 SEC. 2-5-22 W.	07/26/88	0.07	PRAIRIE DOG CREEK NEAR ALMA SE1/4NE1/4 SEC. 33-1-18 W.	07/12/88	0
SPRING CREEK NEAR LOOMIS NE1/4SW1/4 SEC. 9-5-20 W.	07/12/88	0	<u>LOWER REPUBLICAN RIVER</u>		
SPRING CREEK NEAR ATLANTA SW1/4SE1/4 SEC. 21-5-20 W.	07/12/88	0.28	EUREKA CREEK NEAR REPUBLICAN CITY SE1/4SW1/4 SEC. 36-2-17 W.	07/12/88	0
ELM CREEK NEAR ATLANTA NE1/4NW1/4 SEC. 35-5-20 W.	07/12/88	0	CRYSTAL CREEK NEAR NAPONEE NW1/4NW1/4 SEC. 18-1-16 W.	06/24/88	0.01
ELM CREEK NEAR MASCOT NW1/4NW1/4 SEC. 10-4-20 W.	07/12/88	0	TURKEY CREEK, TRIBUTARY TO, NEAR HUNTLEY SE1/4NW1/4 SEC. 21-3-17 W.	07/12/88	0
SPRING CREEK NEAR MASCOT SW1/4SE1/4 SEC. 16-4-20 W.	07/12/88	1.1	TURKEY CREEK NEAR HUNTLEY SW1/4SE1/4 SEC. 27-3-17 W.	07/12/88	0.70
SPRING CREEK NEAR OXFORD NW1/4NE1/4 SEC. 15-3-20 W.	05/27/88	4.3	TURKEY CREEK NEAR REPUBLICAN CITY NW1/4NE1/4 SEC. 2-12-17 W.	07/12/88	0
DEEP CREEK NEAR MASCOT NE1/4NE1/4 SEC. 15-3-20 W.	05/27/88	0	TURKEY CREEK NEAR REPUBLICAN CITY SE1/4SE1/4 SEC. 12-2-17 W.	07/12/88	4.7
FOSTER CREEK NEAR MASCOT SW1/4SW1/4 SEC. 13-3-20 W.	05/27/88	0	TURKEY CREEK NEAR NAPONEE NW1/4SW1/4 SEC. 20-2-16 W.	08/15/88	12
FOSTER CREEK NEAR ORLEANS NW1/4NE1/4 SEC. 26-3-20 W.	05/27/88	0.25	TURKEY CREEK NEAR NAPONEE SW1/4SW1/4 SEC. 4-1-16 W.	08/15/88	15
SAPPA CREEK NEAR HENDLEY SW1/4SE1/4 SEC. 35-1-24 W.	05/27/88	5.4	REBECCA CREEK NEAR NAPONEE NE1/4NW1/4 SEC. 14-1-16 W.	06/24/88	0
SAPPA CREEK NEAR BEAVER CITY SW1/4SW1/4 SEC. 14-1-23 W.	05/27/88	7.1	LOCHLIE CREEK NEAR BLOOMINGTON NE1/4NE1/4 SEC. 13-1-16 W.	06/24/88	0
SAPPA CREEK NEAR HOLLINGER SE1/4NE1/4 SEC. 26-2-21 W.	05/27/88	9.9	COTTONWOOD CREEK NEAR BLOOMINGTON NE1/4NE1/4 SEC. 1-1-16 W.	08/15/88	3.5
BEAVER CREEK AT WILSONVILLE NW1/4NE1/4 SEC. 35-2-25 W.	05/27/88	0.25	LITTLE COTTONWOOD CREEK NEAR BLOOMINGTON NW1/4SE1/4 SEC. 31-2-15 W.	08/15/88	1.7
BEAVER CREEK NEAR HOLLINGER NE1/4SE1/4 SEC. 23-2-21 W.	05/27/88	1.6	LOST CREEK NEAR BLOOMINGTON NW1/4SW1/4 SEC. 10-1-15 W.	06/24/88	0.22
FLAG CREEK NEAR ORLEANS SE1/4SE1/4 SEC. 3-2-19 W.	07/12/88	0.01	CENTER CREEK NEAR FRANKLIN NE1/4SE1/4 SEC. 15-2-15 W.	08/15/88	5.4
ROPE CREEK NEAR ORLEANS SW1/4SE1/4 SEC. 13-2-19 W.	07/12/88	0.09	CALUMET CREEK NEAR FRANKLIN SW1/4SE1/4 SEC. 25-1-14 W.	06/24/88	0
COOK CREEK AT ALMA SW1/4SE1/4 SEC. 28-2-18 W.	07/12/88	0.26	COATES CREEK NEAR FRANKLIN NW1/4NE1/4 SEC. 33-2-14 W.	08/15/88	0.39

REPUBLICAN RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>LOWER REPUBLICAN RIVER</u>			<u>LOWER REPUBLICAN RIVER</u>		
WALNUT RUN NEAR FRANKLIN SE1/4NE1/4 SEC. 32-2-14 W.	08/15/88	0	INDIAN CREEK, TRIBUTARY TO, NEAR INVALE SW1/4SE1/4 SEC. 17-2-11 W.	08/17/88	0.45
REAMS CREEK NEAR FRANKLIN SE1/4SW1/4 SEC. 3-1-14 W.	06/24/88	0.16	INDIAN CREEK NEAR RED CLOUD SE1/4SW1/4 SEC. 21-2-11 W.	08/17/88	1.8
LOVELY CREEK NEAR FRANKLIN NW1/4SW1/4 SEC. 35-2-14 W.	08/15/88	1.4	INDIAN CREEK NEAR RED CLOUD SE1/4SW1/4 SEC. 33-2-11 W.	08/17/88	54
LOHFF CREEK NEAR RIVERTON SW1/4NW1/4 SEC. 4-1-13 W.	06/24/88	0.13	CROOKED CREEK AT RED CLOUD SW1/4NW1/4 SEC. 36-2-11 W.	08/17/88	1.0
THOMPSON CREEK, WEST BRANCH NEAR MACON NE1/4NE1/4 SEC. 28-3-14 W.	08/15/88	24	DRY CREEK NEAR AMBOY SE1/4SW1/4 SEC. 20-2-10 W.	08/17/88	0.14
THOMPSON CREEK, WEST BRANCH, NEAR RIVERTON SW1/4NW1/4 SEC. 4-2-13 W.	08/15/88	21	HICKS CREEK NEAR RED CLOUD NW1/4SW1/4 SEC. 10-1-10 W.	06/24/88	0
THOMPSON CREEK, MIDDLE BRANCH NEAR RIVERTON NW1/4NE1/4 SEC. 4-2-13 W.	08/15/88	0	ELM CREEK NEAR COWLES NE1/4NE1/4 SEC. 16-2-10 W.	08/17/88	0.14
THOMPSON CREEK, EAST BRANCH NEAR RIVERTON NE1/4NE1/4 SEC. 4-2-13 W.	08/15/88	0	ELM CREEK NEAR AMBOY SE1/4SE1/4 SEC. 21-2-10 W.	08/17/88	9.3
THOMPSON CREEK NEAR RIVERTON SW1/4SW1/4 SEC. 3-2-13 W.	08/15/88	33	WILLOW CREEK NEAR GUIDE ROCK SE1/4SW1/4 SEC. 36-2-10 W.	08/17/88	0.75
SASSACUS CREEK NEAR RIVERTON NE1/4SW1/4 SEC. 15-2-13 W.	08/15/88	0	ADVENT CREEK NEAR GUIDE ROCK SE1/4NE1/4 SEC. 18-1-9 W.	06/24/88	0.01
ROCK CREEK NEAR RIVERTON NW1/4SW1/4 SEC. 11-1-13 W.	06/24/88	0	ASH CREEK NEAR GUIDE ROCK SE1/4SW1/4 SEC. 15-1-9 W.	06/24/88	0
FARMERS CREEK NEAR INVALE SW1/4SE1/4 SEC. 17-2-12 W.	08/17/88	1.2	GIMLET CREEK NEAR SUPERIOR SW1/4NW1/4 SEC. 28-1-8 W.	08/17/88	0.10
FARMERS CREEK NEAR INVALE SW1/4SE1/4 SEC. 32-2-12 W.	08/17/88	2.7	BEAVER CREEK NEAR GUIDE ROCK NW1/4NW1/4 SEC. 24-2-9 W.	08/17/88	0.13
WALNUT CREEK NEAR INVALE SW1/4NE1/4 SEC. 8-1-12 W.	06/24/88	0.16	BEAVER CREEK, TRIBUTARY TO, NEAR GUIDE ROCK SE1/4SE1/4 SEC. 24-2-9 W.	08/17/88	0.05
BUFFALO CREEK NEAR INVALE SW1/4SE1/4 SEC. 2-1-12 W.	06/24/88	0	BEAVER CREEK NEAR SUPERIOR NE1/4NE1/4 SEC. 17-1-8 W.	08/17/88	2.2
LOUISA CREEK NEAR RED CLOUD NE1/4NE1/4 SEC. 17-1-11 W.	06/24/88	0.04	MIDDLE CREEK NEAR SUPERIOR SW1/4SW1/4 SEC. 10-1-8 W.	08/17/88	0.02
PENNY CREEK NEAR RED CLOUD NE1/4NE1/4 SEC. 16-1-11 W.	06/24/88	0.02	LOST CREEK AT SUPERIOR SE1/4SW1/4 SEC. 26-1-7 W.	08/17/88	0.16
INDIAN CREEK NEAR RED CLOUD SE1/4SW1/4 SEC. 16-2-11 W.	08/17/88	0.07	BLAKLEY CREEK NEAR SUPERIOR SW1/4SW1/4 SEC. 30-1-6 W.	08/17/88	1.9
			CROSBY CREEK NEAR HARDY NE1/4NW1/4 SEC. 34-1-6 W.	08/17/88	7.9

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER BIG BLUE RIVER</u>			<u>WEST FORK OF THE BIG BLUE RIVER</u>		
BIG BLUE RIVER, NORTH BRANCH NEAR RISING CITY SE1/4SW1/4 SEC. 31-15-2 E.	10/21/88 10/21/88	0.01 0.12	SCHOOL CREEK NEAR CRAFTON NW1/4SE1/4 SEC. 3-8-4 W.	05/17/88 10/19/88	0.23 0
BIG BLUE RIVER, NORTH BRANCH NEAR ULYSSES NE1/4NW1/4 SEC. 15-13-2 E.	10/21/88	4.0	BIG BLUE RIVER, WEST FORK NEAR MCCOOL JUNCTION NW1/4SW1/4 SEC. 36-9-3 W.	10/20/88	13
BIG BLUE RIVER NEAR STAPLEHURST SE1/4SW1/4 SEC. 10-12-2 E.	06/15/88 06/23/88 10/21/88	16 11 7.7	BIG BLUE RIVER, WEST FORK, TRIBUTARY TO NEAR MCCOOL JUNCTION SE1/4SW1/4 SEC. 13-9-3 W.	10/20/88	0
LINCOLN CREEK NEAR YORK SE1/4NE1/4 SEC. 24-11-3 W.	10/20/88	0	BIG BLUE RIVER, WEST FORK NEAR MCCOOL JUNCTION SW1/4NW1/4 SEC. 9-9-1 W.	10/21/88	32
LINCOLN CREEK NEAR GRESHAM SW1/4NW1/4 SEC. 26-12-1 W.	06/15/88 06/23/88 10/20/88	9.1 9.8 2.3	BEAVER CREEK AT YORK SW1/4SE1/4 SEC. 6-10-2 W.	10/19/88	1.5
PLUM CREEK NEAR DWIGHT SE1/4SW1/4 SEC. 23-13-3 E.	10/21/88	0.34	BEAVER CREEK NEAR BEAVER CROSSING NW1/4NW1/4 SEC. 32-10-1 E.	10/21/88	4.8
PLUM CREEK NEAR BEE NE1/4NE1/4 SEC. 21-12-3 E.	10/21/88	0.79	WALNUT CREEK NEAR BEAVER CROSSING NW1/4NW1/4 SEC. 8-9-2 E.	10/21/88	0.41
BIG WEEDY CREEK NEAR SEWARD NW1/4NW1/4 SEC. 3-11-3 E.	10/21/88	0.11	JOHNSON CREEK NEAR DORCHESTER NW1/4NE1/4 SEC. 6-8-3 E.	10/20/88	0.40
PLUM CREEK NEAR SEWARD NE1/4NW1/4 SEC. 15-11-3 E.	11/02/88	1.5	BIG BLUE RIVER, WEST FORK NEAR CRETE SE1/4NW1/4 SEC. 5-8-4 E.	10/20/88	58
CLARK CREEK NEAR SEWARD NW1/4NE1/4 SEC. 34-11-3 E.	11/02/88	0.34	<u>LOWER BIG BLUE RIVER</u>		
CROOKED CREEK NEAR SEWARD NW1/4NE1/4 SEC. 16-10-3 E.	10/21/88	0.12	WALNUT CREEK AT CRETE SE1/4NE1/4 SEC. 27-8-4 E.	10/20/88	0
BIG BLUE RIVER AT MILFORD NW1/4NW1/4 SEC. 26-10-3 E.	06/15/88 06/22/88 06/23/88 10/21/88	38 11 11 30	CLATONIA CREEK NEAR DEWITT NW1/4NW1/4 SEC. 17-5-5 E.	10/18/88	0.05
BIG BLUE RIVER AT BLUE BLUFFS DAM NW1/4NE1/4 SEC. 32-9-4 E.	06/23/88 10/20/88	18 32	TURKEY CREEK NEAR GENEVA NW1/4SW1/4 SEC. 21-7-2 W.	05/17/88 10/19/88	0.27 1.0
<u>WEST FORK OF THE BIG BLUE RIVER</u>			TURKEY CREEK, TRIBUTARY TO, NEAR GENEVA SW1/4SW1/4 SEC. 27-7-2 W.	05/17/88 10/19/88	0 0
BIG BLUE RIVER, WEST FORK, NEAR HASTINGS NE1/4NE1/4 SEC. 3-7-9 W.	10/26/88	3.9	TURKEY CREEK NEAR MILLIGAN SW1/4SW1/4 SEC. 19-7-1 E.	10/20/88	0.07
BIG BLUE RIVER, WEST FORK, NEAR HARVARD NW1/4NW1/4 SEC. 24-8-8 W.	10/26/88	4.6	TURKEY CREEK AT PLEASANT HILL SE1/4NE1/4 SEC. 10-7-3 E.	10/20/88	6.1
BIG BLUE RIVER, WEST FORK, TRIBUTARY TO NEAR STOCKHAM NW1/4SW1/4 SEC. 27-9-6 W.	10/26/88	0	SWAN CREEK, SOUTH FORK, NEAR SWANTON SE1/4NE1/4 SEC. 30-5-3 E.	10/18/88	0
BIG BLUE RIVER, WEST FORK, NEAR STOCKHAM NW1/4NW1/4 SEC. 30-9-5 W.	10/26/88	3.4	SPRING CREEK NEAR WESTERN NE1/4SE1/4 SEC. 3-5-2 E.	10/18/88	0.23
SCHOOL CREEK NEAR HARVARD NE1/4SE1/4 SEC. 9-7-6 W.	10/26/88	0	SWAN CREEK, NORTH FORK, NEAR SWANTON SW1/4SE1/4 SEC. 18-5-3 E.	10/18/88	0

BIG BLUE RIVER BASIN

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<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER BIG BLUE RIVER</u>		
SWAN CREEK NEAR DEWITT NW1/4SW1/4 SEC. 16-5-4 E.	10/18/88	7.4
TURKEY CREEK NEAR DEWITT NE1/4SW1/4 SEC. 29-5-5 E.	10/18/88	15
SOAP CREEK NEAR DEWITT SW1/4SE1/4 SEC. 27-5-5 E.	10/18/88	0
CUB CREEK NEAR BEATRICE SW1/4SW1/4 SEC. 24-4-5 E.	10/18/88	2.6
INDIAN CREEK AT BEATRICE SW1/4NW1/4 SEC. 27-4-6 E.	10/18/88	0.75
BEAR CREEK NEAR BEATRICE NW1/4NE1/4 SEC. 1-3-6 E.	10/20/88	3.5
CEDAR CREEK NEAR ROCKFORD SW1/4SE1/4 SEC. 8-3-7 E.	10/20/88	0.30
MUD CREEK NEAR BLUE SPRINGS SW1/4SE1/4 SEC. 33-3-7 E.	10/20/88	0
BIG INDIAN CREEK NEAR ODELL SW1/4SW1/4 SEC. 3-1-6 E.	11/03/88	0
SICILY CREEK NEAR ODELL SE1/4SW1/4 SEC. 34-2-6 E.	10/20/88	0.82
BIG INDIAN CREEK NEAR WYMORE NE1/4SE1/4 SEC. 30-1-7 E.	11/03/88	3.4
WILDCAT CREEK NEAR WYMORE SW1/4SE1/4 SEC. 30-2-8 E.	10/20/88	0.35
WOLF CREEK NEAR WYMORE NE1/4NE1/4 SEC. 31-2-8 E.	10/20/88	0.25
PLUM CREEK NEAR BARNESTON NW1/4SW1/4 SEC. 19-1-8 E.	11/03/88	0.81
MISSION CREEK NEAR BARNESTON SE1/4NE1/4 SEC. 36-1-7 E.	11/03/88	0

LITTLE BLUE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER LITTLE BLUE RIVER</u>			<u>BIG SANDY CREEK</u>		
LITTLE BLUE RIVER NEAR ROSELAND NW1/4SW1/4 SEC. 11-5-11 W.	10/25/88	0	LITTLE SANDY CREEK NEAR DAVENPORT NW1/4NW1/4 SEC. 8-4-4 W.	11/02/88	0
LITTLE BLUE RIVER AT AYR NW1/4NE1/4 SEC. 4-5-10 W.	10/25/88	0.31	DRY CREEK NEAR CARLETON NW1/4SE1/4 SEC. 21-4-3 W.	11/01/88	0
LITTLE BLUE RIVER NEAR AYR SE1/4SE1/4 SEC. 27-6-10 W.	10/25/88	6.9	BIG SANDY CREEK NEAR BELVIDERE NE1/4NE1/4 SEC. 8-3-2 W.	10/01/88	0
THIRTY-TWO MILE CREEK NEAR AYR NW1/4NW1/4 SEC. 26-6-10 W.	10/25/88	0	S.F. OF BIG SANDY CREEK SE1/4NE1/4 SEC. 17-3-2 W.	11/01/88	0
SCOTT CREEK NEAR AYR NW1/4SE1/4 SEC. 28-6-10 W.	10/25/88	0.04	TRIB TO BIG SANDY CREEK NEAR BELVIDERE SW1/4NE1/4 SEC. 1-3-2 W.	11/01/88	0
ASH CREEK AT PAULINE NW1/4NW1/4 SEC. 9-5-9 W.	10/25/88	0.09	DRY SANDY CREEK AT HIGHWAY 81 NEAR STRANG SW1/4SW1/4 SEC. 20-5-2 W.	10/19/88	0
LITTLE BLUE RIVER AT PAULINE SW1/4SE1/4 SEC. 4-5-9 W.	10/25/88	21	DRY SANDY CREEK NEAR STRANG SW1/4SE1/4 SEC. 33-5-2 W.	10/19/88	0
PANNEE CREEK NEAR DEWEESE NE1/4NE1/4 SEC. 16-5-8 W.	10/25/88	0.19	DRY SANDY CREEK NEAR ALEXANDRIA NW1/4SE1/4 SEC. 5-3-1 W.	11/01/88	0.01
DRY CREEK NEAR LAWRENCE SE1/4NE1/4 SEC. 2-4-8 W.	10/25/88	0.01	BIG SANDY CREEK NEAR ALEXANDRIA SW1/4SW1/4 SEC. 4-3-1 W.	11/01/88	8.7
WALNUT CREEK NEAR NELSON SW1/4SW1/4 SEC. 12-4-7 W.	10/25/88	0	BIG SANDY CREEK NEAR POWELL SE1/4SE1/4 SEC. 16-3-1 E.	10/19/88	29
LITTLE BLUE NEAR ANGUS NE1/4NE1/4 SEC. 34-4-6 W.	10/25/88	52	<u>LOWER LITTLE BLUE RIVER</u>		
FLK CREEK NEAR OAK SW1/4SW1/4 SEC. 7-3-5 W.	11/02/88	0	LITTLE SANDY CREEK NEAR FAIRBURY NW1/4NE1/4 SEC. 19-3-2 E.	10/19/88	0.83
LITTLE BLUE RIVER NEAR OAK COUNTY LINE SW1/4NW1/4 SEC. 19-3-4 W.	11/02/88	27	WHISKEY CREEK NEAR FAIRBURY NE1/4NW1/4 SEC. 4-2-2 E.	10/19/88	0.08
SPRING CREEK NEAR DESHLER SW1/4SE1/4 SEC. 23-2-4 W.	11/01/88	0	ROSE CREEK NEAR HUBBELL SW1/4SW1/4 SEC. 29-1-1 W.	11/01/88	0.02
SPRING CREEK, TRIBUTARY TO, AT DESHLER NE1/4SE1/4 SEC. 14-2-4 W.	11/01/88	0	SPRING BRANCH NEAR HUBBELL NE1/4SE1/4 SEC. 17-1-1 W.	11/01/88	2.5
SPRING CREEK, TRIBUTARY TO, NEAR HEBRON NE1/4NW1/4 SEC. 22-2-3 W.	11/01/88	0.42	BALLS BRANCH NEAR REYNOLDS NE1/4NW1/4 SEC. 12-1-1 W.	11/01/88	2.0
SPRING CREEK NEAR HEBRON SE1/4NE1/4 SEC. 12-2-3 W.	11/01/88	2.2	WILEY CREEK NEAR REYNOLDS SE1/4SE1/4 SEC. 22-1-1 E.	10/19/88	0
DRY CREEK NEAR HEBRON NE1/4NE1/4 SEC. 15-2-2 W.	11/01/88	0.31	BUCKLEY CREEK NEAR REYNOLDS SW1/4NE1/4 SEC. 11-1-1 E.	10/19/88 10/19/88	0.78 0.78
<u>BIG SANDY CREEK</u>			SILVER CREEK NEAR REYNOLDS SE1/4SW1/4 SEC. 17-1-2 E.	10/19/88	0
BIG SANDY CREEK NEAR DAVENPORT NW1/4NW1/4 SEC. 7-4-4 W.	11/02/88	0			

LITTLE BLUE RIVER BASIN

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<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER LITTLE BLUE RIVER</u>		
ROSE CREEK	10/19/88	5.5
NEAR ENDICOTT	10/19/88	5.5
NW1/4NW1/4 SEC. 12-1-2 E.		
DRY CREEK	10/19/88	0
NEAR FAIRBURY		
SW1/4SE1/4 SEC. 12-1-2 E.		
SMITH CREEK	10/19/88	0
NEAR ENDICOTT		
SE1/4NE1/4 SEC. 5-1-3 E.		
ROCK CREEK	10/19/88	0.01
AT ENDICOTT		
NW1/4SE1/4 SEC. 4-1-3 E.		
COON CREEK	10/19/88	0
NEAR ENDICOTT		
SW1/4NE1/4 SEC. 14-1-3 E.		

**MISCELLANEOUS
MEASUREMENTS OF
CANAL AND PUMP DIVERSIONS**

1988

CHEYENNE RIVER BASIN

WHITE RIVER BASIN

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(HAT CREEK)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>HAT CREEK</u>			<u>WHITE RIVER</u>		
HAT CREEK CANAL, WEST--D-553 FROM WEST HAT CREEK SEC. 16-32-55 W.	09/26/88	0	STUART BROS. CANAL, SOUTH-- D-425R, A-8 FROM LITTLE COTTONWOOD CREEK SEC. 18-32-52 W.	04/08/88	1.9
SOW BELLY CANAL, OLD--D-533 FROM SOW BELLY CREEK SEC. 7-32-55 W.	09/26/88	0	CITY OF CRAWFORD PUMP-- A-2075 FROM WHITE RIVER SEC. 3-31-52 W.	08/01/88	0.24
ANDREWS SUPPLY CANAL--A-2530 FROM SOW BELLY CREEK SEC. 5-32-55 W.	09/26/88	0	WHITE RIVER CANAL--D-477, A-936 FROM WHITE RIVER SEC. 34-32-52 W.	06/20/88	0
ZIMMERMAN CANAL--A-532, A-4790 FROM SOW BELLY CREEK SEC. 34-33-55 W.	09/26/88	0	WHITNEY PIPELINE--A-1603, A-1625 FROM WHITE RIVER SEC. 26-32-52 W.	04/11/88 05/05/88 06/06/88 08/01/88 08/22/88 10/03/88 11/22/88	0 0 0 0 0 0 21
COFFEE CANAL--D-512 FROM HAT CREEK SEC. 26-33-55 W.	09/26/88	0	BARRON CANAL--A-2024, A-16376 FROM EAST ASH CREEK SEC. 32-32-50 W.	05/02/88	3.8
MONROE CANAL, BIG--D-506 FROM MONROE CREEK SEC. 33-33-56 W.	09/30/88	0	BARRON CANAL--D-438 FROM EAST ASH CREEK SEC. 32-32-50 W.	05/02/88 05/02/88	1.4 2.5
RICHARD JORDAN CANAL--A-2032 FROM MONROE CREEK SEC. 22-33-56 W.	10/04/88	0	STUMPH CANAL--D-1023 1/2 FROM EAST ASH CREEK SEC. 32-32-50 W.	04/11/88	0
MONTGOMERY CANAL--D-559 FROM SOW BELLY CREEK SEC. 21-33-55 W.	09/26/88	0			
WARBONNET CANAL--D-548, A-892 FROM WARBONNET CREEK SEC. 20 & 21-33-56 W.	09/30/88	0			
COFFEE FLOOD CANAL--A-1236, FROM HAT CREEK SEC. 14-33-55 W.	09/26/88	0			
O'CONNELL CANAL--A-2274, FROM JIM CREEK SEC. 17-33-55 W.	10/18/88	0			

Site and Location	Date	Discharge c.f.s.	Site and Location	Date	Discharge c.f.s.
<u>STATE LINE TO PUMPKIN CREEK</u>			<u>PUMPKIN CREEK</u>		
NINE MILE CANAL FROM NINE MILE DRAIN SEC. 10-21-53 W.	04/21/88	0	SPRING BRANCH CANAL--D-862R P-372; D-893R P-373; A-669R P-374 FROM LAWRENCE FORK CR SEC. 11-18-52 W.	06/07/88	0.93
	04/28/88	0			
	05/05/88	0			
	05/12/88	0			
	06/02/88	0			
	06/09/88	0	NIEHUS CANAL--A-550	06/07/88	0
	06/16/88	0	FROM LAWRENCE FORK CREEK		
	06/23/88	23	SEC. 11-18-52 W.		
	06/30/88	47			
	07/07/88	43	VARAH PUMP--A-550R	06/07/88	0
	07/14/88	42	FROM LAWRENCE FORK CREEK		
	07/21/88	44	SEC. 11-18-52 W.		
	07/28/88	40			
	08/04/88	40	SMITH-WHEELER CANAL, SOUTH	06/07/88	0
	08/11/88	43	D-842A--FROM PUMPKIN CREEK	07/20/88	0
	08/18/88	44	SEC. 26-19-51 W.		
	08/25/88	34			
	09/01/88	24	SMITH-WHEELER CANAL--NORTH	07/20/88	0
	09/08/88	24	D-842B--FROM PUMPKIN CREEK		
	09/15/88	18	SEC. 26-19-51 W.		
	09/23/88	19			
	09/29/88	13	<u>PUMPKIN CREEK TO KINGSLEY DAM</u>		
	10/06/88	0			
NORTHPORT CANAL SIPHON SE1/4 SEC. 25-21-50 W.	05/23/88	44	LISCO CANAL AT SECTION LINE	07/12/88	47
	05/25/88	56	SEC. 27-18-46 W.	07/26/88	32
	06/06/88	60		08/02/88	23
	06/20/88	103		08/09/88	28
	07/01/88	143		08/16/88	31
	07/22/88	156		08/23/88	31
<u>PUMPKIN CREEK</u>			LISCO CANAL SPILL TO NORTH PLATTE RIVER	06/13/88	7.1
PETERS CANAL--D-913 FROM PUMPKIN CREEK SEC. 2-19-56 W.	07/20/88	0	SEC. 4-17-45 W.		
			BLUE CREEK CANAL	07/01/88	24
			AT SECTION LINE	07/07/88	28
			SEC. 17-16-42 W.	07/14/88	23
				07/21/88	26
SCOTT CANAL--A-711 FROM PUMPKIN CREEK SEC. 7-19-55 W.	06/07/88	0		07/28/88	26
	07/20/88	0		08/04/88	20
				08/11/88	27
				08/18/88	30
GIFFORD PUMP--A-711 FROM PUMPKIN CREEK SEC. 7-29-55 W.	06/07/88	0			
			BARBER CANAL--D-754, A-1111	07/08/88	3.7
			FROM CLEAR CREEK		
			SEC. 29-16-41 W.		
LOGAN CANAL--D-902 FROM PUMPKIN CREEK SEC. 7-29-55 W.	06/07/88	0	<u>KINGSLEY DAM TO CONFLUENCE</u>		
	07/20/88	0			
			NORTH PLATTE CANAL SPILL	05/11/88	11
AIRDALE RESERVOIR PUMP NO. 3 A-4981 FROM PUMPKIN CREEK SEC. 6-29-54 W.	06/07/88	0	INTO LINCOLN COUNTY DRAIN	05/26/88	2.9
			NO. 1	06/08/88	11
			NE1/4SW1/4 SEC. 24-14-31 W.	06/29/88	12
				07/13/88	13
DARNALL PUMP--A-2117 FROM PUMPKIN CREEK SEC. 25-19-53 W.	06/07/88	0		07/28/88	8.8
	07/20/88	0		08/10/88	15
				08/24/88	19
OLSEN PUMP--A-11439 FROM PUMPKIN CREEK SEC. 23-19-53 W.	06/07/88	0		09/08/88	14
	07/20/88	0		09/27/88	0
			NORTH PLATTE TERMINAL CANAL	05/11/88	0
THURMAN PUMP--A-11526 FROM PUMPKIN CREEK SEC. 23-19-53 W.	06/07/88	0	NE1/4SE1/4 SEC. 25-14-31 W.	05/26/88	0
	07/20/88	0		06/08/88	0
				06/29/88	0
				07/13/88	0
NIELSEN CANAL--A-6811, A-9051 FROM PUMPKIN CREEK SEC. 30-19-52 W.	06/07/88	0		07/28/88	0
	07/20/88	0		08/10/88	0
				08/24/88	0
				09/07/88	0
RANDALL CANAL--A-1100 FROM LAWRENCE FORK CREEK SEC. 21-18-52 W.	06/07/88	0		09/27/88	0

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LODGEPOLE CREEK</u>					
TRACY CANAL--A-870 FROM LODGEPOLE CREEK NW1/4SW1/4 SEC. 12-14-59 W.	06/15/88	0	RUNGE CANAL NO. 1--D-339 A-3363 FROM LODGEPOLE CREEK SW1/4SE1/4 SEC. 20-14-50 W.	06/15/88	0
HOOVER CANAL--D-353 FROM LODGEPOLE CREEK SEC. 12-14-59 W.	06/15/88	0	BORDWELL CANAL--D-303 FROM LODGEPOLE CREEK SEC. 35-14-49 W.	06/22/88 08/16/88	0 0
PLATT PUMP--A-12931 FROM LODGEPOLE CREEK NW1/4SE1/4 SEC. 31-15-57 W.	06/15/88	0	KRUEGER CANAL NO. 3--D-323 FROM LODGEPOLE CREEK NW1/4NW1/4 SEC. 32-14-48 W.	06/22/88 08/16/88	0 0
NEW RUTTNER CANAL, NORTH D-350R FROM LODGEPOLE CREEK NE1/4SE1/4 SEC. 36-15-57 W.	06/15/88	0	KRUEGER CANAL NO. 2--D-324 FROM LODGEPOLE CREEK SW1/4NW1/4 SEC. 32-14-48 W.	06/22/88 08/16/88	0.31 0.13
RUTTNER PUMP--D-350 FROM LODGEPOLE CREEK SEC. 31-15-56 W.	06/15/88	0.88	KRUEGER CANAL NO. 1--D-968 FROM LODGEPOLE CREEK SW1/4SW1/4 SEC. 29-14-48.	06/22/88 08/16/88	0.30 0.34
FORSLING-KINNEY CANAL A-718 FROM LODGEPOLE CREEK SEC. 33-15-56 W.	06/15/88	0	MISEGADIS PUMP--A-9073 FROM LODGEPOLE CREEK SEC. 36-14-48 W.	06/22/88	0.88
FERGUSON PUMP--D-345R, D-348R FROM LODGEPOLE CREEK SEC. 34-15-56 W.	06/15/88	0	BOOTH CANAL--D-309, D-310 FROM LODGEPOLE CREEK SEC. 29-14-47 W.	06/22/88 08/16/88	0 0.88
HURLEY-LILLY-POLLY CANAL D-354, A-4818 FROM LODGEPOLE CREEK SE1/4NE1/4 SEC. 26-15-56 W.	06/15/88	0	SHARMAN PUMP NO. 3--A-3825 FROM LODGEPOLE CREEK SEC. 28-14-47 W.	06/22/88 08/16/88	0.88 0
BICKEL-FADEN CANAL--D-347, A-719 FROM LODGEPOLE CREEK SEC. 30-15-55 W.	06/15/88	0	DICKINSON CANAL NO. 2--D-967 FROM LODGEPOLE CREEK SEC. 33-14-47 W.	06/22/88	0
STAHLA PUMP--D-347R, A-719R FROM LODGEPOLE CREEK SEC. 30-15-55 W.	06/15/88	0	TOBIN CANAL--D-330 FROM LODGEPOLE CREEK SEC. 28-14-47 W.	06/22/88 08/16/88	0 0
ATKINS-POLLY CANAL--D-342, D-344, A-894R, A-4531-- FROM LODGEPOLE CREEK SE1/4NW1/4 SEC. 30-15-55 W.	06/15/88	0.88	SHARMAN PUMP--D-330R FROM LODGEPOLE CREEK SEC. 28-14-47 W.	06/22/88 08/16/88	0 0
OWASCO CANAL--D-347R, D-351 FROM LODGEPOLE CREEK NW1/4NW1/4 SEC. 29-15-55 W.	06/15/88	1.8	DICKINSON CANAL NO. 1--D-969 FROM LODGEPOLE CREEK SEC. 26-14-47 W.	06/22/88	0
MCINTOSH CANAL--D-351, A-734 FROM LODGEPOLE CREEK SEC. 23-15-55 W.	06/15/88	0	LIBBY CANAL--D-312 FROM LODGEPOLE CREEK SEC. 36-14-47 W.	06/22/88	0
CIRCLE ARROW CANAL--D-346 FROM LODGEPOLE CREEK SEC. 30-15-54 W.	06/15/88	0	OBERFELDER CANAL NO. 2 D-333 FROM LODGEPOLE CREEK SEC. 31-14-46 W.	06/22/88 08/16/88	0 0
BENNETT CANAL NO. 3--1-934 FROM LODGEPOLE CREEK SEC. 29-15-54 W.	06/15/88	0	OBERFELDER CANAL NO. 1 D-307 FROM SPRING CREEK SEC. 31-14-46 W.	06/22/88 08/16/88	0 0
CHRISTENSEN CANAL, NORTH D-367 FROM LODGEPOLE CREEK SEC. 7-14-51 W.	06/15/88	0	OBERFELDER CANAL NO. 3 D-306 FROM LODGEPOLE CREEK SEC. 31-14-46 W.	06/22/88 08/16/88	0 0
CHRISTENSEN CANAL, SOUTH D-366 FROM LODGEPOLE CREEK NW1/4NW1/4 SEC. 7-14-51 W.	06/15/88	0	PERSINGER CANAL--D-297 FROM LODGEPOLE CREEK SEC. 33-14-46 W.	06/22/88 08/16/88	0 0
SUTTON PUMP--A-16434 FROM LODGEPOLE CREEK SEC. 10-14-51 W.	06/15/88	0	BULLOCK CANAL--A-437 FROM LODGEPOLE CREEK SEC. 4-13-46 W.	06/22/88 08/16/88	0 0
			MCAULIFFE CANAL--D-814 FROM LODGEPOLE CREEK SEC. 21-13-45 W.	06/22/88	0

SOUTH PLATTE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOGEPOLE CREEK</u>		
SUDMAN PUMP--A-1483, PET. 345 FROM LOGEPOLE CREEK SEC. 22-13-45 W.	06/22/88	0
NEUMAN CANAL--A-611, A-1445R FROM LOGEPOLE CREEK SEC. 26-13-45 W.	06/22/88 08/16/88	0 0
NEUMAN PUMP--A-611R FROM LOGEPOLE CREEK SEC. 25-13-45 W.	06/22/88 08/16/88	0 0
SODERQUIST CANAL--A-1420 FROM LOGEPOLE CREEK SEC. 2-12-45 W.	06/22/88 08/16/88	0 0
SODERQUIST PUMP--A-1237R FROM LOGEPOLE CREEK SEC. 1-12-45 W.	06/22/88	0
NASLUND CANAL--A-661 FROM LOGEPOLE CREEK SEC. 1-12-45 W.	06/22/88 08/16/88	0 0
<u>SOUTH PLATTE, LOGEPOLE CREEK TO CONFLUENCE</u>		
WESTERN CANAL SPILL TO SOUTH PLATTE RIVER	06/02/88	1.8
	06/10/88	2.2
	06/16/88	1.9
NE1/4NW1/4 SEC. 13-12-43 W.	06/23/88	2.7
	07/01/88	0.76
	07/08/88	0.30
	07/14/88	0.29
	07/29/88	0.29
	08/11/88	0.08
	09/07/88	0.29

PLATTE RIVER BASIN

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<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>PLATTE RIVER, CONFLUENCE TO WOOD RIVER</u>		
FALKINBURG PUMP--A-15573 FROM BUFFALO CREEK SEC. 21-10-21 W.	06/29/88	0
WHITE PUMP--A-10763 FROM BUFFALO CREEK SEC. 22-10-21 W.	06/29/88	0
POULSON PUMP--A-2074 FROM BUFFALO CREEK SEC. 21-9-19 W.	06/29/88	0
PHILPOT PUMP--A-14694 FROM BUFFALO CREEK SEC. 27-9-19 W.	06/29/88	0
SHERMAN PUMP--A-13174 FROM BUFFALO CREEK SEC. 34-9-19 W.	06/29/88	0
THAYER PUMP--A-2068 FROM BUFFALO CREEK SEC. 1-8-19 W.	06/29/88	0
ELSE PUMP--A-14332 FROM BUFFALO CREEK SEC. 31-9-18 W.	06/29/88	0
NICKEL PUMP--A-14331 FROM BUFFALO CREEK SEC. 6-8-18 W.	06/29/88	0
MILLER PUMP--A-14333 FROM BUFFALO CREEK SEC. 5-8-18 W.	06/29/88	0
OURADA PUMP--A-14328 FROM BUFFALO CREEK SEC. 33-9-18 W.	06/29/88	0
PAYNE PUMP--A-2087 FROM BUFFALO CREEK SEC. 3-8-18 W.	06/29/88	0

PLATTE RIVER BASIN
(LOUP RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>MIDDLE LOUP RIVER TO CONFLUENCE WITH SOUTH LOUP RIVER</u>			<u>SOUTH LOUP RIVER</u>		
FLYING A CATTLE PUMP-A-15289 FROM MIDDLE LOUP RIVER SEC. 11-23-28 W.	06/27/88	2.2	FRANSEN PUMP--A-1848 FROM MUD CREEK SEC. 13-14-17 W.	06/24/88	1.3
PRITSCHAU PUMP-A-15737,16546 FROM MIDDLE LOUP RIVER SEC. 26-13-13 W.	07/05/88 07/18/88	1.1 1.0	CORNFORD PUMP--A-15465 FROM MUD CREEK SEC. 27-14-16 W.	07/18/88	0.70
MADDOX PUMP--A-14230 FROM MIDDLE LOUP RIVER SEC. 24-15-10 W.	07/07/88	1.8	KOHL'S PUMP--A-4016 FROM MUD CREEK SEC. 1-13-16 W.	06/28/88	0.80
<u>SOUTH LOUP RIVER</u>			KOHL'S PUMP--A-3625 FROM MUD CREEK SEC. 1-13-16 W.	06/28/88	0.70
HICKENBOTTOM PUMP--A-15837 FROM SOUTH LOUP RIVER SEC. 22-15-22 W.	07/26/88	0.60	MCKEON PUMPS--A-3895,9762 FROM MUD CREEK SEC. 3-12-15 W.	06/28/88	0.60
PAULSEN PUMP--A-14730 FROM SOUTH LOUP RIVER SEC. 1-13-20 W.	06/29/88 07/26/88 08/18/88	0.80 2.2 1.3	BROWN PUMP--A-1871 FROM MUD CREEK 1-12-15 W.	06/28/88	0.80
STEVENSON PUMP--A-14776 FROM SOUTH LOUP RIVER SEC. 7-13-19 W.	07/26/88 07/28/88	1.3 1.3	SUNTYCH PUMP--A-13926 FROM SOUTH LOUP RIVER SEC. 6-12-12 W.	06/09/88	0.90
POPP PUMP--A-14334 FROM SOUTH LOUP RIVER SEC. 23-13-19 W.	06/29/88 07/26/88	1.0 0.90	<u>LOUP RIVER, SOUTH LOUP RIVER TO NORTH LOUP RIVER</u>		
SHOEMAKER PUMP--A-13014 FROM SOUTH LOUP RIVER SEC. 30-13-18 W.	07/26/88	0.50	STANCZYK PUMP--A-13034,15744 FROM OAK CREEK SEC. 15-15-13 W.	06/23/88	1.8
WEST DAUG-SHO PUMP--A-13105 FROM SOUTH LOUP RIVER SEC. 30-13-18 W.	06/29/88 07/07/88 07/26/88 08/18/88	0.50 0.70 0.90 0.60	KROGH PUMP--A-14444,14445 FROM OAK CREEK SEC. 30-14-11 W.	06/29/88 07/18/88	1.9 2.1
MID DAUG-SHO PUMP--A-13105 FROM SOUTH LOUP RIVER SEC. 30-13-18 W.	07/28/88	0.80	VOCKE PUMP--A-16259 FROM OAK CREEK SEC. 11-13-11 W.	06/29/88	1.5
EAST DAUG-SHO PUMP--A-13105 FROM SOUTH LOUP RIVER SEC. 32-13-18 W.	06/29/88 07/07/88	0.60 0.60	TRAVELERS INS PUMP--A-15612 FROM TURKEY CREEK SEC. 11-14-12 W.	07/07/88	1.7
NICHOLS PUMP--A-15072 FROM SOUTH LOUP RIVER SEC. 3-12-18 W.	06/29/88	0.70	ALDERMAN PUMP--A-16050 FROM TURKEY CREEK SEC. 19-14-10 W.	06/23/88 07/26/88	1.9 2.7
ECKHOUT PUMP--A-13404 FROM SOUTH LOUP RIVER SEC. 7-12-17 W.	06/20/88 07/28/88	1.9 1.6	K.I.L. FARMS PUMP--A-13823 FROM TURKEY CREEK SEC. 20-14-10 W.	07/26/88	1.5
DOWNEY PUMP--A-13031 FROM SOUTH LOUP RIVER SEC. 6-11-16 W.	07/26/88	1.0	LETH PUMP--A-12843 FROM TURKEY CREEK SEC. 21-14-10 W.	07/26/88	0.90
RATEMAN PUMP--A-14354 FROM CEDAR CREEK 2-11-15 W.	07/28/88	1.0	<u>NORTH LOUP RIVER</u>		
LOVITT PUMP--A-9875 FROM MUD CREEK SEC. 13-14-17 W.	06/24/88	1.4	COX PUMP--A-16130 FROM NORTH LOUP RIVER SEC. 9-24-25 W.	07/08/88	0.60
CHAMBERLIN PUMP--A-13657 FROM MUD CREEK SEC. 32-15-17 W.	07/18/88	1.7	PLAT VAL CAT PUMP--A-14281 FROM NORTH LOUP RIVER SEC. 30-24-23 W.	06/27/88	0.70
WAGNER EST. PUMP--A-13352 FROM MUD CREEK SEC. 35-15-17 W.	06/20/88	1.0	ZIEGLER PUMP--A-15608 FROM NORTH LOUP RIVER SEC. 28-21-17 W.	06/27/88 07/21/88 07/25/88	1.1 1.1 1.1
			SHOEMAKER PUMP--A-12675 FROM NORTH LOUP RIVER SEC. 26-19-13 W.	07/07/88	1.5

PLATTE RIVER BASIN
(LOUP RIVER)

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<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>NORTH LOUP RIVER</u>			<u>LOWER LOUP RIVER ABOVE CEDAR RIVER</u>		
HANSEN PUMP--A-12753 FROM NORTH LOUP RIVER SEC. 22-17-12 W.	06/29/88	1.6	EAST TIBBETTS PUMP--A-13591 FROM LOUP RIVER SEC. 7-15-7 W.	06/23/88 07/08/88	1.7 1.9
PROSOSKI PUMP--A-16643 FROM TRIB. TO DAVIS CREEK SEC. 4-16-13 W.	07/28/88	0.60	RUSSELL PUMP--A-12825,13955 FROM LOUP RIVER SEC. 8-15-7 W.	06/23/88	1.9
SHOEMAKER PUMP--A-15791 FROM DAVIS CREEK SEC. 2-16-13 W.	07/07/88 07/27/88	0.60 0.50	RUSSELL PUMP--A-13954,14718 FROM LOUP RIVER SEC. 3-15-7 W.	06/23/88	2.0
DAVIS CR. L&C PUMP--A-15159 FROM DAVIS CREEK SEC. 34-17-12 W.	06/29/88	0.80	RUSSELL PUMP--A-13679,14504 FROM LOUP RIVER SEC. 4-15-7 W.	07/25/88	4.9
JACOBSEN PUMP--A-14639 FROM NORTH LOUP RIVER SEC. 35-17-12 W.	06/22/88	5.9	SONDERUP PUMP--A-15515 FROM LOUP RIVER SEC. 33-16-7 W.	06/23/88	2.1
ENDER PUMP--A-13200 FROM NORTH LOUP RIVER SEC. 18-16-11 W.	07/07/88	2.3	ARNOLD PUMP--A-14895 FROM LOUP RIVER SEC. 3-15-7 W.	07/05/88	2.9
WELLS PUMP--A-14871 FROM NORTH LOUP RIVER SEC. 20-16-11 W.	06/22/88 07/27/88	1.3 1.8	CUNNINGHAM PUMP--A-13581 FROM LOUP RIVER SEC. 2-15-7 W.	07/05/88	1.6
BURMOOD PUMP--A-14238 FROM MUNSON CREEK SEC. 5-15-11 W.	06/29/88 07/26/88	0.70 0.80	ZIMMER PUMP--A-15043 FROM LOUP RIVER SEC. 35-16-7 W.	07/05/88	1.1
BURMOOD PUMP--A-14391 FROM MUNSON CREEK SEC. 5-15-11 W.	07/26/88	1.2	CUNNINGHAM PUMP--A-15438 FROM LOUP RIVER SEC. 35-16-7 W.	07/05/88	0.90
WILSON PUMP--A-14224 FROM MUNSON CREEK SEC. 33-16-11 W.	06/22/88 07/07/88	0.90 0.60	MORRISON PUMP--A-15309 FROM LOUP RIVER SEC. 35-16-7 W.	06/23/88 08/08/88	2.2 1.6
WILSON PUMP--A-14225 FROM NORTH LOUP RIVER SEC. 34-16-11 W.	06/22/88	0.30	LESIK PUMP--A-12994 FROM LOUP RIVER SEC. 1-15-7 W.	07/25/88	1.4
SPILINEK PUMP--A-15426 FROM AUGER CREEK SEC. 8-15-11 W.	06/29/88	0.60	ZIMMER PUMP--A-15042 FROM LOUP RIVER SEC. 29-16-6 W.	07/05/88 07/25/88	2.7 2.0
POSS PUMP--A-15798 FROM NORTH LOUP RIVER SEC. 18-15-10 W.	06/29/88 07/07/88 08/08/88	0.40 0.40 0.40	<u>CEDAR RIVER</u>		
SCHMIDT PUMP--A-15922 FROM TRIB. TO NO. LOUP RIVER SEC. 24-15-11 W.	06/29/88 07/26/88	0.80 0.90	SCOTT PUMP--A-13939 FROM CEDAR RIVER SEC. 36-18-7 W.	06/27/88	1.5
<u>LOWER LOUP RIVER ABOVE CEDAR RIVER</u>			NELSON PUMP--A-13198 FROM CEDAR RIVER SEC. 19-17-6 W.	06/27/88	1.9
ANDERSON PUMP--A-14239 FROM SPRING CREEK SEC. 30-16-9 W.	07/27/88	1.6	WEST MALANDER PUMP--A-14904 FROM CEDAR RIVER SEC. 29-17-6 W.	06/27/88	1.7
ANDERSON PUMP--A-15997, A-16403 FROM SPRING CREEK SEC. 8-15-9 W.	07/08/88	1.4	DOUTHIT PUMP--A-15005 FROM CEDAR RIVER SEC. 33-17-6 W.	06/23/88 07/05/88	1.1 1.2
WERNER PUMP--A-15151 FROM LOUP RIVER SEC. 9-15-9 W.	06/23/88 07/08/88	1.6 1.1	DOUTHIT PUMP--A-15004 FROM CEDAR RIVER SEC. 4-16-6 W.	06/27/88	3.4
KILDAY INC. PUMP--A-13752 FROM LOUP RIVER SEC. 12-15-8 W.	06/23/88	1.6	WONDERCHECK PUMP--A-13416 FROM CEDAR RIVER SEC. 11-16-6 W.	06/27/88	2.5

PLATTE RIVER BASIN
(LOUP RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>CEDAR RIVER</u>		
WONDERCHECK PUMP--A-13930 FROM CEDAR RIVER SEC. 11-16-6 W.	06/23/88	1.6
SYSLO PUMP--A-13662 FROM CEDAR RIVER SEC. 7-16-5 W.	06/27/88 07/08/88	1.2 1.3
LOWER LOUP RIVER BELOW CEDAR RIVER		
SONDERUP PUMP--A-14800, A-16073 FROM LOUP RIVER SEC. 3-16-5 W.	06/27/88	6.1
SMALL BROS. PUMP--A-16577 FROM PLUM CREEK SEC. 29-17-5 W.	06/27/88	0.50
SMALL PUMP--A-13448 FROM PLUM CREEK SEC. 28-17-5 W.	06/23/88	0.60
ZAREK PUMP--A-16216 FROM LOUP RIVER SEC. 36-17-5 W.	06/27/88 07/25/88	1.4 0.80

PLATTE RIVER BASIN
(ELKHORN RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER ELKHORN RIVER</u>		
RADENZ PUMP, A-15917 FROM ELKHORN RIVER NE1/4SE1/4 SEC. 1-23-1 W.	07/08/88	2.4

BIG BLUE RIVER BASIN

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<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER BIG BLUE RIVER</u>			<u>UPPER BIG BLUE RIVER</u>		
SUHR PUMP, A-6010 FROM LINCOLN CREEK NW1/4NW1/4 SEC. 3-11-2 E.	08/10/88	0	OLSON PUMP, A-6246 FROM BIG BLUE RIVER SW1/4NE1/4 SEC. 22-10-3 E.	07/12/88	0
MAYLAND PUMP, A-13654 FROM LINCOLN CREEK NE1/4SW1/4 SEC. 11-11-2 E.	08/10/88	0	OLSON PUMP, A-2453 FROM BIG BLUE RIVER NW1/4SE1/4 SEC. 22-10-3 E.	07/12/88	0
BOLDT PUMP, A-13134 FROM LINCOLN CREEK SE1/4SE1/4 SEC. 11-11-2 E.	08/10/88	0	OLSON PUMP, A-4152 FROM BIG BLUE RIVER SE1/4SE1/4 SEC. 22-10-3 E.	07/12/88	0
REDMON PUMP, A-6064 FROM LINCOLN CREEK NE1/4NE1/4 SEC. 14-11-2 E.	08/10/88	0	MUNDHENKE PUMP, A-8128 FROM BIG BLUE RIVER SE1/4NW1/4 SEC. 26-10-3 E.	07/12/88	0
GEHLE PUMP, A-5427 FROM LINCOLN CREEK SW1/4NW1/4 SEC. 13-11-2 E.	08/10/88	0	ROTH PUMP, A-9703 FROM BIG BLUE RIVER NW1/4NW1/4 SEC. 35-10-3 E.	07/12/88	2.0
PARSONS PUMP, A-15528 FROM LINCOLN CREEK SW1/4NE1/4 SEC. 24-11-2 E.	08/10/88	0	HAUDER PUMP, A-8904 FROM BIG BLUE RIVER NE1/4SW1/4 SEC. 35-10-3 E.	07/12/88 07/12/88	3.1 1.2
PARSONS PUMP, A-3056 FROM LINCOLN CREEK SW1/4NE1/4 SEC. 24-11-2 E.	08/10/88	0			
PARSONS PUMP, A-3304 FROM LINCOLN CREEK SW1/4NE1/4 SEC. 24-11-2 E.	08/10/88	0			
PARSONS PUMP, A-15486 FROM LINCOLN CREEK SE1/4NE1/4 SEC. 24-11-2 E.	08/10/88	1.1			
KRUSE PUMP, A-2883 FROM LINCOLN CREEK SW1/4NW1/4 SEC. 19-11-3 E.	08/10/88	0.87			
KRUSE PUMP, A-6233 FROM LINCOLN CREEK SW1/4NW1/4 SEC. 19-11-3 E.	08/10/88	1.8			
KRUSE PUMP A-14255 FROM LINCOLN CREEK SW1/4NW1/4 SEC. 19-11-3 E.	08/10/88	0			
ROCKER PUMP, A-13927 FROM LINCOLN CREEK NE1/4SE1/4 SEC. 19-11-2 E.	08/10/88	1.0			
KRUSE PUMP, A-2765 FROM LINCOLN CREEK SW1/4SW1/4 SEC. 20-11-3 E.	08/10/88	0			
PETERSON PUMP, A-6995 FROM BIG BLUE RIVER NE1/4NW1/4 SEC. 3-10-3 E.	07/14/88	1.0			
CURTIS PUMP, A-14682 FROM BIG BLUE RIVER NW1/4SW1/4 SEC. 3-10-3 E.	07/13/88	1.5			
CURTIS PUMP, A-2992 FROM BIG BLUE RIVER SW1/4NE1/4 SEC. 10-10-3 E.	07/13/88	1.2			
TENOPIR PUMP, A-2759 FROM BIG BLUE RIVER NE1/4SW1/4 SEC. 15-10-3 E.	07/13/88	0			
TENOPIR PUMP, A-12214 FROM BIG BLUE RIVER SE1/4NW1/4 SEC. 15-10-3 E.	07/13/88	0			

LITTLE BLUE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER LITTLE BLUE RIVER</u>			<u>UPPER LITTLE BLUE RIVER</u>		
HEBRON HI PRO PORK PRODUCERS PUMP, A-10576 FROM LITTLE BLUE RIVER NW1/4SE1/4 SEC. 1-2-3 W.	09/13/88	0	JONES PUMP, A-4028 FROM LITTLE BLUE RIVER SE1/4SW1/4 SEC. 12-4-7 W.	07/07/88	1.4
BAXA PUMP, A-7014 FROM LITTLE BLUE RIVER NE1/4NW1/4 SEC. 8-2-2 W.	09/13/88	0	JONES PUMP, A-15565 FROM LITTLE BLUE RIVER SE1/4SW1/4 SEC. 12-4-7 W.	07/07/88	1.2
GERDES PUMP, A-15383 FROM LITTLE BLUE RIVER NE1/4SW1/4 SEC. 9-2-2 W.	09/13/88	0	SHUCK PUMP, A-3247 FROM LITTLE BLUE RIVER NW1/4SW1/4 SEC. 18-4-6 W.	07/07/88	0
FISCHER PUMP, A-10724 FROM LITTLE BLUE RIVER SE1/4NW1/4 SEC. 10-2-2 W.	09/13/88	0	SHUCK PUMP, A-10419 FROM LITTLE BLUE RIVER NE1/4SW1/4 SEC. 18-4-6 W.	07/07/88	0
DONDLINGER PUMP, A-9599 FROM LITTLE BLUE RIVER NW1/4NE1/4 SEC. 10-2-2 W.	09/13/88	0	SHUCK PUMP, A-15708 FROM LITTLE BLUE RIVER NW1/4SW1/4 SEC. 18-4-6 W.	07/07/88	0
KRAKOW PUMP, A-6999 FROM LITTLE BLUE RIVER NE1/4NE1/4 SEC. 11-2-2 W.	09/13/88	0	FEREBEE PUMP, A-10382 FROM LITTLE BLUE RIVER SE1/4SW1/4 SEC. 18-4-6 W.	07/07/88	1.2
KRAKOW PUMP, A-8461 FROM LITTLE BLUE RIVER SE1/4SE1/4 SEC. 2-2-2 W.	09/13/88	0	JANDA PUMP, A-10468 FROM LITTLE BLUE RIVER NE1/4NW1/4 SEC. 19-4-6 W.	07/07/88	0.53
KRAKOW PUMP, A-11066 FROM LITTLE BLUE RIVER SE1/4SW1/4 SEC. 1-2-2 W.	09/13/88	0	JANDA PUMP, A-9408 FROM LITTLE BLUE RIVER SW1/4NW1/4 SEC. 20-4-6 W.	07/07/88	0
HERGOTT PUMP, A-13161 FROM LITTLE BLUE RIVER NE1/4SW1/4 SEC. 4-2-1 W.	09/13/88	0	SHUCK PUMP, A-9408 FROM LITTLE BLUE RIVER SE1/4NE1/4 SEC. 20-4-6 W.	07/07/88	0.98
DURFLINGER PUMP, A-8131 FROM LITTLE BLUE RIVER SE1/4NW1/4 SEC. 34-3-1 W.	09/13/88	0	SHUCK PUMP, A-12989 FROM LITTLE BLUE RIVER NE1/4SE1/4 SEC. 20-4-6 W.	07/07/88	0
BUCHLI PUMP, A-10395 FROM LITTLE BLUE RIVER NW1/4NW1/4 SEC. 35-3-1 W.	09/13/88	0	STERKEL PUMP, A-9372 FROM LITTLE BLUE RIVER NW1/4SW1/4 SEC. 21-4-6 W.	07/07/88 09/14/88	0 0
MAU PUMP, A-10401 FROM LITTLE BLUE RIVER NE1/4NE1/4 SEC. 26-3-1 W.	09/13/88	0	SHUCK PUMP, A-10336 FROM LITTLE BLUE RIVER SE1/4SE1/4 SEC. 20-4-6 W.	07/07/88 07/07/88 09/14/88	2.0 1.0 0
WIEDEL PUMP, A-10832 FROM LITTLE BLUE RIVER SE1/4SW1/4 SEC. 23-3-1 W.	09/13/88	0	SHUCK PUMP, A-8350 FROM LITTLE BLUE RIVER NW1/4NW1/4 SEC. 28-4-6 W.	07/07/88	0.84
MAU PUMP, A-12534 FROM LITTLE BLUE RIVER SW1/4SW1/4 SEC. 24-3-1 W.	09/13/88	0	BURKETT PUMP, A-09306 FROM LITTLE BLUE RIVER NW1/4NW1/4 SEC. 28-4-6 W.	09/14/88	0
SNYDER PUMP, A-7435 FROM LITTLE BLUE RIVER SW1/4SW1/4 SEC. 19-3-1 E.	09/13/88	0	SHUCK PUMP, A-15213 FROM LITTLE BLUE RIVER NW1/4NW1/4 SEC. 27-4-6 W.	07/07/88	0
SCHOEN PUMP, A-9912 FROM LITTLE BLUE RIVER NE1/4NW1/4 SEC. 21-3-1 E.	09/13/88	0	SCHARDT PUMP, A-10868 FROM LITTLE BLUE RIVER SW1/4SE1/4 SEC. 20-3-3 W.	09/14/88	0
<u>BIG SANDY CREEK</u>			MCKENZIE PUMP, A-2799 FROM LITTLE BLUE RIVER SW1/4SW1/4 SEC. 36-3-3 W.	09/13/88	0
DILL PUMP, A-9785 FROM BIG SANDY NW1/4SW1/4 SEC. 5-3-2 W.	09/14/88	0	MCLAUGHLIN PUMP, A-12071 FROM LITTLE BLUE RIVER NW1/4SE1/4 SEC. 36-3-3 W.	09/13/88	0
VORDERSTRASSE PUMP, A-2537 FROM BIG SANDY CREEK NE1/4SE1/4 SEC. 6-3-1 W.	09/14/88	0	WIEDEL PUMP, A-10516 FROM LITTLE BLUE RIVER SW1/4SE1/4 SEC. 1-2-3 W.	09/13/88	0

LITTLE BLUE RIVER BASIN

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<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>LOWER LITTLE BLUE RIVER</u>			<u>BIG SANDY CREEK</u>		
SHOENROCK PUMP, A-11333 FROM LITTLE BLUE RIVER NW1/4SE1/4 SEC. 9-2-2 E.	09/09/88	0	WALLS PUMP, A-11902 FROM BIG SANDY CREEK SW1/4SE1/4 SEC. 12-3-1 W.	09/14/88	0
SHOENROCK PUMP, A-8480 FROM LITTLE BLUE RIVER SW1/4SE1/4 SEC. 9-2-2 E	09/09/88	0	HERGOTT PUMP, A-3857 FROM BIG SANDY CREEK SW1/4SW1/4 SEC. 12-3-1 W.	09/14/88	0
SHOENROCK PUMP, A-12789 FROM LITTLE BLUE RIVER SW1/4SW1/4 SEC. 10-2-2 E.	09/09/88	0	ENDORF PUMP, A-11014 FROM BIG SANDY CREEK SE1/4SE1/4 SEC. 7-3-1 W.	09/14/88	0
BOYDEN PUMP, A-11996 FROM LITTLE BLUE RIVER SE1/4NE1/4 SEC. 16-2-2 E.	09/09/88	0	KLEINE PUMP, A-8996 FROM BIG SANDY CREEK NE1/4SE1/4 SEC. 17-3-1 E.	09/14/88	0
BEETLEY PUMP, A-9528 FROM LITTLE BLUE RIVER SW1/4SE1/4 SEC. 15-2-2 E.	09/08/88	0	FRIESEN PUMP, A-8939 FROM BIG SANDY CREEK SE1/4NW1/4 SEC. 16-3-1 E.	09/14/88	0
CITY OF FAIRBURY A-1963 FROM LITTLE BLUE RIVER NE1/4NW1/4 SEC. 15-2-2 E.	09/08/88	0	LANDKAMER PUMP, A-11976 FROM BIG SANDY CREEK SW1/4NW1/4 SEC. 22-3-1 E.	07/14/88 07/27/88 09/14/88	2.4 0 0
SHOENROCK PUMP, A-12790 FROM LITTLE BLUE RIVER NE1/4SW1/4 SEC. 22-2-2 E.	09/08/88	0	DUX PUMP, A-8722 FROM BIG SANDY CREEK SE1/4NW1/4 SEC. 22-3-1 E.	07/14/88 07/27/88 09/14/88	2.4 0 0
FEENEY PUMP A-13988 FROM LITTLE BLUE RIVER NE1/4SW1/4 SEC. 23-2-2 E.	09/08/88	0	BULIN PUMP, A-7639 FROM BIG SANDY CREEK SW1/4NE1/4 SEC. 22-3-1 E.	09/14/88	0
FEENEY PUMP, A-16361 FROM LITTLE BLUE RIVER NE1/4SW1/4 SEC. 23-2-2 E.	09/08/88	0	SWETT PUMP, A-16695 FROM BIG SANDY CREEK SW1/4NE1/4 SEC. 22-3-1 E.	07/27/88 09/14/88	0 0
DODGE PUMP, A-15879 FROM LITTLE BLUE RIVER SW1/4SW1/4 SEC. 25-2-2 E.	09/08/88	0	POWELL PUMP, A-10536 FROM BIG SANDY CREEK NW1/4SE1/4 SEC. 22-3-1 E.	09/14/88	0
STONE PUMP, A-11662 FROM LITTLE BLUE RIVER NW1/4SE1/4 SEC. 6-1-3 E.	09/08/88	0	<u>LOWER LITTLE BLUE RIVER</u>		
SWARTZ PUMP, A-11344 FROM LITTLE BLUE RIVER NE1/4NE1/4 SEC. 10-1-3 E.	09/08/88	0	KAHLER PUMP, A-12015 FROM LITTLE BLUE RIVER SW1/4SW1/4 SEC. 23-3-1 E.	09/09/88	0
FAIRCHILD PUMP, A-7965 FROM LITTLE BLUE RIVER SE1/4SW1/4 SEC. 4-1-3 E.	09/08/88	0	MEYER PUMP, A-7975 FROM LITTLE BLUE RIVER NW1/4SE1/4 SEC. 23-3-1 E.	09/09/88	0
HARDY PUMP, A-8453 FROM LITTLE BLUE RIVER NE1/4NE1/4 SEC. 9-1-3 E.	09/08/88	0	LABASS PUMP, A-2517 FROM LITTLE BLUE RIVER NW1/4SW1/4 SEC. 24-3-1 E.	09/09/88	0
BELDIN PUMP, A-8454 FROM LITTLE BLUE RIVER NE1/4NW1/4 SEC. 10-1-3 E.	09/08/88	0	LABASS PUMP, A-13286 FROM LITTLE BLUE RIVER NW1/4SW1/4 SEC. 24-3-1 E.	09/09/88	0
WIENKE PUMP, A-13553 FROM LITTLE BLUE RIVER NW1/4NW1/4 SEC. 14-1-3 E.	09/08/88	0	JUNKER PUMP, A-6083 FROM LITTLE BLUE RIVER SW1/4NE1/4 SEC. 30-3-2 E.	09/09/88	0
KOEHLER PUMP, A-9031 FROM LITTLE BLUE RIVER SW1/4NW1/4 SEC. 11-1-3 E.	09/08/88	0	KAHLER PUMP, A-7632 FROM LITTLE BLUE RIVER SE1/4SW1/4 SEC. 29-3-2 E.	09/09/88	0
GILL PUMP, A-11098 FROM LITTLE BLUE RIVER NW1/4SE1/4 SEC. 11-1-3 E.	09/08/88	0	BOYDEN PUMP, A-11819 FROM LITTLE BLUE RIVER SE1/4NW1/4 SEC. 4-2-2 E.	09/09/88	0
MALLEAM PUMP, A-15682 FROM LITTLE BLUE RIVER NE1/4NE1/4 SEC. 14-1-3 E.	09/08/88	0	ZWEIFEL PUMP, A-2277 FROM LITTLE BLUE RIVER NW1/4NE1/4 SEC. 9-2-2 E.	09/09/88	0

LITTLE BLUE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c. f. s.</u>
<u>LOWER LITTLE BLUE RIVER</u>		
BANAHAN PUMP, A-10491 FROM LITTLE BLUE RIVER NE1/4SW1/4 SEC. 13-1-3 E.	09/08/88	0
MEYERS PUMP, A-12777 FROM LITTLE BLUE RIVER NW1/4SW1/4 SEC. 13-1-3 E.	09/08/88	0
CASSELL PUMP, A-11454 FROM LITTLE BLUE RIVER NW1/4NE1/4 SEC. 24-1-3 E.	09/08/88	0
SCHEELE PUMP, A-13394 FROM LITTLE BLUE RIVER SE1/4SE1/4 SEC. 24-1-3 E.	09/08/88	0
BANAHAN PUMP, A-11483 FROM LITTLE BLUE RIVER SW1/4NE1/4 SEC. 30-1-4 E.	09/08/88	0
BANAHAN PUMP, A-11256 FROM LITTLE BLUE RIVER NE1/4NE1/4 SEC. 31-1-4 E.	09/08/88	0

**MAXIMUM WITHDRAWAL
OF MUNICIPAL WELLS**

1988

ANNUAL MAXIMUM WITHDRAWAL OF MUNICIPAL WELLS (GALLONS PER DAY)

<u>Well Field</u>	<u>Permitted to Withdraw</u>	<u>1988</u>
Alliance	22,500,000	8,020,000
Ashland	360,000	1,050,300
Beatrice	6,500,000	4,053,700
Bellevue	10,000,000	-----
Columbus	12,160,000	10,859,000
Fairbury	5,000,000	3,427,700
Fremont	98,000,000	18,240,000
Gothenburg	4,000,000	4,093,200
Grand Island	119,184,000	26,822,000
Harvard	2,000,000	673,240
Hastings	30,400,000	18,929,250
Holdrege	10,000,000	-----
Kearney	24,048,000	11,273,000
Kimball	5,300,000	-----
Laurel	1,152,000	820,000
Leigh	130,000	-----
Lincoln	72,000,000	59,794,080
Lower Niobrara NRD	864,000	397,000
Minden	2,500,000	2,370,800
Nebraska City	7,592,000	2,445,322
North Platte	28,584,000	18,706,320
Omaha (M.U.D.)	60,000,000	64,070,000
Papillion	5,000,000	1,383,000
Plattsmouth	3,000,000	2,141,000
Reynolds	216,000	79,700
Scottsbluff	20,000,000	10,057,000
Seward	9,300,000	1,750,000
Superior	3,100,000	-----
Sutton	1,430,000	1,430,000
Syracuse	300,000	282,100
Wakefield	10,000,000	607,800
Wayne	1,440,000	1,266,000
Western	576,000	250,000

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