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STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES
HYDROGRAPHIC REPORT

1987

STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES

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

1987

**Prepared Under the Direction of Michael Jess
Department of Water Resources**

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HYDROGRAPHIC REPORT 1987

INTRODUCTION

The Hydrographic Report provides a record of streamflow, diversions for irrigation, reservoir storage and related data pertaining to water use in Nebraska. All measurement sites are referenced to the legal coordinates of the United States Bureau of Land Management. The records are listed in downstream order according to river basin and subbasin.

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. Additional streamflow records published here 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. These records are published in the Hydrographic Report.

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 the current 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.

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.

EXPLANATION OF DATA

The hydrologic data presented in this report was obtained during calendar year 1987. 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. Appropriations served by a diversion are listed at the bottom of each record.

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**

1987

WHITE RIVER BASIN

WHITNEY RESERVOIR from White River - 1987
 Gage Location: NW1/4SE1/4 Sec. 34-33-51 W.
 near Whitney
 Measuring Device: Stage observation
 Period of Record: 1925 - 1929, 1933 - 1942, 1944 - 1987

Date	Contents (acre-feet)
December 13, 1986	8788
January 13, 1987	9000
January 30, 1987	9530
February 9, 1987	9530
April 6, 1987	10160
April 18, 1987	10025
May 6, 1987	10610
May 18, 1987	10475
June 1, 1987	10610
June 15, 1987	10585
June 30, 1987	10070
July 13, 1987	8745
July 27, 1987	7555
August 10, 1987	6670
August 24, 1987	5920
August 31, 1987	5545
September 16, 1987	4800
September 30, 1987	4300
October 27, 1987	4480
November 13, 1987	5245
November 24, 1987	5457
December 7, 1987	6220
December 15, 1987	6483

Appropriations: A-1603

NIOBRARA RIVER BASIN

BIGELOW-SEYMOUR CANAL from Niobrara River - 1987
 Gage Location: NE1/4NE1/4 Sec. 19-31-57 W.
 near Harrison
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

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

Appropriations: D-510

HOOVER PUMP from Niobrara River - 1987
 Gage Location: NW1/4SW1/4 Sec. 21-31-57 W.
 near Harrison
 Measuring Device: Operator reported time
 Period of Record: 1955 - 1956, 1970 - 1987

May	June	July	Aug.	Sept.	Total (Acre-Feet)
2	2	8	7	0	19

Appropriations: D-510R

NIOBRARA RIVER BASIN

JOHNSON CANAL from Niobrara River - 1987
 Gage Location: SE1/4SE1/4 Sec. 35-31-57 W.
 near Harrison
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

Date	May	June	July	Aug.	Sept.
1	0	3.8	0	0	0
2	0	3.7	0	0	0
3	0	3.6	0	0	0
4	0	3.5	0	0	0
5	0	3.2	0	0	0
6	0	2.9	0	0	0
7	0	2.9	0	0	0
8	0	2.9	0	0	0
9	0	3.3	0	0	0
10	0	3.6	0	0	0
11	0	3.7	0	0	0
12	0	3.6	0	0	0
13	0	3.4	0	0	0
14	0	2.9	0	0	0
15	0	2.8	0	0	0
16	0	2.6	0	0	0
17	0	2.4	0	0	0
18	0	2.3	0	0	0
19	0	2.9	0	0	0
20	0	0.9	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	1.6	0	0	0	0
26	4.7	0	0	0	0
27	4.8	0	0	0	0
28	4.6	0	0	0	0
29	4.6	0	0	0	0
30	4.5	0	0	0	0
31	4.2	---	0	---	---
Total	29	60.9	0	0	0
Mean	0.9	2	0	0	0
Max.	4.8	3.8	0	0	0
Min.	0	0	0	0	0
A.F.	58	121	0	0	0
Total 5 Months	---	---	179	A.F.	---

Appropriations: D-511R

EARNEST CANAL (SOUTH) from Niobrara River - 1987
 Gage Location: SW1/4SE1/4 Sec. 9-29-56 W.
 near Harrison
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0.4	1.4	1.1	0
2	0	0.4	1.5	0.6	0
3	0	0.3	1.7	0	0
4	0	0	2.2	0	0
5	0	0	2.3	0	0
6	0	0	2.3	0	0
7	0	0	2.2	0	0
8	0	0	1.8	0	0
9	0	0	1.8	0	0
10	0	0	1.7	0	0
11	0	0	1.7	0	0
12	0	0	1.6	0	0
13	0	0	1.5	0	0
14	0	0	1.4	0	0
15	0	0	1.3	0	0
16	0	0	1.3	0	0
17	0	0	1.2	0	0
18	0	0	1.2	0	0
19	0.5	0	1.2	0	0
20	1.2	0	1.2	0	0
21	1.3	0	1.2	0	0
22	1.2	0	1.2	0	0
23	0.4	0	1.2	0	0
24	0.4	0	1.2	0	0
25	0.4	0	1.2	0	0
26	0.4	0.8	1.1	0	0
27	0.5	1.5	1.1	0	0
28	0.4	1.6	1.1	0	0
29	0.4	1.6	1.1	0	0
30	0.4	1.5	1.1	0	0
31	0.4	---	1.1	0	---
Total	7.9	6.1	45.1	1.7	0
Mean	0.3	0.3	1.5	0.1	0
Max.	1.3	1.6	2.3	1.1	0
Min.	0	0	1.1	0	0
A.F.	16	16	89	3	0
Total 5 Months	---	---	124	A.F.	---

Appropriations: D-514a

LAKOTAM CANAL from Niobrara River - 1987
 Gage Location: NW1/4SE1/4 Sec. 1-30-57 W.
 near Harrison
 Measuring Device: Stage recorder and 2 ft. Parshall flume
 Period of Record: 1956 - 1987

Date	April	May	June	July	Aug.	Sept.	Oct.
1	0	3.5	0	1.4	0.5	1.6	2.1
2	0	3.4	0	1.2	0.5	1.6	2.1
3	0	3.6	0	1.2	0.5	1.6	2.1
4	0	4	0	1.2	0.5	1.6	2.2
5	0	4.2	0	1.2	0.4	1.6	2.2
6	0	4.1	0	1	0.5	1.6	2.2
7	0	3.9	0	1	0.5	1.7	2.1
8	0	3.7	0	1	0.5	1.6	2.1
9	0	3.4	0	0.9	0.4	1.7	2
10	0	3.2	0	0.9	0.7	1.7	1.9
11	0	3.1	0	0.9	0.6	1.7	2
12	0	3	0	0.9	0.6	1.7	1.9
13	0	3	0	0.9	0.6	1.7	1.1
14	0	2.7	0	1	0.6	1.7	2.5
15	0	2.6	0	1	0.6	1.7	2.6
16	0	2.4	0	0.9	0.6	1.9	2.6
17	0	2.2	0	0.9	0.6	1.9	2.6
18	0	2.1	0	0.9	0.7	1.9	2.7
19	0	2.2	0.8	0.9	0.7	1.9	2.7
20	0	2.6	3.2	0.9	0.7	1.9	2.8
21	0	2.8	3.4	0.7	0.7	1.9	0
22	0	3	2.3	0.7	0.7	1.9	0
23	0	3	2.2	0.7	0.7	1.9	0
24	0	3.1	2.2	0.7	0.6	1.9	0
25	0	3	2	0.7	0.9	1.9	0
26	0	1.2	1.6	0.7	1.1	1.9	0
27	0	0.1	1.6	0.6	1.2	1.9	0
28	1.7	0.1	1.4	0.5	1.3	1.9	0
29	3.9	0.1	1.4	0.5	1.4	2.1	0
30	3.7	0.1	1.4	0.5	1.4	2	0
31	---	0.1	---	0.5	1.6	---	0
Total	9.3	79.5	25.5	27	24.7	53.6	44.5
Mean	0	3	1	1	1	2	1
Max.	3.9	4.2	5.2	1.4	1.6	2.1	2.8
Min.	0	0.1	0	0.5	0.4	1.6	0
A.F.	20	160	50	50	50	110	90
Total 7 Months	---	---	530	A.F.	---	---	---

Appropriations: D-554

EARNEST CANAL (NORTH) from Niobrara River - 1987
 Gage Location: NE1/4SE1/4 Sec. 9-29-56 W.
 near Harrison
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	0	3.1	0	0	2.8	3.4
2	0	2.9	0	0	2.7	3.1
3	0	2.9	0	0	2.7	2.9
4	0	3.4	0	0.5	2.5	2.7
5	0	3.4	0	1.1	2.7	2.4
6	0	3.2	0	1.3	3.2	2.3
7	0	3.1	0	1.6	3.2	2.3
8	0	3.4	0	1.8	3.1	2.3
9	0	3.4	0	1.8	3.1	2.5
10	0	3.6	0	1.8	3.1	3
11	0	3.9	0	1.9	3.1	3.2
12	0	3.7	0	1.8	3.1	1.9
13	0	3.5	0	1.9	3.2	0
14	0.9	3	0	2	4.4	0
15	5.7	2.7	0	2.1	3.6	0
16	6.8	2.7	0	2	3.8	0
17	8.1	2.7	0	2	3.6	0
18	6.8	2.7	0	2.1	3.5	0
19	2.7	2.8	0	2	3.5	0
20	1.1	3	0	2	3.4	0
21	1	3.6	0	1.9	3.3	0
22	4.4	3.8	0	2.1	3.2	0
23	3.7	4.4	0	2.3	3.2	0
24	3.5	4.3	0	2.5	3.3	0
25	3.6	3.8	0	2.7	3.4	0
26	3.7	2.1	0	2.7	3.7	0
27	3.9	0	0	2.7	3.8	0
28	3.7	0	0	2.7	3.8	0
29	3.4	0	0	2.6	3.8	0
30	3.5	0	0	2.7	3.5	0
31	3.2	---	0	2.8	---	0
Total	69.7	85.1	0	57.4	99.5	32
Mean	2	3	0	2	3	1
Max.	8.1	4.4	0	2.8	4.4	3.4
Min.	0	0	0	0	2.5	0
A.F.	140	170	0	110	200	60
Total 6 Months	---	---	680	A.F.	---	---

Appropriations: D-554

NIORRARA RIVER BASIN

McGINLEY-STOVER CANAL from Niobrara River - 1987
 Gage Location: S11/4SE1/4 Sec. 25-29-56 W.
 near Agate
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

Date	May	June	July	Aug.	Sept.
1	0	3.8	0	0	0
2	0	3.6	0	0	0
3	0	3.2	0	0	0
4	0	3	0	0	0
5	0	3	0	0	0
6	1.8	2.9	0	0	0
7	3	2.8	0	0	0
8	3	3.4	0	0	0
9	3	4.2	0	0	0
10	3	4.4	0	0	0
11	3	3.8	0	0	0
12	3.6	3.6	0	0	0
13	3.4	3.2	0	0	0
14	3.1	3.2	0	0	0
15	2.3	3.3	0	0	0
16	2.5	3.3	0	0	0
17	3	3.2	0	0	0
18	3.2	2.7	0	0	0
19	3.8	0	0	0	0
20	3.8	0	0	0	0
21	3.8	0	0	0	0
22	3.7	0	0	0	0
23	3.7	0	0	0	0
24	3.6	0	0	0	0
25	3.6	0	0	0	0
26	3.6	0	0	0	0
27	4.2	0	0	0	0
28	4.4	0	0	0	0
29	4.3	0	0	0	0
30	4.5	0	0	0	0
31	4.2	---	0	0	---
Total	89.1	60.6	0	0	0
Mean	2.9	2	0	0	0
Max.	4.5	4.4	0	0	0
Min.	0	0	0	0	0
A.F.	180	120	0	0	0
Total 5 Months	---	---	300	A.F.	---

Appropriations: D-513aR, D-513b

EXCELSIOR CANAL from Niobrara River - 1987
 Gage Location: NE1/4NE1/4 Sec. 10-28-56 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

Date	May	June	July	Aug.	Sept.
1	0	4.2	0	0	0.1
2	0	3.8	0	0	0
3	0	3.3	0	0.5	0
4	0	3.3	0	0.5	0
5	0	3.4	0	0.5	0.1
6	0	3.4	0	0.4	0.1
7	3.8	3.3	0	0.5	0
8	6.1	3.4	0	0.5	0
9	4.3	3.8	0	0.5	0
10	3.9	4.3	0	0.5	0
11	3.9	4.4	0	0.5	0
12	3.4	4.3	0	0.4	0
13	3.3	0.8	0	0.5	0
14	3.3	0	0	0.5	0
15	3.1	0	0	0.5	0
16	4.2	0	0	0.5	0
17	4.9	0	0	0.5	0
18	4.8	0	0	0.4	0
19	2.5	0	0	0.4	0
20	3.1	0	0	0.3	0
21	2.3	0	0	0.2	0
22	3.6	0	0	0.1	0
23	5	0	0	0.2	0
24	4.9	0	0	0.2	0
25	5.4	0	0	0.2	0
26	5.8	0	0	0.2	0
27	5.4	0	0	0.2	0
28	5.1	0	0	0.2	0
29	5.1	0	0	0.2	0
30	5.1	0	0	0.1	0
31	4.7	---	0	0.1	---
Total	187	45.7	0	10.3	0.3
Mean	3.5	1.5	0	0.3	0
Max.	6.1	4.4	0	0.5	0.1
Min.	0	0	0	0	0
A.F.	210	90	0	20	0
Total 5 Months	---	---	320	A.F.	---

Appropriations: D-568, A-2264

COOK CANAL NO. 1 from Niobrara River - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0.2	0	0	0	0
3	0.7	0	0	0	0
4	0.1	0	0	0	0
5	0.1	0	0	0	0
6	0.1	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0.5	0	0	0
10	0	1.1	0	0	0
11	0	0.9	0	0	0
12	0	0.3	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	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	1.2	2.8	0	0	0
Mean	0	0.1	0	0	0
Max.	0.7	1.1	0	0	0
Min.	0	0	0	0	0
A.F.	2	6	0	0	0
Total 5 Months	---	---	8	A.F.	---

Appropriations: D-980

COOK PUMP from Niobrara River - 1987
 Gage Location: SE1/4NW1/4 & NW1/4SE1/4 Sec. 1-28-56 W.
 near Agate
 Measuring Device: Operator reported time
 Period of Record: 1981 - 1987

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	0.8	0	0	0	0
5	1.5	0	0	1.6	0
6	1.5	0	0	0	0
7	0.8	0	0	0	0
8	1.5	0	0	0	0
9	1.5	1.5	0	0	0
10	0.8	1.5	0	0	0
11	1.5	1.5	0	0	0
12	1.5	0.8	0	0	0
13	0.8	1.5	1.5	0	0
14	1.5	1.5	0.8	0	0
15	1.5	0.8	0.8	0	0
16	1.5	1.5	1.5	0	0
17	1.5	1.5	0.8	0	0
18	1.5	1.5	0.8	0.7	0
19	0.8	1.5	0.8	0	0
20	1.5	1.5	0.8	0	0
21	0.8	0.8	0.8	0	0
22	0.8	0.8	0	0	0
23	0	1.5	0	0	0
24	0	1.5	0	0	0
25	0	1.5	0	0	0
26	0.8	0.8	0	0	0
27	0	0	0	0	0
28	0	0	0	0	0
29	0	0	0	0	0
30	0	1.5	0	0	0
31	0	---	0	0	---
Total	24.4	25	8.6	2.3	0
Mean	0.8	0.8	0.3	0.1	0
Max.	1.5	1.5	1.5	1.6	0
Min.	0	0	0	0	0
A.F.	48	50	17	5	0
Total 5 Months	---	---	120	A.F.	---

Appropriations: D-980

NIOBARRA RIVER BASIN

HARRIS-NEECE CANAL from Niobrara River - 1987
 Gage Location: SE1/4NE1/4 Sec. 3-28-55 W.
 near Agate
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

Date	May	June	July	Aug.	Sept.
1	0	11	8.9	6.5	6.7
2	0	10	8.9	6.3	6.7
3	0	10	9.1	5.8	6.6
4	0	10	9.4	5.9	6.4
5	0	9.8	9.6	5.9	6.8
6	0	9.7	8.9	5.6	6.7
7	0	9.7	7.3	5.7	6.4
8	2	11	6.5	6.1	7.1
9	4	12	9.1	6.4	8.4
10	5	12	10	5.9	8.3
11	5	11	10	5.7	8.3
12	5.3	9.7	9.9	5.9	6.2
13	9.9	8.9	10	6.1	0
14	11	8.6	9.8	6.1	0
15	11	8.6	9.3	5.9	0
16	9.8	8.6	9.1	6.1	0
17	7	5.7	8.8	6.1	0
18	9.4	0	8.2	6.2	0
19	9.2	0	7.9	5.9	0
20	10	0	7.9	6.2	0
21	12	0	7.8	6.2	0
22	12	0	7.6	7.1	0
23	13	0	2	8.4	0
24	14	0	0	8.8	0
25	15	0	0	8.8	0
26	15	0	0	8.8	0
27	14	7.4	0	8.8	0
28	14	10	0	8.8	0
29	12	10	4.4	7.5	0
30	12	9.6	6.8	7.1	0
31	12	---	6.7	6.7	---
Total	243.6	203.3	213.9	207.3	84.6
Mean	7.9	6.8	6.9	6.7	2.8
Max.	15	12	10	8.8	8.4
Min.	0	0	0	5.6	0
A.F.	480	400	420	410	170
Total 5 Months	---	---	1880	A.F.	---

Appropriations: D-517, A-2275

HOFFMAN PUMP from Niobrara River - 1987
 Gage Location: SW1/4SE1/4 Sec. 3-28-55 W.
 near Agate
 Measuring Device: Operator reported time
 Period of Record: 1956, 1970 - 1987

May	June	July	Aug.	Sept.	Total (Acre-Feet)
0	1	0	0	0	1

Appropriations: A-5772

LABELLE CANAL from Niobrara River - 1987
 Gage Location: NW1/4NW1/4 Sec. 6-28-54 W.
 near Harrison
 Measuring device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

Date	May	June	July	Aug.	Sept.
1	0	3.2	0.5	0.2	0
2	0	3.7	0.5	0.2	0
3	0	3.7	0.5	0.1	0
4	0	3.8	0.5	0.1	0
5	0	3.3	0.6	0.1	0
6	0.6	3.2	0.5	0.1	0
7	2	3.2	0.6	0.1	0
8	1.6	3.6	0.6	0.2	0
9	1.3	3.3	0.4	0.2	0
10	1.1	3.6	0.3	0.2	0
11	1	3	0.3	0.2	0
12	0	2.7	0.3	0.2	0
13	0	2.5	0.3	0.2	0
14	0	1.6	0.2	0.2	0
15	0	1	0.2	0.2	0
16	0	1	0.2	0.2	0
17	0	1	0.3	0.2	0
18	0	1.2	0.2	0.2	0
19	0.6	1.2	0.3	0.2	0
20	2.2	1.1	0.3	0.2	0
21	3	1.1	0.4	0.3	0
22	3.1	1.1	0.3	0.3	0
23	2.6	1.1	0.3	0.2	0
24	2.4	1	0.3	0.2	0
25	3	1	0.3	0.1	0
26	2.6	1	0.3	0	0
27	3	1	0.4	0	0
28	3.1	0.6	0.4	0	0
29	3.3	0.6	0.4	0	0
30	3.3	0.5	0.3	0	0
31	3.3	---	0.3	0	---
Total	43.1	59.9	11.3	4.6	0
Mean	1.4	2	0.4	0.1	0
Max.	3.3	3.8	0.6	0.3	0
Min.	0	0.5	0.2	0	0
A.F.	85	119	22	9	0
Total 5 Months	---	---	255	A.F.	---

Appropriations: D-510, A-60

HETTLEN CANAL from Niobrara River - 1987
 Gage Location: NE1/4NW1/4 Sec. 4-28-54 W.
 near Agate
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

Date	May	June	July	Aug.	Sept.
1	0	1.6	2.2	1.5	2.5
2	0	1.2	2.3	1.5	2.6
3	0	0	2.4	1.8	2.5
4	0	0	2.8	1.8	2.6
5	2.5	0	3.5	1.8	3.9
6	4.1	0	2	1.9	3.8
7	3.3	0	0	2.4	3.9
8	2.5	0	0	2.7	4
9	2.5	0	0	2.2	3.4
10	2.6	0	0	1.8	2.6
11	2.7	0	0	0	2.8
12	2.8	0	0	0	2.8
13	3.2	0	0	0	3.9
14	2.8	0	0	0	5.7
15	2	0	0	0	5.7
16	2.8	0	0.6	0	5.5
17	4	0	1.4	0	2.1
18	4.1	0	1.7	0	0
19	3	0	1.9	0	0
20	3.2	0	1.9	0	0
21	3.2	0	2.1	0	0
22	2.6	2.4	0.6	0	0
23	2.8	6.1	0	0	0
24	2.9	6.8	0.3	0	0
25	4.2	7.3	0.6	0	0
26	4.9	7.2	0.6	0	0
27	5.3	6.3	1.1	0	0
28	2.3	3.6	4.6	0	0
29	2	2.3	4.6	0	0
30	2.2	2.3	2.6	0	0
31	1.9	---	1.5	0.8	---
Total	82.4	47.1	41.1	20.2	60.3
Mean	2.7	1.6	1.3	0.7	2
Max.	5.3	7.3	4.6	2.7	5.7
Min.	0	0	0	0	0
A.F.	163	93	82	40	120
Total 5 Months	---	---	498	A.F.	---

Appropriations: A-292, A-1248, A-2244

NIOBRARA RIVER BASIN

BENNETT-KAY CANAL from Niobrara River - 1987
 Gage Location: SE1/4NE1/4 Sec. 1-28-54 W.
 near Agate
 Measuring device: Stage recorder and concrete flume
 Period of Record: 1958 - 1987

Date	May	June	July	Aug.	Sept.
1	0	2.3	0	0	0
2	0	2.3	0	0	0
3	0	2.7	0	0	0
4	0	3	0	0	0
5	1.8	3.2	0	0	0
6	6.5	3	0	0	0
7	6	2.9	0	0	0
8	5.8	1.3	0	0	0
9	5.2	0	0	0	0
10	3.7	0	0	0	0
11	3.6	0	0	0	0
12	3.7	0	0	0	0
13	3.5	0	0	0	0
14	3.5	0	0	0	0
15	3.4	0	0	0	0
16	3.3	0	0	0	0
17	3	0	0	0	0
18	2.9	0	0	0	0
19	1.1	0	0	0	0
20	0.5	0	0	0	0
21	2.1	0	0	0	0
22	2.1	0	0	0	0
23	2.2	0	0	0	0
24	2.4	0	0	0	0
25	0.5	0	0	0	0
26	0.5	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	0.4	---	0	0	---
Total	67.7	20.7	0	0	0
Mean	2.2	0.7	0	0	0
Max.	6.5	3.2	0	0	0
Min.	0	0	0	0	0
A.F.	134	41	0	0	0
Total 5 Months	---	---	175	A.F.	---

Appropriations: A-1249

DAVISON PUMP from Niobrara River - 1987
 Gage Location: NW1/4NE1/4 Sec. 12-28-54 W.
 near Marsland
 Measuring Device: Operator reported time
 Period of Record: 1956, 1970 - 1987

May	June	July	Aug.	Sept.	Total (Acre-Feet)
0	4	0	6	0	10

Appropriations: A-1662

MOORE-KAY CANAL from Niobrara River - 1987
 Gage Location: SE1/4NE1/4 Sec. 9-28-53 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	1.3	0	0
2	0	0	1.4	0	0
3	0	0	1.3	0	0
4	0.5	0	1.5	0	0
5	1	0	1.4	0	0
6	0.2	0	0.7	0	0
7	0	0	2.1	0	0
8	0	0.2	2.4	0	0
9	0	0.8	2.2	0	0
10	0	1.2	2	0	0
11	0	1	0.9	0	0
12	0	1.4	0	0	0
13	0	1.5	0	0	0
14	0	1.3	0	0	0
15	0	1.4	0	0	0
16	0	1.6	0	0	0
17	0	1.6	0	0	0
18	0	1.6	0	0	0
19	0	2	0	0	0
20	0	2.1	0	0	0
21	0	2	0	0	0
22	0	1.9	0	0	0
23	0	1.5	0	0	0
24	0	1.4	0	0	0
25	0	1.4	0	0	0
26	0	1.4	0	0	0
27	0	1.4	0	0	0
28	0	1.4	0	0	0
29	0	1.4	0	0	0
30	0	1.3	0	0	0
31	0	---	0	0	---
Total	1.7	32.8	17.2	0	0
Mean	0.1	1.1	0.6	0	0
Max.	1	2.1	2.4	0	0
Min.	0	0	0	0	0
A.F.	3	65	34	0	0
Total 5 Months	---	---	102	A.F.	---

Appropriations: A-88

ARMSTRONG PUMP from Niobrara River - 1987
 Gage Location: SW1/4NW1/4 Sec. 9-28-53 W.
 near Marsland
 Measuring Device: Operator reported time
 Period of Record: 1970 - 1987

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

Appropriations: A-10870

NIOBRARA RIVER BASIN

GEO HITSHEW CANAL from Niobrara River - 1987
 Gage Location: SE1/4SE1/4 Sec. 6-28-52 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

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	0.4	0	0	0	0
8	0.8	0	0	0	0
9	0.8	0	0	0	0
10	0.1	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0.7	0	0	0
14	0	1.2	0	0	0
15	0	1.2	0	0	0
16	0	1.2	0	0	0
17	0	1.2	0	0	0
18	0	1.2	0	0	0
19	0	1.4	0	0	0
20	0	1.4	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	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	2.1	9.5	0	0	0
Mean	0.1	0.3	0	0	0
Max.	0.8	1.4	0	0	0
Min.	0	0	0	0	0
A.F.	4	19	0	0	0
Total 5 Months	---	---	23	A.F.	---

Appropriations: A-1260

HITSHEW PUMP NO. 2 from Niobrara River - 1987
 Gage Location: SE1/4SE1/4 Sec. 6-28-52 W.
 near Marsland
 Measuring Device: Operator reported time
 Period of Record: 1956, 1970 - 1987

May	June	July	Aug.	Sept.	Total (Acre-Feet)
30	0	15	0	0	45

Appropriations: A-4862

McLAUGHLIN CANAL from Niobrara River - 1987
 Gage Location: SW1/4SE1/4 Sec. 9-28-52 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

Date	May	June	July	Aug.	Sept.
1	0	7.7	5.8	0	0
2	0	7.3	6.4	0	0
3	0	6.9	6.8	0	0
4	0	6.9	6.1	0	0
5	0	7	4.1	0	0
6	0.6	7	2	0	0
7	0.9	7	1.8	0	0
8	0.8	7	1.8	0	0
9	0.7	7.6	1.8	0	0
10	0.7	7.8	1.8	0	0
11	0.7	7.8	1.7	0	0
12	0.6	7.6	1.5	0	0
13	0.6	6	1.4	0	0
14	0.6	3.6	1.3	0	0
15	0.5	4.3	1.3	0	0
16	0.4	4.5	1.4	0	0
17	0.3	5.8	3.3	0	0
18	1.3	5.9	3.6	0	0
19	5.2	7	3.5	0	0
20	4.6	7.7	2.8	0	0
21	9.8	7.8	1.4	0	0
22	11	8	0	0	0
23	11	8	0	0	0
24	11	7.9	0	0	0
25	11	7.5	0	0	0
26	12	7.2	0	0	0
27	9.6	7	0	0	0
28	8	6.7	0	0	0
29	7.8	6.6	0	0	0
30	8	6.4	0	0	0
31	7.8	---	0	0	---
Total	125.5	205.5	61.6	0	0
Mean	4	6.9	2	0	0
Max.	12	8	6.8	0	0
Min.	0	3.6	0	0	0
A.F.	250	410	120	0	0
Total 5 Months	---	---	780	A.F.	---

Appropriations: D-566

HUGHES CANAL from Niobrara River - 1987
 Gage Location: SE1/4SE1/4 Sec. 1-28-52 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

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	0.9
10	0	0	0	0	1.9
11	0	0	0	0	2.2
12	0	0	0	0	2.2
13	0	0	0	0	2.3
14	0	0	0	0	2.3
15	0	0	0	0	2.2
16	0	0	0	0	2.4
17	0	0	0	0	2.4
18	0	0	0	0	2
19	0	0	0	0	0
20	0	0.9	0	0	0
21	0	1.2	0	0	0
22	0	1.4	0	0	0
23	0	1.4	0	0	0
24	0	1.4	0	0	0
25	0	1.3	0	0	0
26	0	1.2	0	0	0
27	0	1.2	0	0	0
28	0	1.2	0	0	0
29	0	0.8	0	0	0
30	0	0	0	0	0
31	0	---	0	0	---
Total	0	12	0	0	20.8
Mean	0	0.4	0	0	0.7
Max.	0	1.4	0	0	2.4
Min.	0	0	0	0	0
A.F.	0	24	0	0	41
Total 5 Months	---	---	65	A.F.	---

Appropriations: D-987A, D-987B

NIORRARA RIVER BASIN

PIONEER CANAL from Niobrara River - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	3.2	0	0
2	0	0	3	0	0
3	0	0	3.1	0	0
4	0	0	3.5	0	0
5	0	0	3.6	0	0
6	0	0	3.6	0	0
7	0	0	3.9	0	0
8	0	0	4	0	0
9	2.7	0	4.1	0	0
10	6.4	0	4	0	0
11	6.6	0.7	4	0	0
12	6.6	2.9	4	0	0
13	6.2	2.8	4	0	0
14	5.9	2.9	3.9	0	0
15	5.7	2.8	3.8	0	0
16	5.1	2.8	3.8	0	0
17	4.7	2.7	3.6	0	0
18	4.4	2.7	3.6	0	0
19	4	3.2	3.4	0	0
20	3.7	3	3.4	0	0
21	3.7	2.7	2	0	0
22	1.2	3.2	0	0	0
23	0	3.2	0	0	0
24	0	3.3	0	0	0
25	0	3.2	0	0	0
26	0	3.1	0	0	0
27	0	3	0	0	0
28	0	3	0	0	0
29	0	3	0	0	0
30	0	3	0	0	0
31	0	---	0	0	---

Total 66.9 57.2 75.5 0 0
 Mean 2.2 1.9 2.4 0 0
 Max. 6.6 3.3 4.1 0 0
 Min. 0 0 0 0 0
 A.F. 130 110 150 0 0
 Total 5 Months ---- 390 A.F.

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

CIRCLE PUMP from Niobrara River - 1987
 Gage Location: NE1/4SW1/4 Sec. 5-28-51 W.
 near Marsland
 Measuring Device: Operator reported time
 Period of Record: 1970 - 1987

May	June	July	Aug.	Sept.	Total (Acre-Feet)
14	0	0	0	0	14

Appropriations: A-4758

PIONEER PUMP from Niobrara River - 1987
 Gage Location: SE1/4SW1/4 Sec. 30-29-50 W.
 near Marsland
 Measuring Device: Operator reported time
 Period of Record: 1981 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	1.2	1.1	0
2	0	0	0.6	0.9	0
3	0	0	0	0.7	0
4	0	0	0	0.8	0
5	0	0	0	0.8	0
6	0	0	0.7	0.4	0
7	0	0	0.6	0.8	0
8	0	0	0	0.8	0
9	0	0	1.2	1.1	0
10	0	0	1.2	1	0
11	0	0	1.2	1.1	0
12	0.8	0	1.2	0.5	0
13	0.7	0	0.6	0	0
14	0.4	0	0.7	0	0
15	0.8	0	0	0	0
16	0.8	0	0	0	0
17	1.1	0	0	0	0
18	1.3	1	0	0.5	0
19	1.4	0	0	0.5	0
20	1.4	0	0	1	0
21	1.4	0	0.5	0.6	0
22	1.4	0.5	1.1	0.6	0
23	0	0.7	0.7	0	0
24	0	0	0	0.5	0
25	0	1.2	0	0.5	0
26	0	0.6	1.2	0.7	0
27	0	1.2	1.1	0	0
28	0	1.2	1.1	0	0
29	0	1.2	1.2	0	0
30	0	1.2	1.2	0	0
31	0	---	1.1	0	---

Total 11.5 8.8 10.4 14.9 0
 Mean 0.4 0.3 0.6 0.5 0
 Max. 1.4 1.2 1.2 1.1 0
 Min. 0 0 0 0 0
 A.F. 23 17 36 30 0
 Total 5 Months ---- 106 A.F.

Appropriations: A-3812R

WILKINS PUMP from Niobrara River - 1987
 Gage Location: SE1/4NW1/4 Sec. 28-29-50 W.
 near Marsland
 Measuring Device: Operator reported time
 Period of Record: 1986 - 1987

May	June	July	Aug.	Sept.	Oct.	Total (Acre-Feet)
0	0	0	0	2	9	11

Appropriations: A-16398

NIOBARRA RIVER BASIN

FURMAN CANAL (North) from Niobrara River - 1987
 Gage Location: SW1/4SW1/4 Sec. 29-29-50 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1987

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

Appropriations: D-462

ENTERPRISE CANAL PUMP from Niobrara River - 1987
 Gage Location: NW1/4SE1/4 Sec. 27-29-50 W.
 near Marsland
 Measuring Device: Operator reported time
 Period of Record: 1977 - 1987

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

Appropriations: D-461, A-5181

BOX BUTTE RESERVOIR from Niobrara River - 1987
 Gage Location: SW1/4NE1/4 Sec. 28-29-49 W.
 near Dunlap
 Measuring Device: Stage observation
 Period of Record: 1946 - 1987

Date	STORAGE LEVEL				ELEVATION (Feet)				CONTENT (Acre-feet)			
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							14850		1810			
2												
3												
4												
5												
6												
7							13530	4760				
8												
9					16340							
10												
11								5020				
12						18750	12750					
13			14750									
14				17560	18510							
15												
16								4090				
17							10750					
18												
19												
20		13220			19000			3100				
21												
22							9420					
23												
24						18630						
25								2540				
26							8360					
27												
28		13840			18810	17600						
29												
30	11630			18070		18090			2720	3560	5340	6520
31			16420		18940		6160	1880				

Appropriations: A-2709A, A-3456

NIORRARA RIVER BASIN

DELSING PUMP from Niobrara River - 1987
 Gage Location: SW1/4NW1/4 Sec. 35-29-49 W.
 near Dunlap
 Measuring Device: Operator reported time
 Period of Record: 1983 - 1987

Date	Apr.	May	June	July	Aug.	Sept.
1	0	1	0	0	0	0
2	0	1	0	0	0	0
3	0	1	0	0	0	0
4	0	0	0	0	0	0
5	0	1	0	0	0	0
6	0	1	0	0	0	0
7	0	1	0	0	0	0
8	0	1	0	0	0	0
9	0	0.8	0	0	0	0
10	0	0.4	0	0	0	0
11	0	1.1	0	0	0	0
12	0	1.1	0	0	0	0
13	0	1.1	0.4	0	0	0
14	0	1.1	1.1	0	0	0
15	0	1.1	1.1	0	0	0
16	0	1.1	1.1	0	0	0
17	0	1.1	1.1	0	0	0
18	0	0.3	1.1	0	0	4
19	0	0	1.1	0	0	0
20	0	0	1.1	0	0	0
21	0	0	1.1	0	0	0
22	0	0	1.1	0	0	0
23	0	0	1.1	0	0	0
24	0	0	1	0	0	0
25	0	0	0.8	0	0	0
26	0	0	0	0	0	0
27	0	0	0	0	0	0
28	0	0	0	0	0	0
29	0	0	0	0	0	0
30	0.4	0	0	0	0	0
31	---	0	---	0	---	---
Total	0.4	16.2	13.2	0	0	4
Mean	0	1	0	0	0	0
Max.	0.4	1.1	1.1	0	0	4
Min.	0	0	0	0	0	0
A.F.	0	30	30	0	0	10
Total 6 Months	---	---	70	A.F.	---	---

Appropriations: A-16048

MONTAGUE PUMP from Niobrara River - 1987
 Gage Location: SE1/4NW1/4 Sec. 28-29-48 W.
 near Dunlap
 Measuring Device: Operator reported time
 Period of Record: 1956, 1970 - 1987

Date	May	June	July	Aug.	Sept.
1	0	1.7	0	0	0
2	0	1.7	0	0	1.7
3	0	0	0	0	1.7
4	0	0	0	1.7	1.7
5	0	0	1.7	1.7	1.7
6	0	0	1.7	1.7	1.7
7	0	0	1.7	1.7	0
8	0	0	1.7	1.7	0
9	0	0	1.7	1.7	0
10	0	0	1.7	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	1.7	0	0	0
14	0	1.7	0	0	0
15	0	1.7	0	1.7	0
16	0	1.7	0	1.7	0
17	0	1.7	1.7	1.7	0
18	0	0	1.7	1.7	0
19	0	1.7	1.7	0	0
20	0	1.7	1.7	0	0
21	0	1.8	1.7	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	1.7	0
25	0	0	0	1.7	0
26	0	1.7	0	1.7	0
27	0	1.7	0	1.7	0
28	0	1.7	1.7	0	0
29	1.7	1.7	1.7	0	0
30	1.7	0	1.7	0	0
31	1.7	---	1.7	0	---
Total	5.1	23.9	25.5	22.1	8.5
Mean	0	1	1	1	0
Max.	1.7	1.8	1.7	1.7	1.7
Min.	0	0	0	0	0
A.F.	10	50	50	40	20
Total 5 Months	---	---	170	A.F.	---

Appropriations: A-2266, A-10716

MONTAGUE CANAL from Niobrara River - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	0	1.1	0
2	0	0	0	0.9	0
3	0	0	0.3	0.8	0
4	0	0	0.7	0	0
5	0	0	0.5	0.6	0
6	0	0	1.5	0.3	0
7	0	0	0.2	0	0
8	0	0	0.3	0	0
9	0	0	0.9	0	0
10	0	0	0.9	0	0
11	0	0	0.3	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	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	---	0.6	0	---
Total	0	0	6.2	3.7	0
Mean	0	0	0.2	0.1	0
Max.	0	0	1.5	1.1	0
Min.	0	0	0	0	0
A.F.	0	0	12	7	0
Total 5 Months	---	---	19	A.F.	---

Appropriations: A-575, A-2756, A-3923

LICHTE CANAL from Niobrara River - 1987
 Gage Location: SW1/4NW1/4 Sec. 26-29-48 W.
 near Dunlap
 Measuring Device: Stage recorder and 3 ft. Parshall flume
 Period of Record: 1956 - 1987

Date	May	June	July	Aug.	Sept.
1	0	1.4	0	0	0
2	0	1.4	0	0	0
3	0	1.4	0	0	0
4	0	1.2	0	0	0
5	0	1.2	0	0	0
6	0	1.2	0	0	1
7	0	0	0	0	4.6
8	0	0	0	0	4.6
9	0	0	0	0	4.6
10	0	0	0	0	4.3
11	0	0	0	0	4.2
12	0	0	0	0	3.4
13	0.7	0	0	0	4.2
14	0.8	0	0	0	4.3
15	1.6	0	0	0	4.6
16	1.5	0	0	0	4
17	1.5	0	0	0	2.4
18	1.4	0	0	0	0
19	1.4	0	0	0	0
20	1.4	0	0	0	0
21	1.4	0	0	0	0
22	1.4	0	0	0	0
23	1.4	0	0	0	0
24	1.5	0	0	0	0
25	1.5	0	0	0	0
26	1.5	0	0	0	0
27	1.5	0	0	0	0
28	1.5	0	0	0	1
29	1.5	0	0	0	0
30	1.4	0	0	0	0
31	1.4	---	0	0	---
Total	26.3	7.8	0	0	47.2
Mean	0.8	0.3	0	0	1.6
Max.	1.6	1.4	0	0	4.6
Min.	0	0	0	0	0
A.F.	52	15	0	0	94
Total 5 Months	---	---	161	A.F.	---

Appropriations: D-479R, A-1086R, A-1088, A-1152R, A-2525R(Pet. 379), A-2837R, A-3592R(Pet. 396)

NIORARA RIVER BASIN

MIRAGE FLATS CANAL from Niobrara River - 1987
 Gage Location: SE1/4NW1/4 Sec. 26-29-48 W.
 near Dunlap
 Measuring Device: Stage recorder and 10 ft. Parshall flume
 Period of Record: 1946 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	168	185	55
2	0	0	181	185	0
3	0	0	202	172	0
4	0	0	206	158	0
5	0	0	183	154	0
6	0	0	166	146	0
7	0	0	168	135	0
8	0	0	159	0	0
9	0	0	142	0	0
10	0	0	135	0	0
11	0	0	135	32	0
12	0	0	134	94	0
13	0	0	147	113	0
14	0	0	152	123	0
15	0	0	154	122	0
16	0	0	163	126	0
17	0	0	179	131	0
18	0	0	167	132	0
19	0	0	161	130	0
20	0	0	160	122	0
21	0	0	162	116	0
22	0	0	161	104	0
23	0	0	167	108	0
24	0	0	133	91	0
25	0	37	134	86	0
26	0	47	140	86	0
27	0	46	147	95	0
28	0	51	167	98	0
29	0	108	169	81	0
30	0	159	183	88	0
31	0	---	182	74	---
Total	0	448	5007	3279	55
Mean	0	15	162	186	2
Max.	0	159	206	185	55
Min.	0	0	133	0	0
A.F.	0	890	9930	6500	110
Total 5 Months	----	17430	A.F.		

Appropriations: A-2683, A-3729

This record furnished by U.S.B.R.

POTMESIL CANAL from Niobrara River - 1987
 Gage Location: SW1/4NW1/4 Sec. 26-29-48 W.
 near Dunlap
 Measuring Device: Stage recorder and 3 ft. Parshall flume
 Period of Record: 1956 - 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	0	6.7	2.6	8.1
2	0	0	0	6.9	3.9	8
3	0	5.7	0	7	9.3	8
4	0	8.3	0	6.6	9.6	8
5	0	8.6	2.7	6.3	9.8	1.3
6	0	9	6	5.8	4.5	0
7	0	9.3	5.8	6.7	0	0
8	0	9.3	5.4	0.9	0	0
9	0	7.1	4.4	0	0	0
10	0	0	3.7	0	0	0
11	0	0	5	0.5	0	0
12	0	0	5.1	3	0	0
13	4.4	0.8	5.5	3.9	0	0
14	8.3	2	5.8	4.4	0	0
15	6.4	4	6.3	5	0	0
16	0	7	6.4	5.5	0	0
17	0	9.1	6.9	6	0	0
18	0	9	6.6	5.8	0	0
19	0	3.4	6.4	5.8	0	0
20	0	0	6.6	5.7	3.4	0
21	0	0	6.6	5.2	8.1	0
22	0	3.5	6.6	4.8	8.1	0
23	0	7.5	6.6	4.6	4.9	0
24	0	8.1	6.1	4	0	0
25	0	4.8	6	3.8	0	0
26	0	5.2	5.8	3.8	0	0
27	0	6.1	6.1	4	1.4	0
28	0	8.3	6.4	4.3	6.9	0
29	0	7.8	7.2	3.6	7.8	0
30	0	0	7.6	3.3	8	0
31	0	---	6.9	3	---	0
Total	19.1	143.9	160.5	136.9	88.3	33.4
Mean	1	5	5	4	3	1
Max.	8.3	9.3	7.6	7	9.8	8.1
Min.	0	0	0	0	0	0
A.F.	40	290	320	270	180	70
Total 6 Months	----	1170	A.F.			

Appropriations: A-2566, A-10686

HERRITT RESERVOIR storage in acre-feet - 1987
 Gage Location: SW1/4NW1/4 Sec. 29-31-30 W.
 Measuring Device: Stage observation
 Period of Record: 1965-1987

Date	STORAGE LEVEL												ELEVATION (Feet)	CONTENT (Acres-feet)	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		2946.0	7448
1	68831	68831	68831	68831	68831	68831	64084	47010	37818	49281	63740	68831	2875.0	1614	
2	68831	68831	68831	68831	68831	68560	63476	46213	37818	49712	64268	68560			
3	68831	68831	68831	68831	68831	68560	62963	45416	37818	50143	64797	68560			
4	68831	68831	68831	68831	69110	68560	62449	45025	37654	50790	65325	68560			
5	68831	68831	68831	68831	69110	68560	61936	44834	37654	51221	65853	68560			
6	68831	68831	68831	68831	69110	68560	61422	44834	37818	51437	66117	68560			
7	68831	68831	68831	69110	69110	68560	60909	44642	37818	51885	66660	68831			
8	68831	68831	68831	69110	69110	68560	60411	44451	37982	52333	67203	68831			
9	68831	68831	68831	68831	69110	68560	60161	44259	38323	52782	67745	68831			
10	68831	68831	68831	68831	69110	68560	59663	43876	38664	53230	68288	68831			
11	68831	68831	68831	68831	69110	68831	59663	43301	39084	53911	68560	68831			
12	68831	68831	68831	68560	68831	68831	59414	42748	39345	54376	69110	68831			
13	68831	68831	68831	68560	68331	68831	59165	42195	39863	54862	69668	68831			
14	68831	68831	68831	68831	68831	68831	58915	41642	40395	55074	69947	68831			
15	68831	68831	68831	68831	68560	68560	58666	41104	40926	55772	70226	68831			
16	68831	68831	68831	68831	68560	68560	58176	40572	41827	56246	70594	68831			
17	68831	68831	68831	68831	68560	68288	57452	40840	42564	56729	70594	68831			
18	68831	68831	68831	68831	68560	68917	57211	39516	42932	57211	70226	68831			
19	68831	68831	68831	68831	68831	68917	56487	39175	43301	57452	69947	68831			
20	68831	68831	68831	68560	68831	68917	56005	38664	43876	57935	69668	68831			
21	68831	68831	69110	68560	68831	68288	47381	38323	44451	58417	69389	68831			
22	68831	68831	69110	68560	68831	68288	46942	37982	45025	58915	69110	68831			
23	68831	68831	69389	68831	68831	68288	53911	37654	45615	59414	68831	68831			
24	68831	68831	69389	68831	68831	68917	53230	37491	46014	59912	68831	68831			
25	68831	68831	69389	68831	68831	67745	52558	37401	46611	60411	68831	68831			
26	68831	68831	69389	68831	68831	67474	51885	37491	47010	60909	68831	68831			
27	68831	68831	69389	68831	68831	66931	51221	37491	47416	61422	68831	68831			
28	68831	68831	68831	68831	68831	66388	50359	37654	48038	61679	68831	68831			
29	68831	---	68831	68831	68831	65853	49497	37654	48452	62193	68831	68831			
30	68831	---	68831	68831	68831	65061	48867	37818	48867	62706	68831	68831			
31	68831	---	68831	---	68831	---	47831	37818	---	63219	---	68831			

Appropriations: A-9660

NIOBRARA RIVER BASIN

AINSWORTH CANAL from Merritt Reservoir - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	62	526	592	260
2	0	71	540	589	262
3	0	71	505	546	263
4	0	76	506	311	230
5	0	83	508	286	189
6	0	88	516	292	156
7	0	103	539	305	145
8	0	127	511	317	116
9	0	135	379	336	100
10	0	123	358	415	73
11	0	114	314	500	48
12	0	134	304	500	49
13	0	156	295	502	35
14	0	172	335	494	0
15	0	199	390	443	0
16	0	210	440	444	0
17	19	229	474	446	0
18	133	232	486	446	0
19	95	165	491	441	0
20	75	131	509	407	0
21	74	140	536	367	0
22	65	175	552	315	0
23	64	246	569	314	0
24	67	294	568	297	0
25	67	348	533	230	0
26	61	403	531	224	0
27	55	452	541	232	0
28	55	457	560	211	0
29	55	479	572	185	0
30	55	505	586	193	0
31	56	---	593	224	---
Total	996	6180	15067	11404	1926
Mean	32	206	486	368	64
Max.	133	505	593	592	263
Min.	0	62	295	185	0
A.F.	1980	12260	29880	22620	3820
Total 5 Months	---	---	70560	A.F.	---

Appropriations: A-5218, 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 - 1987
Gage Location: Sec. 36-16-11 E. near Omaha
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1987

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, 1986	1510
January 31, 1987	1510
February 28, 1987	1500
March 31, 1987	1540
April 30, 1987	1520
May 31, 1987	1580
June 30, 1987	1500
July 31, 1987	1490
August 31, 1987	1530
September 30, 1987	1500
October 31, 1987	1520
November 30, 1987	1520
December 31, 1987	1510

Appropriations: A-12644

CUNNINGHAM LAKE (NO. 11) from Knight Creek - 1987
Gage Location: Sec. 22-16-12 E. in Omaha
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1987

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	1142.0	7450
Top of conservation pool	1121.0	1560
Top of dead storage pool	1099.0	280

Date	Contents (acre-feet)
December 31, 1986	4050
January 31, 1987	4020
February 28, 1987	4030
March 31, 1987	4290
April 30, 1987	4350
May 31, 1987	4050
June 30, 1987	3940
July 31, 1987	3950
August 31, 1987	4040
September 30, 1987	3970
October 31, 1987	3990
November 30, 1987	4010
December 31, 1987	4010

Appropriations: A-12909

WEHRSPANN LAKE (NO. 20) from South Fork, West Branch Papillion Creek - 1987
Gage Location: Sec. 23-14-11 E. near Chalco
Measuring Device: Stage recorder
Period of Record: 1985 - 1987

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, 1986	2050
January 31, 1987	2040
February 28, 1987	1990
March 31, 1987	2120
April 30, 1987	2340
May 31, 1987	2890
June 30, 1987	2670
July 31, 1987	2620
August 31, 1987	3020
September 30, 1987	2740
October 31, 1987	2640
November 30, 1987	2560
December 31, 1987	2600

Appropriations: A-16141

NORTH PLATTE RIVER BASIN

FORT LARAMIE CANAL from North Platte River - 1987
 Gage Location: SW1/4NW1/4 Sec. 10-26-65 W., Wyo.
 Measuring Device: Stage recorder and Parshall flume
 Period of Record: 1918 - 1928, 1933 - 1987

Date	May	June	July	Aug.	Sept.
1	0	736	1413	1506	1206
2	0	728	1438	1506	1180
3	0	733	1494	1509	1174
4	0	726	1494	1503	1137
5	0	726	1494	1500	1076
6	0	721	1497	1503	983
7	0	726	1503	1506	952
8	0	721	1500	1500	918
9	0	691	1484	1503	912
10	0	652	1503	1503	900
11	0	656	1503	1500	823
12	0	658	1503	1500	826
13	0	658	1500	1503	831
14	0	717	1497	1509	831
15	0	794	1497	1509	828
16	537	791	1503	1506	799
17	618	791	1506	1506	774
18	583	779	1506	1503	772
19	693	809	1506	1506	769
20	831	804	1506	1503	772
21	833	828	1509	1503	507
22	791	923	1509	1506	0
23	700	1090	1506	1487	0
24	629	1183	1509	1459	0
25	631	1194	1503	1441	0
26	627	1208	1506	1404	0
27	677	1229	1497	1380	0
28	738	1258	1509	1347	0
29	731	1273	1509	1284	0
30	733	1356	1509	1552	0
31	731	---	1509	1246	---
Total	11083	26159	46422	45493	18970
Mean	358	872	1497	1474	632
Max.	833	1356	1509	1552	1206
Min.	0	652	1413	1246	0
A.F.	21980	51890	92080	90630	37630
Total 5 Months	---	294210	A.F.		

Appropriations: A-768
 This data furnished by U.S.B.R.

FORT LARAMIE CANAL from North Platte River - 1987
 Gage Location: NW1/4NE1/4 Sec. 9-21-58 W.
 at Mile Post 85.3 for Nebr. Lands
 Measuring Device: Stage recorder and Parshall flume
 Period of Record: 1981 - 1987

Date	May	June	July	Aug.	Sept.
1	0	206	414	610	581
2	0	192	469	614	568
3	0	198	512	603	561
4	0	204	525	621	553
5	0	212	533	608	536
6	0	218	587	617	514
7	0	207	601	623	467
8	0	215	617	621	423
9	0	212	617	612	414
10	0	212	608	619	406
11	0	209	614	619	414
12	0	209	630	619	407
13	0	210	641	621	385
14	0	213	617	619	380
15	0	212	612	614	382
16	0	260	619	614	386
17	0	270	619	612	372
18	0	270	614	612	323
19	82	260	610	617	288
20	222	263	612	619	287
21	250	255	608	612	290
22	252	257	612	619	280
23	252	292	623	619	174
24	249	339	626	619	55
25	247	261	619	619	17
26	239	363	623	619	0
27	201	396	619	612	0
28	201	396	617	608	0
29	221	396	619	612	0
30	235	396	619	603	0
31	219	---	614	585	---
Total	2870	7803	18470	19041	9463
Mean	93	260	596	614	315
Max.	252	396	641	623	581
Min.	0	192	414	585	0
A.F.	5690	15480	36630	37770	18770
Total 5 Months	---	---	114340	A.F.	

Appropriations: A-768 (Nebr)
 This data furnished by U.S.B.R.

INTERSTATE CANAL from North Platte River - 1987
 Gage Location: NE1/4NW1/4 Sec. 11-26-65 W., Wyo.
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1915 - 1987

Date	Apr.	May	June	July	Aug.	Sept.
1	0	491	618	1903	1957	1597
2	0	0	150	1978	1947	1564
3	0	0	0	2008	1944	1512
4	0	0	0	1998	1257	1496
5	0	0	0	2001	1029	1502
6	0	0	0	2022	1120	1496
7	0	0	0	2015	1244	1451
8	0	0	0	2025	1332	1593
9	0	0	0	2025	1419	1396
10	0	0	0	2018	1567	1396
11	0	0	0	2022	1626	1390
12	0	0	0	2022	1626	1320
13	85	0	0	2015	1633	1291
14	445	0	0	2005	1630	1301
15	740	281	0	1995	1649	1291
16	912	816	0	1995	1682	1204
17	915	904	0	1998	1752	1213
18	915	909	0	1991	1735	1213
19	915	915	0	1988	1732	1213
20	912	971	0	1988	1732	1117
21	918	992	204	2005	1732	1108
22	921	1068	665	1988	1732	1105
23	924	1160	1135	1974	1729	1114
24	924	1219	1264	1984	1729	1120
25	921	1222	1403	1978	1739	1126
26	918	1222	1649	1974	1739	1117
27	915	1210	1795	1988	1732	1111
28	915	1219	1839	1978	1722	795
29	915	1225	1869	1971	1722	485
30	761	1229	1873	1971	1712	0
31	---	980	---	1964	1653	---
Total	14871	18035	14546	61787	58554	36437
Mean	496	582	485	1993	1631	1215
Max.	924	1229	1873	2025	1957	1597
Min.	0	0	0	1903	1029	0
A.F.	29500	35778	28850	122550	100270	72278
Total 6 Months	---	---	389210	A.F.		

Appropriations: A-768

NORTH PLATTE RIVER BASIN

ALICE RESERVOIR from North Platte River - 1987
 Gage Location: Sec. 8 & 15-23-54 W.
 near Scottsbluff
 Measuring Device: Stage observation
 PERIOD OF RECORD: 1977 - 1987

STORAGE LEVEL				ELEVATION (Feet)								CONTENT (Acres-feet)	
Top of conservation pool				4182.0								11,020	
Top of dead storage pool				4159.0								0	
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1				3321	4716	9650	10555	7998	6458	4669			
2					7724	9725	10555	7930	6265	4901			
3					8421	9725	10325	7930	6072	4552			
4					8774	10024	10173	8421	5822	4148		544	
5					8847	10099	10099	9283	5448	3644	2497		
6		4318	3810		8774	10024	9945	9283	5206	3160	2106		
7					8703	9949	9800	9283	5025	2748	1734		
8	4965				8633	9875	9650	9283	4904	2748	2013		
9					8562	9800	9501	9138	4727		1546		
10				3268	8491		9283	9065	4552		757		
11					8421	9650	9210	8992	4435				
12					8350		8992	8847	4318				
13		4204	3698		8208	9501	8919	8774	4318		663		
14				2954	8138	9501	8919	8703	4204				
15	4727			2300	8067	9428	8774	8491	4091				
16				1781	7998	9356	8774	8350	3979				
17				1034	7930	9283	8703	8208	3923				
18				1432	7930	9210	8633	8138	3810			520	
19				1966	8067	9138	8562	8067	3698				
20		4091	3537	2596	8067	9065	8491	8138	3810				
21				3109	8138	8992	8421	8067	3923				
22				3537	8138	8919	8350	7998	3923				
23	4610			4035	8067	8847	8350	7998	3923				
24				4435	8067	8703	8279	7724	3867				
25				4844	8138	8919	8279	7587	3979				
26				5146	8208	9210	8208	7381	4091				
27		3923	3429	5510	8491	9428	8138	7315	4148				
28				5822	8774	9675	8138	7049	4260				
29				6136	8992	10248	8067	6849	4318				
30				6458	9210	10478	8067	6716	4377	2596	544		
31	4435				9428		7998	6652				497	

Appropriations: A-768
 Values furnished by PID

MINATURE RESERVOIR from North Platte River - 1987
 Gage Location: Sec. 32-23-53 W.
 near Scottsbluff
 Measuring Device: Stage observation
 Period of Record: 1977 - 1987

STORAGE LEVEL				ELEVATION (Feet)								CONTENT (Acres-Feet)	
Top of conservation pool				4125.0								60,770	
Top of dead storage pool				4075.0								300	
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1				39740	50389	55273	54034	36384	34337	39197			
2					50590	55895	53626	35693	30890	39559			
3					50590	56518	53014	35013	31051	39921			
4					50590	56518	52400	34168	31212	40282		42302	
5					50590	56518	51998	35182	31534	40643	41194		
6		40282	39921		50590	56518	51593	35182	31695	40824	41378		
7					50590	56518	51193	35182	31656	41563	41563		
8	40643				50590	56518	50791	35182	32177	41748	41748		
9					50590	56518	51091	35520	32507		41932		
10				39740	50389		49795	35866	32838		42487		
11					50389	56518	49400	36038	33003				
12					50389		48806	36211	33334				
13		40101	39921	39740	50389	56518	48410	36384	33665		42671		
14				39740	50389	56518	47827	36211	33994				
15	40463			39921	50389	56518	47438	36038	34337				
16				40463	50389	56518	47049	35693	34844				
17				41194	50389	56518	46465	35351	35351				
18				41748	50389	56518	45891	34844	35844			41932	
19				42302	50389	56518	45318	34168	36384				
20		40101	39921	42859	50590	56310	44553	33665	36902				
21				43612	50791	56310	43800	33003	37075				
22				44176	51193	55895	43235	32507	37248				
23	40463			44744	51394	55480	42671	32017	37602				
24				45509	51394	55065	42117	31383	38132				
25				46274	51791	54858	41378	31051	38132				
26				46854	52198	54650	40643	30729	38309				
27		40101	39921	47632	52400	54650	39921	30568	38486				
28				48410	52604	54443	39197	30412	38839				
29				49202	53218	54443	38486	30412	39016				
30				49795	53626	54239	37778	30256	39016	41378	42487		
31	40463				54443		37075	30412				41748	

Appropriations: A-768
 Values furnished by PID

NORTH PLATTE RIVER BASIN

MITCHELL & GERING CANAL from North Platte River - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	78	288	305	231
2	0	78	300	315	224
3	0	79	312	313	227
4	0	17	318	297	229
5	0	0	317	264	232
6	0	0	311	274	224
7	0	0	317	267	216
8	0	0	321	267	222
9	0	0	293	268	209
10	0	0	275	267	181
11	0	0	278	264	174
12	143	0	287	275	175
13	185	0	281	279	177
14	187	0	276	277	166
15	180	0	264	289	168
16	185	0	257	279	172
17	186	0	262	278	177
18	184	0	279	266	181
19	176	0	290	265	181
20	177	0	294	276	181
21	176	81	291	276	185
22	176	199	284	279	195
23	179	274	289	288	188
24	179	298	290	278	165
25	180	305	295	239	157
26	175	301	290	234	154
27	178	303	292	243	159
28	101	293	288	239	157
29	78	305	290	242	132
30	78	294	290	240	32
31	79	---	289	233	---
Total	3182	2905	9008	8376	5471
Mean	103	97	291	270	182
Max.	187	305	321	315	232
Min.	0	0	257	233	32
A.F.	6310	5760	17870	16610	10850
Total 5 Months	---	---	57400	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 - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	60	164	164	161
2	0	61	191	182	147
3	0	61	209	189	147
4	0	59	192	232	189
5	0	19	178	207	172
6	0	0	188	210	159
7	0	0	200	178	152
8	0	68	221	198	138
9	0	6	204	187	134
10	0	40	178	182	125
11	0	0	184	167	123
12	0	0	197	171	128
13	0	0	218	185	129
14	36	0	210	177	129
15	76	0	191	179	120
16	81	0	153	194	123
17	89	0	142	178	120
18	71	0	151	171	129
19	90	0	174	155	138
20	99	0	185	166	135
21	88	0	177	178	129
22	100	58	174	181	119
23	127	157	179	219	113
24	50	157	184	195	85
25	37	152	185	170	87
26	99	148	187	161	107
27	60	155	181	161	96
28	71	161	174	174	100
29	71	174	171	182	95
30	70	167	166	181	77
31	59	---	159	163	---
Total	1374	1703	5667	5637	3806
Mean	44	57	183	182	127
Max.	127	174	221	232	189
Min.	0	0	142	155	77
A.F.	2730	3380	11240	11180	7550
Total 5 Months	---	---	36080	A.F.	

Appropriations: A-365R
 Data furnished by Bureau of Reclamation
 Note: Published values prior to 1985
 were adjusted by carriage losses.

TRI-STATE CANAL from North Platte River - 1987
 Gage Location: NE1/4NE1/4 Sec. 10-23-58 W.
 near Henry
 Measuring Device: Stage recorder
 Period of Record: 1916, 1919 - 1987

Date	May	June	July	Aug.	Sept.
1	125	330	1210	1180	776
2	176	340	1210	1180	756
3	265	344	1200	1170	743
4	258	349	1210	443	753
5	260	340	1210	264	743
6	332	342	1210	252	726
7	366	342	1210	252	702
8	362	349	1210	260	660
9	375	354	1210	246	639
10	370	349	1210	254	610
11	365	345	1210	325	586
12	354	346	1210	400	563
13	349	350	1210	409	562
14	346	347	1180	506	526
15	388	424	1160	676	488
16	451	466	1150	1070	477
17	545	478	1130	1160	470
18	598	605	1160	1120	466
19	594	669	1180	1070	462
20	585	690	1170	1060	468
21	595	767	1180	1070	468
22	568	837	1190	1070	465
23	572	914	1180	1070	466
24	558	1010	1180	1050	465
25	460	1070	1190	1080	459
26	332	1090	1190	934	444
27	330	1090	1190	868	365
28	330	1080	1180	826	118
29	336	1120	1180	833	0
30	339	1170	1190	826	0
31	328	---	1190	807	---
Total	12212	18307	36890	23651	15406
Mean	394	610	1190	763	514
Max.	598	1170	1210	1180	776
Min.	125	330	1130	246	0
A.F.	24220	36310	75170	46910	30560
Total 5 Months	---	---	211170	A.F.	

Appropriations: D-918, 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 - 1987
 Gage Location: NE1/4NW1/4 Sec. 17-23-57 W.
 near Morrill
 Measuring Device: Stage recorder
 Period of Record: 1986 - 1987

Date	May	June	July	Aug.	Sept.
1	0	61	60	76	90
2	0	62	60	77	89
3	0	61	59	77	90
4	0	61	61	19	92
5	0	60	67	0	95
6	12	59	63	0	96
7	49	57	66	0	96
8	69	85	68	0	97
9	66	74	70	0	94
10	66	77	69	0	93
11	66	70	69	0	92
12	65	69	72	0	91
13	64	68	75	90	92
14	63	69	72	90	92
15	62	69	70	92	94
16	59	69	69	97	96
17	58	69	69	97	96
18	60	69	72	96	98
19	59	68	77	97	100
20	62	67	77	97	100
21	61	66	75	96	100
22	61	63	76	98	100
23	64	62	80	102	100
24	18	61	79	102	100
25	0	62	80	102	15
26	64	62	81	102	0
27	64	62	83	99	0
28	61	63	83	97	0
29	63	65	80	96	0
30	65	61	75	92	0
31	63	---	72	91	---
Total	1488	1971	2227	2082	2298
Mean	48	65.7	71.8	67.2	76.6
Max.	69	85	83	102	100
Min.	0	57	59	0	0
A.F.	2950	3910	4420	4130	4560
Total 5 Months	---	---	19970	A.F.	---

Values provided by U.S.B.R.
 Prior years available from U.S.B.R.

SUMMARY OF DIVERSIONS FOR FARMERS IRRIGATION DISTRICT - 1987
 Values in Acre-feet

	May	June	July	Aug.	Sept.	Totals
Diverted from:						
North Platte River	22050	28320	59760	48190	28320	178640
Optional diversions	0	0	840	420	160	1420
Drains	2220	0	0	1880	200	4300
Totals	24270	28320	60600	42490	28680	184360

*Alliance Drain onto Farmers Irrigation District lands
 **Diverted by Farmers Irrigation District in excess of delivery to Northport Irrigation District

TRI-STATE CANAL from Dry Spotted Tail Creek - 1987
 Gage Location: SW1/4SW1/4 Sec. 4-23-56 W.
 near Morrill
 Measuring Device: Stage recorder
 Period of Record: 1986 - 1987

Date	May	June	July	Aug.	Sept.
1	0	13	13	24	24
2	0	13	13	24	24
3	0	14	14	24	24
4	0	14	14	21	25
5	0	14	14	0	27
6	0	13	14	0	26
7	0	13	16	0	26
8	0	14	17	0	27
9	0	14	17	0	27
10	0	14	17	0	27
11	0	12	17	0	27
12	0	11	16	0	26
13	0	11	17	15	26
14	7	10	17	24	25
15	7	10	18	24	27
16	6	9	18	24	9
17	6	9	19	22	0
18	7	9	19	23	0
19	7	8	19	24	0
20	9	8	21	24	0
21	9	8	22	24	0
22	10	8	22	24	0
23	12	8	23	24	0
24	7	9	21	25	0
25	5	10	22	23	0
26	14	10	21	24	0
27	13	11	21	25	0
28	13	11	21	25	0
29	13	12	21	25	0
30	16	12	21	26	0
31	14	---	23	25	---
Total	175	332	568	543	397
Mean	5.6	11.1	18.3	17.5	13.2
Max.	16	14	23	26	27
Min.	0	8	13	0	0
A.F.	350	660	1130	1080	790
Total 5 Months	---	---	4010	A.F.	---

Values provided by U.S.B.R.
 Prior years available from U.S.B.R.

TRI-STATE CANAL from Akers Draw - 1987
 Gage Location: NW1/4SW1/4 Sec. 12-23-57 W.
 near Morrill
 Measuring Device: Stage recorder
 Period of Record: 1986 - 1987

Date	May	June	July	Aug.	Sept.
1	11	11	13	15	15
2	11	11	13	15	15
3	11	11	13	15	15
4	11	11	13	19	15
5	11	11	13	13	15
6	11	11	14	12	15
7	11	11	13	13	15
8	11	11	14	13	14
9	10	11	14	13	15
10	11	9.4	14	13	15
11	11	9.6	14	12	15
12	10	10	14	12	15
13	11	10	15	12	15
14	11	11	16	12	15
15	11	11	18	13	15
16	11	11	18	14	15
17	12	11	17	16	15
18	11	11	16	15	15
19	11	11	15	15	15
20	11	11	15	15	15
21	11	11	15	15	15
22	10	11	15	15	14
23	11	12	15	15	14
24	11	12	15	15	14
25	10	12	15	14	14
26	10	12	15	11	14
27	9.0	12	15	11	14
28	10	12	16	12	14
29	11	12	15	12	13
30	11	12	15	13	13
31	11	---	15	14	---
Total	336.8	333	458	424	450
Mean	10.8	11.1	14.8	13.7	14.6
Max.	12	12	18	19	15
Min.	9.0	9.4	13	11	13
A.F.	660	660	910	840	870
Total 5 Months	---	---	3940	A.F.	---

Values provided by U.S.B.R.
 Prior years available from U.S.B.R.

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Wet Spotted Tail Creek - 1987
 Gage Location: NW1/4NE1/4 Sec. 10-23-56 W.
 near Morrill
 Measuring Device: Stage recorder
 Period of Record: 1986 - 1987

Date	Apr.	May	June	July	Aug.	Sept.
1	0	9	15	9	11	21
2	0	11	15	9	10	22
3	0	11	14	10	10	23
4	0	15	13	10	620	26
5	0	12	12	11	48	26
6	0	11	12	11	36	25
7	0	10	11	12	31	26
8	0	10	12	12	33	29
9	0	10	12	8	27	29
10	0	10	14	8	27	31
11	0	11	12	9	25	31
12	0	11	12	10	26	31
13	0	10	12	11	26	31
14	0	10	13	11	26	31
15	0	10	13	10	26	36
16	0	9	13	10	28	35
17	0	9	13	10	24	33
18	0	8	13	11	24	33
19	0	8	13	10	23	33
20	0	11	12	11	22	33
21	0	10	12	12	20	35
22	0	11	12	13	23	35
23	0	15	11	14	23	35
24	0	13	12	13	23	36
25	0	16	12	13	22	36
26	0	15	11	14	22	38
27	10	13	9	14	22	38
28	9	12	8	14	22	38
29	9	15	8	12	22	37
30	9	16	10	11	22	35
31	---	15	---	11	22	---
Total	37	357	361	344	1346	948
Mean	1	12	12	11	43	32
Max.	10	16	15	14	620	38
Min.	0	8	8	8	10	21
A.F.	70	710	720	680	2670	1880
Total 6 Months	---	---	6730	A.F.	---	---

Values provided by U.S.B.R.

TRI-STATE CANAL from Tub Springs - 1987
 Gage Location: SW1/4SE1/4 Sec. 27-23-55 W.
 near Morrill
 Measuring Device: Stage recorder
 Period of Record: 1986 - 1987

Date	May	June	July	Aug.	Sept.
1	0	28	30	40	49
2	0	26	34	40	46
3	0	26	37	39	47
4	0	26	35	64	45
5	0	25	37	42	44
6	0	24	35	37	42
7	0	23	35	34	40
8	0	26	41	25	39
9	0	23	38	22	40
10	0	23	40	20	41
11	0	22	43	20	42
12	0	22	44	21	42
13	9	22	48	22	42
14	17	22	52	41	42
15	17	22	51	43	42
16	17	22	49	44	42
17	17	21	49	46	42
18	17	21	49	48	40
19	17	21	50	43	40
20	19	21	49	40	40
21	20	21	48	41	40
22	22	20	48	43	40
23	22	20	48	44	38
24	16	20	48	46	37
25	7	21	47	46	37
26	30	22	45	47	36
27	25	23	43	47	36
28	25	23	45	47	11
29	26	25	44	46	0
30	26	27	43	48	0
31	27	---	40	49	---
Total	376	688	1345	1235	1124
Mean	12.1	22.9	43.4	39.8	37.5
Max.	30	28	52	64	49
Min.	0	20	30	20	0
A.F.	750	1360	2670	2450	2230
Total 5 Months	---	---	9460	A.F.	---

Values provided by U.S.B.R.
 Prior years available from U.S.B.R.

NORTHPORT CANAL from North Platte River and Drains - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	121	265	265	220
2	0	130	259	262	220
3	0	130	265	265	197
4	0	124	262	181	184
5	0	125	268	19	188
6	0	125	269	4	188
7	0	124	262	3	187
8	0	128	265	2	185
9	0	138	259	2	188
10	0	130	259	2	167
11	0	126	261	2	160
12	0	125	268	17	139
13	0	124	266	183	143
14	0	128	263	198	138
15	0	129	263	197	141
16	0	135	263	211	138
17	80	188	261	248	142
18	81	200	266	266	139
19	138	207	266	258	137
20	136	204	265	266	144
21	141	208	263	265	139
22	133	237	265	263	138
23	140	261	265	265	137
24	175	256	265	265	138
25	180	263	265	248	138
26	72	265	265	230	139
27	108	265	266	238	133
28	130	261	262	234	117
29	128	261	263	238	76
30	129	268	269	235	24
31	123	---	263	234	---
Total	1894	5386	8186	5566	4442
Mean	61	180	264	180	148
Max.	180	268	269	266	220
Min.	0	121	259	2	24
A.F.	3760	10680	16240	11040	8810
Total 5 Months	---	---	50530	A.F.	---

Appropriations: A-768
 Published values prior to 1985 were adjusted by
 Tri-State Canal losses and contributions from drains.
 Values provided by U.S.B.R.

NORTH PLATTE RIVER BASIN

SUMMARY OF DIVERSIONS FOR NORTHPORT IRRIGATION DISTRICT - 1987
Values in Acre-feet

Diverted from:	Section Township Range	Values in Acre-feet					Totals
		May	June	July	Aug.	Sept.	
North Platte River	10-23-58	2170	7990	13410	6720	2470	32760
*Sheep Creek	17-23-57	1610	3910	4420	4130	4480	18550
*Akers Draw	12-23-57	300	660	910	640	750	3260
*Tub Springs	27-33-55	630	1360	2670	2020	2250	8910
*Dry Spottedtail Cr.	9-23-56	310	660	1150	1040	790	3950
*Wet Spottedtail Cr.	10-23-56	350	720	480	1460	1880	5090
*Hoffat Drain	25-22-53	0	0	0	0	0	0
Totals		5370	15300	23220	16010	12600	72500

*Water from drains includes runoff and return flow from the North Platte Project, Interstate division. This water is intercepted by the Tri-State Canal and delivered to Northport Irrigation District lands in compliance with the 1941 decree from the U.S. Eighth Circuit Court of Appeals.

NORTH PLATTE RIVER Passing Tri-State Dam - 1987
Gage Location: NW1/4NE1/4 Sec. 10-23-58 W. near Henry
Measuring Device: Stage recorder
Period of Record: 1947 - 1964, 1967 - 1987

Date	May	June	July	Aug.	Sept.
1	586	112	114	112	33
2	463	79	85	105	32
3	502	91	93	102	32
4	530	180	107	1260	43
5	398	175	112	1100	82
6	251	130	83	1130	77
7	175	96	47	824	72
8	147	319	98	732	68
9	195	313	158	548	72
10	305	496	121	393	58
11	320	393	80	173	88
12	98	311	123	46	202
13	98	263	190	43	263
14	73	250	178	43	323
15	102	130	120	47	366
16	77	34	79	58	402
17	77	31	70	147	407
18	123	31	93	198	430
19	167	31	118	159	435
20	182	30	118	120	420
21	170	30	107	89	440
22	167	30	96	70	475
23	158	30	109	94	524
24	141	57	109	77	408
25	178	111	129	89	180
26	185	107	109	71	105
27	155	127	114	50	134
28	151	84	105	45	378
29	147	64	120	40	435
30	153	159	111	40	560
31	132	----	102	45	----
Total	6606	4274	3300	8050	7544
Mean	213	142	109	260	251
Max.	586	496	190	1260	560
Min.	73	30	47	40	32
A.F.	13100	8480	6700	15970	14960
Total 5 Months	----	59210	A.F.		

RAMSHORN CANAL from North Platte River - 1987
Gage Location: NW1/4NE1/4 Sec. 19-23-57 W. near Henry
Measuring Device: Stage recorder and weir
Period of Record: 1919 - 1987

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 - 1987
 Gage Location: NW1/4SW1/4 Sec. 12-23-57 W.
 Measuring Device: Stage recorder
 Period of Record: 1972 - 1987

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1987, 109 cubic feet per second at 0040 hours on August 4, 1987 at a gage height of 5.01. Minimum daily discharge, 9.4 cubic feet per second on June 10, 1987.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11	9.9	12	11	11	11	13	15	15	13	12	13
2	11	9.9	12	11	11	11	13	15	15	13	12	13
3	11	9.7	12	11	11	11	13	15	15	13	12	13
4	11	9.7	12	11	11	11	13	19	15	13	12	12
5	11	10	11	11	11	11	13	13	15	12	12	12
6	12	10	11	11	11	11	14	12	15	12	13	12
7	12	10	11	12	11	11	13	13	15	12	13	12
8	12	10	11	12	11	11	14	13	14	12	13	12
9	12	10	11	12	10	11	14	13	15	12	13	12
10	11	10	11	12	11	9.4	14	13	15	11	13	12
11	11	9.8	11	12	11	9.6	14	12	15	11	13	12
12	11	9.8	11	13	10	10	14	12	15	11	13	12
13	12	10	11	13	11	10	15	12	15	12	13	12
14	11	10	11	13	11	11	16	12	15	11	13	12
15	11	10	11	13	11	11	18	13	15	12	13	12
16	12	10	11	13	11	11	18	14	15	12	13	12
17	12	10	11	13	12	11	17	16	15	11	13	11
18	12	10	11	13	11	11	16	15	15	11	13	11
19	11	11	11	14	11	11	15	15	15	11	13	11
20	11	11	11	14	11	11	15	15	15	11	13	11
21	11	11	11	13	11	11	15	15	15	12	13	11
22	11	11	11	13	10	11	15	15	14	12	13	11
23	10	11	11	12	11	12	15	15	14	12	13	11
24	11	11	11	13	11	12	15	15	14	11	13	11
25	11	11	11	13	10	12	15	14	14	11	13	12
26	11	11	11	13	10	12	15	11	14	12	13	12
27	11	11	11	12	9.8	12	15	11	14	12	13	12
28	11	11	11	11	10	12	16	12	14	12	13	11
29	10	---	11	11	11	12	15	12	13	12	13	13
30	9.8	---	11	11	11	12	15	13	13	12	13	13
31	10	---	11	---	11	---	15	14	---	12	---	13
Total	344.8	288.8	345	367	334.8	333	458	424	438	366	385	369
Mean	11	10	11	12	11	11	15	14	15	12	13	12
Max.	12	11	12	14	12	12	18	19	15	13	13	13
Min.	9.8	9.7	11	11	9.8	9.4	13	11	13	11	12	11
A.F.	680	570	680	730	660	660	910	840	870	730	760	730
Total 12 Months	---	---	8820	A.F.	---	---	---	---	---	---	---	---

ENTERPRISE CANAL from North Platte River - 1987
 Gage Location: NE1/4NE1/4 Sec. 27-23-57 W. near Morrill
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1916, 1919 - 1987

Date	May	June	July	Aug.	Sept.
1	41	48	78	107	80
2	64	48	73	107	80
3	66	48	82	111	78
4	68	57	89	16	76
5	65	63	96	0	74
6	56	61	92	0	75
7	46	64	85	0	76
8	49	57	96	0	71
9	57	44	98	0	67
10	61	48	96	41	67
11	67	47	86	70	69
12	68	46	88	68	69
13	63	46	102	66	69
14	59	46	106	68	70
15	68	50	99	72	71
16	64	51	93	72	71
17	62	51	98	73	71
18	67	50	101	76	72
19	74	61	102	80	72
20	80	67	104	78	73
21	70	65	101	76	73
22	73	64	98	76	73
23	77	63	98	79	72
24	85	64	99	83	69
25	81	64	104	85	58
26	74	75	103	84	50
27	70	82	105	79	52
28	69	80	106	78	53
29	54	78	102	78	47
30	48	81	103	79	30
31	49	---	102	80	---
Total	1995	1769	2985	1982	2028
Mean	64	59	96	64	68
Max.	85	82	106	111	80
Min.	41	44	73	0	30
A.F.	3960	3510	5920	3930	4020
Total 5 Months	---	---	21340	A.F.	---

Appropriations: D-920

ENTERPRISE CANAL from Morrill Drain - 1987
 Gage Location: NE1/4SE1/4 Sec. 14-23-57 W. near Morrill
 Measuring Device: Stage observation
 Period of Record: 1921 - 1923, 1931 - 1946, 1948 - 1987

Date	May	June	July	Aug.	Sept.
1	0.1	1.5	1.5	1.9	1.6
2	0.2	1.4	1.5	1.9	1.7
3	0.4	1.4	1.5	1.9	1.7
4	0.6	1.4	1.5	1.9	1.8
5	0.8	1.4	1.5	1.9	1.9
6	0.8	1.3	1.5	1.9	1.9
7	0.9	1.3	1.5	1.9	2
8	1	1.3	1.5	1.9	2.1
9	1.1	1.3	1.4	1.9	2.2
10	1.2	1.3	1.4	1.9	2.2
11	1.2	1.2	1.4	1.9	2.2
12	1.3	1.2	1.4	1.9	2.2
13	1.4	1.2	1.4	1.8	2.2
14	1.5	1.2	1.4	1.7	2.1
15	1.6	1.2	1.4	1.7	2.1
16	1.7	1.1	1.4	1.6	2.1
17	1.8	1.1	1.5	1.5	2.1
18	1.9	1.1	1.5	1.5	2.1
19	2	1.2	1.6	1.4	2.1
20	2.1	1.2	1.6	1.4	2.1
21	2	1.2	1.6	1.3	2.1
22	2	1.2	1.7	1.2	2.1
23	2	1.3	1.7	1.2	2
24	1.9	1.3	1.8	1.1	2
25	1.8	1.3	1.8	1.1	2
26	1.8	1.4	1.8	1.2	2
27	1.8	1.4	1.9	1.2	2
28	1.7	1.4	1.9	1.3	2
29	1.6	1.5	1.9	1.4	2
30	1.6	1.5	1.9	1.4	2
31	1.6	---	1.9	1.5	---
Total	43.4	38.8	49.3	49.3	60.6
Mean	1.4	1.3	1.6	1.6	2
Max.	2.1	1.5	1.9	1.9	2.2
Min.	0.1	1.1	1.4	1.1	1.6
A.F.	86	77	98	98	120
Total 5 Months	---	---	479	A.F.	---

NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Winter Creek - 1987
 Gage Location: NW1/4NE1/4 Sec. 17-22-54 W.
 near Scottsbluff
 Measuring Device: Stage observation
 Period of Record: 1937 - 1943, 1969 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	0	1.7	1.8
2	0	0	0	1.4	1.7
3	0	0	0.2	1	1.7
4	0	0	0.4	0.7	1.6
5	0	0	0.7	0.4	1.9
6	0	0	0.9	0	1.9
7	0	0	1.1	0.3	2
8	0	0	1.3	0.6	2
9	0	0	1.6	0.9	2.1
10	0	0	1.7	1.2	2.1
11	0	0	1.9	1.5	1.8
12	0	0	2	2	1.5
13	0	0	2.1	2	1.2
14	0	0	2.2	2	0.9
15	0	0	2.4	2	0.6
16	0	0	2.5	2	0.3
17	0	0	2.4	2	0
18	0	0	2.4	2.1	0.5
19	0	0	2.3	2.1	0.7
20	0	0	2.2	2.1	0.9
21	0	0	2.1	2.1	1.1
22	0	0	2.1	2.1	1.3
23	0	0	2	2.1	1.5
24	0	0	2.1	2.1	1.7
25	0	0	2.1	2.1	1.5
26	0	0	2.2	2.1	1.3
27	0	0	2.2	2.1	1.1
28	0	0	2.3	2	0.9
29	0	0	2.4	2	0.7
30	0	0	2.4	1.9	0.5
31	0	---	2.1	1.9	---
Total	0	0	54.3	50.5	39
Mean	0	0	1.6	1.6	1.3
Max.	0	0	2.5	2.1	2.1
Min.	0	0	0	0	0
A.F.	0	0	108	100	77
Total 5 Months	----	----	285	A.F.	77

ENTERPRISE CANAL from Dry Spottedtail Creek - 1986
 Gage Location: NW1/4SW1/4 Sec. 21-23-56 W.
 near Mitchell
 Measuring Device: Section of canal
 Period of Record: 1960 - 1969, 1985 - 1987

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	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	0	0	0
17	0	0	0	0	0
18	0	0	0	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0.7	0	0
26	0	0	0.8	0	0
27	0	0	0.9	0	0
28	0	0	1	0	0
29	0	0	1.1	0	0
30	0	0	1	0	0
31	0	---	1	0	---
Total	0	0	6.5	0	0
Mean	0	0	0	0	0
Max.	0	0	1.1	0	0
Min.	0	0	0	0	0
A.F.	0	0	10	0	0
Total 5 Months	----	----	10	A.F.	0

SUMMARY OF DIVERSIONS FOR ENTERPRISE CANAL - 1987
 Values in Acre-feet

	May	June	July	Aug.	Sept.	Totals
Diverted from:						
North Platte River	3960	3510	5920	3930	4020	21340
Morrill Drain	66	77	98	95	120	479
Winter Creek	0	0	108	100	77	285
Dry Spottedtail Cr.	0	0	10	0	0	10
Totals	4046	3587	6136	4128	4217	22114

WINTERS CREEK CANAL from Winters Creek - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	30	51	37
2	0	0	29	51	36
3	0	0	32	48	40
4	0	0	31	101	42
5	0	0	35	0	41
6	0	0	35	0	42
7	0	0	39	0	45
8	0	3.7	34	0	49
9	0	0	36	0	47
10	0	0	39	0	43
11	0	0	39	17	41
12	0	0	45	22	36
13	0	0	45	29	36
14	0	0	40	27	33
15	0.05	0	37	29	34
16	3.2	5.6	35	37	34
17	4.4	12	32	49	26
18	12	15	37	39	24
19	17	17	40	31	24
20	19	21	39	38	26
21	17	22	35	35	26
22	16	22	41	36	22
23	3.2	15	50	42	19
24	0	15	50	44	20
25	0	21	48	49	18
26	0	21	52	47	19
27	0	23	49	44	20
28	0	24	41	41	6.3
29	0	31	39	38	0
30	0	31	41	38	0
31	0	---	43	38	---
Total	91.85	299.3	1218	1021	888.3
Mean	3	10	39	33	30
Max.	19	31	52	101	49
Min.	0	0	29	0	0
A.F.	180	590	2420	2030	1760
Total 5 Months	---	---	6980	A.F.	---

WINTERS CREEK FACTORY LATERAL from Winters Creek - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	0	2.6	4.2
2	0	0	0	0.7	4.2
3	0	0	0	2.8	4.4
4	0	0	0	4.9	4.2
5	0	0	0	1.8	4.1
6	0	0	0	0	3.2
7	0	0	0	0	1.6
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	2.1
12	0	0	0	0	3.4
13	0	0	0	0	3.3
14	0	0	0	0	2.7
15	0	0	0	0	2.9
16	0	0	0	0	3.4
17	0	0	0	0	3
18	0	0	0	1.7	2.8
19	0	0	0	2.8	2.8
20	0	0	0	2.8	2.8
21	0	0	0	3	2.8
22	0	0	0	3.4	2.7
23	0	0	0	3.8	2.6
24	0	0	0	1.3	2.6
25	0	0	0	0	1.8
26	0	0	0	0	0
27	0	0	0	0	0
28	0	0	2.3	1.9	0
29	0	0	2.5	3.3	0
30	0	0	2.4	3.8	0
31	0	---	2.6	4	---
Total	0	0	9.8	44.6	67.6
Mean	0	0	0	1	2
Max.	0	0	2.6	4.9	4.4
Min.	0	0	0	0	0
A.F.	0	0	20	90	130
Total 5 Months	---	---	240	A.F.	---

MINATARE CANAL from North Platte River - 1987
 Gage Location: NW1/4SE1/4 Sec. 32-22-54 W.
 near Scottsbluff
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1919 - 1987

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	32	14	46	99	77	46
2	0	27	14	61	100	78	46
3	0	27	12	63	102	78	46
4	0	34	10	65	58	75	43
5	0	23	11	66	36	79	39
6	0	8.9	10	67	31	76	38
7	0	0	14	69	40	69	38
8	0	0	20	70	43	60	38
9	0	0	18	71	42	55	38
10	0	0	21	76	45	50	37
11	0	0	21	78	46	51	36
12	0	0	18	83	40	56	0
13	0	0	15	84	42	51	0
14	0	0	16	84	45	51	0
15	0	0	22	88	52	47	0
16	0	0	21	91	58	48	0
17	0	16	22	92	64	50	0
18	0	28	23	92	67	48	0
19	0	37	21	94	70	46	0
20	0	38	19	98	78	46	0
21	0	38	20	102	80	43	0
22	0	40	19	101	83	43	0
23	4.1	37	17	96	89	44	0
24	26	18	17	96	95	43	0
25	31	5.6	17	103	92	42	0
26	34	0	20	109	86	39	0
27	36	7.9	27	97	82	40	0
28	36	14	32	96	84	44	0
29	40	14	38	94	84	45	0
30	42	12	42	96	84	44	0
31	---	11	---	96	80	---	0
Total	249.1	468.4	591	2624	2099	1618	445
Mean	8	15	20	85	68	54	14
Max.	42	40	42	109	102	79	46
Min.	0	0	10	46	31	39	0
A.F.	490	930	1170	5200	4160	3210	880
Total 7 Months	---	---	16040	A.F.	---	---	---

Appropriations: D-919

CASTLE ROCK-STEAMBOAT CANAL from North Platte River - 1987
 Gage Location: NW1/4SW1/4 Sec. 13-21-54 W.
 near Helbeta
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1916, 1918 - 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	7.8	36	81	89	73	67
2	13	32	83	91	73	67
3	13	30	82	91	73	66
4	13	32	80	45	68	66
5	13	32	81	45	65	65
6	13	31	86	48	54	65
7	12	27	86	53	49	65
8	9.5	38	79	51	48	65
9	8.1	38	78	49	48	66
10	6.3	30	79	56	47	66
11	6.3	41	83	58	58	64
12	6.3	49	79	58	67	56
13	17	50	90	60	69	56
14	28	59	91	62	69	45
15	25	60	90	65	69	7.3
16	29	36	90	65	70	0
17	16	26	89	65	71	0
18	21	51	86	74	71	0
19	13	64	84	85	69	0
20	0	55	84	85	69	0
21	14	60	85	88	68	0
22	13	65	85	87	69	0
23	14	68	85	86	69	0
24	0	68	80	82	68	0
25	0	64	82	79	67	0
26	6.5	71	82	76	66	0
27	29	75	83	73	66	0
28	24	71	86	72	66	0
29	20	77	85	72	67	0
30	24	79	84	72	67	0
31	25	---	85	73	---	0
Total	439.8	1515	2603	2155	1953	886.3
Mean	14	51	84	70	65	29
Max.	29	79	91	91	73	67
Min.	0	26	78	45	47	0
A.F.	870	3080	5160	4270	3870	1760
Total 6 Months	---	---	18930	A.F.	---	---

Appropriations: D-921, A-186R, A-350R

NORTH PLATTE RIVER BASIN

SHORT LINE CANAL from North Platte River - 1987
 Gage Location: NW1/4SE1/4 Sec. 25-21-53 W.
 near McGraw
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1916, 1920 - 1987

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	15	7.3	46	32	28	8.4
2	0	20	7.1	41	32	28	1.4
3	0	19	6.9	51	35	27	1.7
4	0	19	4.9	40	43	23	2
5	0	17	2.5	42	10	25	2
6	0	16	2.8	44	0	26	1.4
7	0	21	2	38	0	26	1.2
8	0	22	16	34	0	27	0
9	0	32	28	29	0	23	0
10	0	34	27	26	0	21	0
11	0	22	28	27	0	20	0
12	0	19	28	26	0	21	0
13	0	18	27	26	0	21	0
14	0	18	29	26	0	19	0
15	0	22	33	26	0	19	0
16	0	20	30	26	0	18	0
17	0	19	28	24	0	18	0
18	0	18	28	27	0	17	0
19	0	18	31	27	0	17	0
20	0	17	36	27	0	20	0
21	0	19	36	26	0	19	0
22	0	20	41	25	0	17	0
23	0	16	40	31	0	14	0
24	0	11	42	32	0	13	0
25	12	0	47	30	0	13	0
26	20	0	42	30	0	13	0
27	20	0	39	30	0	12	0
28	19	0	39	28	16	14	0
29	17	6.3	39	28	21	14	0
30	17	13	41	29	22	15	0
31	---	7.3	---	30	27	---	0
Total	105	498.6	810.5	972	238	588	18.1
Mean	4	16	27	31	8	20	1
Max.	20	34	47	51	43	28	8.4
Min.	0	0	2	24	0	12	0
A.F.	210	990	1610	1930	470	1170	40
Total 7 Months	---	---	6420	A.F.	---	---	---

Appropriations: D-946

CHIMNEY ROCK CANAL from North Platte River - 1987
 Gage Location: SE1/4NE1/4 Sec. 1-20-53 W.
 near Bayard
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1916 - 1987

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	6.3	9.5	48	81	44	19
2	0	8.5	12	45	81	52	20
3	0	8.5	15	41	81	56	19
4	0	4.9	11	35	19	52	16
5	0	7.1	11	58	11	45	35
6	0	10	11	62	12	41	30
7	0	9.5	11	62	28	38	11
8	0	4.1	12	66	36	40	11
9	0	7.6	12	70	29	39	8.9
10	0	12	11	75	13	38	9.1
11	0	14	13	77	1.6	37	9.4
12	0	14	17	76	0	37	9.3
13	0	15	17	81	0	44	10
14	0	19	15	88	24	48	11
15	0	16	15	91	41	46	10
16	0	17	19	84	41	41	5.7
17	0	17	22	82	42	41	0
18	0	16	25	80	43	39	0
19	0	14	24	79	44	38	0
20	0	15	22	81	41	40	0
21	0	15	17	76	41	40	0
22	0	16	30	74	49	41	0
23	0	17	30	78	55	44	0
24	0	8.8	30	77	57	39	0
25	0	0	30	80	68	24	0
26	0	10	31	85	44	17	0
27	0	15	31	84	44	16	0
28	5.6	16	30	81	44	16	0
29	10	14	30	79	43	20	0
30	9.1	14	40	71	43	20	0
31	---	12	---	81	43	---	0
Total	24.7	373.3	601.5	2247	1177.6	1133	234.4
Mean	1	12	20	72	38	38	8
Max.	10	19	40	91	81	56	35
Min.	0	0	9.5	35	0	16	0
A.F.	50	740	1190	4460	2340	2250	460
Total 7 Months	---	---	11490	A.F.	---	---	---

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

CLEVELAND DRAIN near Bayard - 1987
 Gage Location: SW1/4SW1/4 Sec. 6-20-52 W.
 Measuring Device: Stage observation
 Period of Record: 1938 - 1987

Date	May	June	July	Aug.	Sept.
1	2.1	8.1	9.8	7.6	15
2	2.1	8.6	10	14	14
3	8	4.2	13	20	14
4	18	6.2	13	15	14
5	14	5.8	12	10	15
6	8.1	5.8	12	9.8	16
7	4.2	6.3	14	11	15
8	4.1	6.8	16	12	14
9	4.1	5.7	16	10	12
10	3.2	4.2	14	8.9	14
11	2.4	7.4	14	12	14
12	2.4	7.8	19	8.7	13
13	1.8	15	23	8.7	12
14	1.5	16	18	8.9	12
15	6.2	17	18	8.4	12
16	4.6	10	12	9	14
17	3.8	9.4	18	9.6	12
18	3	14	30	5.7	12
19	3.8	17	22	6	12
20	1.7	13	13	5.8	12
21	3.5	13	10	6.3	13
22	4.4	12	4.2	8.2	11
23	7.2	16	5.5	12	13
24	10	16	8.6	16	12
25	9.6	17	6.6	16	14
26	9.3	16	5.5	12	27
27	3.8	12	4.4	13	28
28	6.6	14	4.4	13	30
29	4.9	15	8.6	13	28
30	3	12	5	14	27
31	5.6	---	2.8	16	---
Total	167	331.5	382.4	340.6	469
Mean	5.4	11.1	12.3	11	15.6
Max.	18	17	30	20	30
Min.	1.5	4.2	2.8	5.7	11
A.F.	350	660	760	680	930
Total 5 Months	---	---	3360	A.F.	---

NORTH PLATTE RIVER BASIN

BAYARD SUGAR FACTORY DRAIN near Bayard - 1987
 Gage Location: SE1/4NE1/4 Sec. 5-20-52 W.
 Measuring Device: Stage recorder
 Period of Record: 1931 - 1987

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1987, 322 Cubic Feet per Second at 1300 hours on Aug. 4, 1987 at a gage height of 3.88 Feet.
 Minimum daily discharge, 4.5 Cubic Feet per Second, April 20-22 & May 2, 1987.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21	18	17	21	6.6	32	37	49	31	16	21	21
2	21	19	19	21	4.5	25	37	48	31	14	23	20
3	21	19	19	21	10	16	44	52	30	13	23	22
4	21	18	18	21	21	16	41	276	34	12	22	21
5	21	18	17	21	12	16	76	240	39	12	22	21
6	21	18	20	21	15	15	69	124	37	15	22	21
7	21	18	23	21	19	16	52	77	32	22	25	21
8	21	18	23	21	18	25	60	61	35	22	25	20
9	21	18	19	21	22	28	57	23	31	22	21	20
10	20	18	20	20	25	26	55	18	31	25	22	20
11	21	18	20	20	27	29	48	15	30	25	30	21
12	20	18	23	24	23	26	51	11	32	25	41	22
13	20	18	26	22	20	19	54	10	31	25	41	21
14	20	18	25	20	18	20	50	7.2	26	25	40	22
15	20	19	23	16	11	24	47	9.7	26	29	41	21
16	20	19	24	13	9.7	26	47	20	28	29	39	20
17	20	19	24	13	12	25	47	18	30	29	33	20
18	20	19	26	13	17	25	49	14	29	29	24	20
19	20	19	29	6.4	25	27	50	16	25	29	24	20
20	20	19	27	4.5	30	25	47	15	26	28	24	20
21	19	19	24	4.5	24	27	46	16	24	28	24	20
22	19	19	25	4.5	23	27	39	19	26	28	23	20
23	19	18	24	5	41	26	44	24	25	27	23	20
24	19	18	24	6.1	240	28	46	28	24	27	22	20
25	19	18	23	6.6	268	28	47	30	18	27	22	20
26	19	18	24	5.3	150	34	51	30	18	27	22	20
27	19	17	22	5	76	35	50	30	19	26	22	20
28	19	17	21	7.2	49	33	49	29	22	25	22	20
29	18	---	20	5.6	36	30	53	31	20	24	21	20
30	18	---	21	5.8	32	35	52	28	17	20	21	20
31	19	---	21	---	28	---	51	34	---	21	---	20
Total	617	512	691	418.5	1312.8	762	1546	1402.9	827	726	781	634
Mean	20	18	22	14	42	25	50	45	28	23	26	20
Max.	21	19	29	24	268	35	76	276	39	29	41	22
Min.	18	17	17	4.5	4.5	15	37	7.2	17	12	21	20
A.F.	1220	1020	1370	850	2600	1510	3070	2760	1640	1440	1550	1260
Total 12 Months	----	20290	A.F.									

ALLIANCE CANAL from Bayard Sugar Factory Drain - 1987
 Gage Location: SW1/4SW1/4 Sec. 4-20-52 W.
 Measuring Device: Stage recorder and metal flume
 Period of Record: 1924 - 1926, 1928 - 1987

Date	April	May	June	July	Aug.	Sept.	Oct.
1	0	23	31	28	10	4	6.4
2	0	21	28	28	8.8	3.5	5.9
3	0	24	25	30	11	4.4	5.8
4	0	29	24	28	27	5.9	4.0
5	0	24	24	0	26	7.2	5.7
6	0	26	22	12	0.9	7.4	2.7
7	0	28	23	26	0	10	0
8	0	28	29	30	0	9.6	0
9	0	30	29	30	1.6	18	0
10	0	31	26	29	4.2	18	0
11	0	32	24	28	3.7	17	0
12	0	30	22	30	6.6	17	0
13	0	29	22	30	5.4	17	0
14	0	29	25	28	7.5	15	0
15	3.8	24	27	25	9.2	15	0
16	7.5	24	28	25	8.3	17	0
17	7.9	24	28	25	5.4	18	0
18	8.1	26	29	25	4.3	18	0
19	12	30	29	25	6.6	16	0
20	18	32	28	24	11	16	0
21	18	29	28	24	14	16	0
22	18	28	28	21	10	17	0
23	20	25	28	23	5.7	16	0
24	23	31	28	25	5.7	15	0
25	24	31	28	27	4.1	8	0
26	21	7.1	30	28	3.7	5.9	0
27	20	2.9	30	27	3.1	8.4	0
28	24	5.5	29	22	2.9	11	0
29	23	18	28	17	3.6	9.2	0
30	22	28	28	16	9.4	6.2	0
31	----	28	----	15	5.1	----	0
Total	270.3	777.5	808	751	224.8	366.7	31.3
Mean	9	25	27	24	7	12	1
Max.	24	32	31	30	27	18	6.4
Min.	0	2.9	22	0	0	3.5	0
A.F.	540	1540	1600	1490	450	730	60
Total 7 Months	----	6410	A.F.				

Appropriations: D-874, 1035(A-1429 O.D.), A-1436

NORTH PLATTE RIVER BASIN

RED WILLOW CREEK near Bayard - 1987
 Gage Location: NE1/4NE1/4 Sec. 13-20-52 W.
 Measuring Device: Stage recorder
 Period of Record: 1931 - 1987

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1987, 1410 cubic feet per second on August 4, 1987 at a gage height of 6.79 feet.
 Minimum daily discharge, 51 cubic feet per second on May 1, 1987.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	75	70	59	62	51	150	150	92	189	151	101	73
2	75	70	58	61	59	133	137	99	179	130	100	72
3	75	69	59	62	59	128	153	126	176	130	100	72
4	75	69	59	63	71	134	133	536	195	130	98	72
5	75	69	60	63	66	136	158	212	232	130	96	71
6	76	68	64	64	66	122	152	190	281	130	96	71
7	76	68	64	64	64	117	154	171	278	140	97	71
8	75	68	67	64	61	103	206	153	267	140	95	71
9	73	67	64	64	184	152	194	149	259	140	95	71
10	73	67	63	64	221	167	151	143	264	140	94	70
11	72	68	64	66	222	163	130	138	267	138	90	70
12	72	67	64	72	257	163	132	136	259	136	82	69
13	72	67	65	70	233	136	146	167	245	132	80	69
14	72	66	65	67	233	120	143	132	256	130	80	69
15	71	65	64	67	224	117	134	96	260	128	80	68
16	71	65	65	70	227	102	111	106	242	124	80	68
17	70	65	65	70	240	92	108	199	240	122	78	68
18	70	64	64	71	200	77	112	184	239	120	78	68
19	68	64	66	70	171	80	116	148	237	116	77	68
20	68	64	66	68	231	142	114	130	231	114	77	68
21	65	64	66	64	243	143	108	132	243	112	77	68
22	66	63	68	62	245	139	102	130	240	110	77	68
23	67	63	66	61	340	132	110	157	230	109	76	68
24	67	62	65	64	477	188	113	202	225	107	76	67
25	67	62	65	63	252	195	102	234	234	106	76	67
26	69	63	66	63	158	192	103	194	231	104	76	67
27	68	62	65	54	161	181	108	184	209	103	76	68
28	68	60	64	52	231	149	104	208	171	103	76	67
29	68	---	63	52	182	127	94	190	160	102	74	67
30	70	---	62	52	173	137	84	185	150	102	74	67
31	70	---	62	---	147	---	90	192	---	101	---	66
Total	2199	1839	1979	1909	5749	4117	3952	5315	6889	3760	2532	2139
Mean	71	66	64	64	185	137	127	171	230	121	84	69
Max.	76	70	68	72	477	195	206	536	281	140	101	73
Min.	65	60	58	52	51	77	84	92	150	101	74	66
A.F.	4360	3650	3930	3790	11400	8170	7840	10540	13660	7460	5020	4240
Total 12 Months	---	---	84060	A.F.	---	---	---	---	---	---	---	---

ALLIANCE CANAL from Red Willow Creek - 1987
 Gage Location: NW1/4SW1/4 Sec. 5-20-51 W.
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1918 - 1926, 1928 - 1987

Date	April	May	June	July	Aug.	Sept.	Oct.
1	0	15	27	44	54	39	17
2	0	12	28	48	57	38	14
3	0	11	30	47	50	41	13
4	0	9.9	28	48	0	34	13
5	0	8.6	26	49	0	40	13
6	0	6	28	48	9.2	45	13
7	0	6.5	21	37	28	28	6
8	0	8.8	25	0	0	26	0
9	0	2.6	52	22	7.6	30	0
10	0	4.4	31	51	38	29	0
11	0	15	36	57	56	26	0
12	0	18	30	61	48	21	0
13	0	19	32	67	50	23	0
14	0	20	37	60	46	28	0
15	0	22	38	61	48	29	0
16	0	24	39	58	51	32	0
17	0	28	38	62	49	34	0
18	0	21	39	60	51	34	0
19	0	29	39	62	53	38	0
20	0	25	38	66	41	32	0
21	0	25	34	61	48	29	0
22	0	27	34	53	51	29	0
23	0	23	29	61	48	30	0
24	0	0	28	57	49	35	0
25	0	0	37	63	48	27	0
26	0	0	38	63	33	32	0
27	12	0	31	59	44	26	0
28	15	0	32	59	44	26	0
29	15	9.8	43	56	38	26	0
30	15	24	47	54	37	16	0
31	---	16	---	54	40	---	0
Total	57	430.6	995	1648	1216.8	915	89
Mean	2	14	33	53	39	31	3
Max.	15	29	47	67	57	45	17
Min.	0	0	21	0	0	16	0
A.F.	110	850	1970	3270	2410	1810	180
Total 7 Months	---	---	10600	A.F.	---	---	---

Appropriations: D-874, 1035(A-1429 O.D.), A-1436

BELMONT CANAL from North Platte River - 1987
 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, 1961 - 1987)

Date	May	June	July	Aug.	Sept.	Oct.
1	11	70	117	132	109	38
2	53	90	116	133	101	0
3	43	88	120	140	96	0
4	45	86	123	134	96	0
5	40	84	120	121	99	0
6	37	82	121	123	100	0
7	33	79	120	123	102	0
8	27	79	123	120	104	0
9	26	97	122	114	105	0
10	25	88	122	114	106	0
11	53	84	129	114	103	0
12	108	88	132	112	93	0
13	93	93	132	112	91	0
14	87	87	132	111	92	0
15	85	81	132	115	93	0
16	84	60	130	112	94	0
17	84	77	129	118	94	0
18	81	119	130	126	95	0
19	81	124	129	127	95	0
20	86	127	128	125	94	0
21	92	123	127	120	94	0
22	94	116	126	121	94	0
23	98	119	128	122	92	0
24	81	137	129	126	89	0
25	57	122	130	131	83	0
26	64	114	132	134	77	0
27	80	118	133	122	76	0
28	68	117	134	119	75	0
29	65	117	133	117	77	0
30	65	117	134	118	86	0
31	63	---	135	116	---	0
Total	2089	2983	3948	3772	2805	38
Mean	65	99	127	122	94	1
Max.	108	137	135	140	109	38
Min.	11	60	116	111	75	0
A.F.	3980	5920	7830	7480	5560	80
Total 6 Months	---	---	30850	A.F.	---	---

Appropriations: D-828

NORTH PLATTE RIVER BASIN

EMPIRE CANAL from North Platte River - 1987
 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, 1950-1961 (Published as
 Belmont-Empire Canal), 1961-1987

Date	May	June	July	Aug.	Sept.
1	0	12	24	28	11
2	0.5	13	24	28	11
3	0	14	25	29	10
4	0	14	25	28	10
5	0	15	25	27	9.3
6	0	15	26	27	9.1
7	0	15	25	27	8.7
8	0	15	26	25	8.7
9	0	16	26	25	8.1
10	0	16	26	25	7.7
11	0.5	15	26	25	8.7
12	2.2	15	27	25	19
13	12	16	27	24	21
14	18	16	28	24	22
15	17	16	28	25	22
16	17	12	27	24	15
17	17	13	26	25	11
18	16	17	26	26	11
19	16	18	26	27	11
20	17	16	26	27	11
21	17	15	26	27	11
22	17	15	26	27	11
23	17	18	26	27	11
24	15	20	26	27	9.7
25	13	18	26	23	9.3
26	12	22	26	13	8.9
27	13	24	27	12	8.5
28	12	24	27	12	8.3
29	12	24	27	12	8.3
30	13	25	28	12	2.6
31	13	---	28	12	---
Total	287.2	504	812	725	333.9
Mean	9	17	26	23	11
Max.	18	25	28	29	22
Min.	0	12	24	12	2.6
A.F.	570	1000	1610	1440	660
Total 5 Months	---	---	5280	A.F.	---

Appropriations: D-857, A-866

UPPER DUGOUT CREEK near Bridgeport - 1987
 Gage Location: SE1/4SE1/4 Sec. 20-20-50 W.
 Measuring Device: Stage observation
 Period of Record: 1931 - 1987

Date	May	June	July	Aug.	Sept.
1	1.4	65	26	31	61
2	2.5	67	30	44	64
3	2.9	64	28	8.2	63
4	24	65	34	800	35
5	4.2	66	38	300	48
6	3.3	62	42	50	61
7	4.2	59	28	30	73
8	3.7	51	35	15	85
9	3.6	66	33	10	95
10	3.5	66	34	4.9	77
11	3.5	60	34	5.2	84
12	3.3	54	34	5.2	89
13	3.3	52	54	5.2	94
14	3.1	49	55	67	50
15	3.1	45	61	70	51
16	3	44	36	74	48
17	2.9	26	12	30	57
18	3.3	62	16	34	45
19	3.7	50	20	24	48
20	62	48	17	18	50
21	71	37	22	20	54
22	76	26	23	42	57
23	78	39	21	63	57
24	74	64	20	80	66
25	70	65	13	91	68
26	73	55	6.3	52	67
27	71	44	20	35	66
28	54	33	18	50	57
29	65	41	18	50	75
30	73	36	19	51	70
31	69	---	18	65	---
Total	918.5	1569	865.3	2224.7	1915
Mean	30	52	28	72	64
Max.	78	67	61	800	95
Min.	1.4	26	6.3	4.9	35
A.F.	1820	3110	1720	4610	3800
Total 5 Months	---	---	14860	A.F.	---

INDIAN CREEK near Northport - 1987
 Gage Location: NE1/4SE1/4 Sec. 19-20-50 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1987

Date	May	June	July	Aug.	Sept.
1	4.5	10	30	32	45
2	12	9.8	33	46	35
3	19	30	31	46	42
4	39	34	34	300	48
5	12	42	42	43	48
6	5	30	51	14	57
7	4.2	19	38	13	48
8	4.2	19	51	12	39
9	4	18	29	10	42
10	3.7	17	61	29	46
11	4.2	32	48	19	48
12	4.2	30	34	28	44
13	4.2	30	44	14	48
14	18	30	45	20	38
15	11	38	48	24	36
16	12	35	32	27	43
17	13	38	32	34	40
18	18	42	40	30	45
19	19	28	48	41	40
20	12	45	47	45	34
21	14	36	34	35	37
22	16	28	42	46	40
23	16	37	24	57	52
24	14	30	38	67	42
25	12	24	38	80	45
26	13	23	37	55	38
27	16	24	45	38	31
28	4.5	24	42	40	38
29	5.6	24	31	42	42
30	17	39	13	45	36
31	14	---	18	42	---
Total	365.3	865.8	1180	1374	1253
Mean	12	29	38	44	42
Max.	39	45	61	300	57
Min.	3.7	9.8	13	10	31
A.F.	720	1720	2340	2730	2490
Total 5 Months	---	---	10000	A.F.	---

BROWNS CREEK CANAL from North Platte River - 1987
 Gage Location: NW1/4SW1/4 Sec. 28-20-50 W.
 near Bridgeport
 Measuring Device: Stage recorder and 8 ft. Parshall flume
 Period of Record: 1916 - 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	0	3.4	94	107	20	1.2
2	0	6.3	93	105	19	1.1
3	0	6.2	89	103	18	1.1
4	0	15	83	61	18	1.2
5	0	19	81	37	14	1.3
6	0	16	78	52	9.1	1.4
7	0	15	82	46	8	1.5
8	0	12	82	37	5.5	1.3
9	0	9.5	75	25	4.4	1.2
10	0	7.5	69	28	4.3	1.4
11	0	11	64	29	3.4	1.4
12	0	15	63	43	3.2	1.3
13	0	16	65	56	2.7	1.3
14	0	17	65	49	5.3	0.56
15	12	19	75	47	6.8	0
16	17	21	84	48	7	0
17	21	29	81	48	3.6	0
18	24	39	83	44	1.1	0
19	34	41	84	45	3.1	0
20	34	57	82	49	3.7	0
21	34	59	77	59	2.9	0
22	31	59	80	62	6.9	0
23	28	71	86	53	11	0
24	8.9	77	87	44	12	0
25	14	69	93	38	12	0
26	14	75	103	34	13	0
27	16	82	109	33	8.3	0
28	14	83	107	29	2.8	0
29	9.7	82	106	26	2.6	0
30	6.6	83	101	26	1.9	0
31	3.1	---	102	25	---	0
Total	321.3	1114.9	2623	1468	233.6	17.26
Mean	10	37	85	48	8	1
Max.	34	83	109	107	20	1.5
Min.	0	3.4	63	25	1.1	0
A.F.	640	2210	5200	2950	460	30
Total 6 Months	---	---	11490	A.F.	---	---

Appropriations: D-857, D-1033

COURTHOUSE ROCK CANAL from Pumpkin Creek - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	9.2	7.1	4.5
2	0	0	9.4	7.1	4.5
3	0	0	10	6.4	4.6
4	0	0	10	5.5	3.6
5	0	0	10	5	2.7
6	0	0	9.9	8.6	2.6
7	0	0	9.9	8.7	2.5
8	0	0	9.9	8.2	2.5
9	0	0	9.8	8	2.5
10	0	0	9.7	6.1	2.8
11	0	0	9.7	3	3.3
12	0	0	9.7	2.5	3.1
13	0	0	9.7	2.4	3
14	0	0	9.6	1.8	1.5
15	0	0	9.4	2.8	0
16	0	3.2	9.5	6.3	1.4
17	0	4.7	9.4	6	3.8
18	0	5.2	9.4	6.1	3.8
19	0	5.5	9.4	6	3.8
20	0	4.8	9.4	5.9	3.7
21	0	5	9.4	5.9	3.6
22	0	9.2	9.6	5.9	3.6
23	0	9.2	8.6	6	3.4
24	0	8.6	7.7	6.2	3.4
25	0	8.3	7.7	5.2	3.4
26	0	8.8	7.8	4.6	3.3
27	0	9.1	7.8	4.6	3.3
28	0	9.1	7.6	4.5	3.2
29	0	9.1	7.5	4.5	2
30	0	9.1	7.4	4.6	0
31	0	---	7.1	4.5	---
Total	0	108.9	281.2	170	89.4
Mean	0	3.6	9.1	5.5	3
Max.	0	9.2	10	8.7	4.6
Min.	0	0	7.1	1.8	0
A.F.	0	220	560	340	180
Total 5 Months	---	---	1300	A.F.	---

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

LAST CHANCE CANAL from Pumpkin Creek - 1987
 Gage Location: SE1/4NW1/4 Sec. 27-19-50 W.
 near Bridgeport
 Measuring Device: Stage recorder
 Period of Record: 1921, 1922, 1931 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	3	1.1	0
2	0	0	3	1.3	0
3	0	0	3.4	1.5	0
4	0	0	3	2	0
5	0	0	2.9	2.5	0
6	0	0	3	1.6	0
7	0	0	3.4	1.8	0
8	0	0	3.4	2.2	0
9	0	0	3.5	2.4	0
10	0	0	3.4	2.6	0
11	0	0	3.3	2.8	0
12	0	0	3.3	2.8	0
13	0	0	3.4	2.6	0
14	0	0	3.4	2.6	0
15	0	0	3.3	2.4	0
16	0	0	3.2	1.6	0
17	0	0	3.3	1.6	0
18	0	0	3.2	1.6	0
19	0	0	3.2	1.7	0
20	0	0	3.1	1.9	0
21	0	0	3.2	1.8	0
22	0	0.6	2.9	1.8	0
23	0	1.1	2.8	1.7	0
24	0.5	3.3	3.2	1.6	0
25	0	3.8	3	1.6	0
26	0	3.5	2.9	1.7	0
27	0	3	2.9	1.8	0
28	0	2.9	2.8	1.8	0
29	0	3	2.4	1.8	0
30	0	3.1	1.6	1.8	0
31	0	---	1	0.7	---
Total	0.5	24.3	93.4	58.7	0
Mean	0	0.8	3	1.9	0
Max.	0.5	3.8	3.5	2.8	0
Min.	0	0	1	0.7	0
A.F.	1	48	185	116	0
Total 5 Months	---	---	350	A.F.	---

Appropriations: D-883

BELMONT SPILL into Pumpkin Creek - 1987
 Gage Location: SW1/4NE1/4 Sec. 23-19-50 W.
 near Bridgeport
 Measuring Device: Stage observation and 12 ft. weir
 Period of Record: 1965 - 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	0	10	1	0	21	10
2	8	10	1	0	21	0
3	30	10	1	0	21	0
4	39	18	0	6	21	0
5	38	25	0	8.6	22	0
6	37	25	0	8.1	22	0
7	35	25	0	7.6	22	0
8	34	25	0	25	22	0
9	33	25	0	25	22	0
10	32	25	0	10	22	0
11	31	25	0	1	22	0
12	29	21	0	1	22	0
13	28	2	0	1	23	0
14	27	2	0	1	23	0
15	25	2	0	1	23	0
16	24	2	0	1	23	0
17	23	2	0	1	23	0
18	21	2	0	1	23	0
19	20	2	0	1.1	23	0
20	19	2	0	2.5	23	0
21	18	2	0	3.9	23	0
22	16	2	0	5.3	23	0
23	15	2	0	6.7	23	0
24	14	2	0	8.1	23	0
25	12	2	0	21	15	0
26	11	2	0	21	13	0
27	10	2	0	21	13	0
28	10	1	0	21	13	0
29	10	1	0	21	13	0
30	10	1	0	21	13	0
31	10	---	0	21	---	0
Total	669	277	3	272.9	616	10
Mean	22	9	0	9	21	0
Max.	39	25	1	25	23	10
Min.	0	1	0	0	13	0
A.F.	1330	550	10	540	1220	20
Total 6 Months	---	---	3670	A.F.	---	---

MEREDITH-AMMER CANAL from Pumpkin Creek - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	6	3.7	0
2	0	0	6.1	3.6	0
3	0	0	6.1	3.4	0
4	0	0	6.1	6.1	0
5	0	0	6	6	0
6	0	0	6	5.6	0
7	0	0	6	5.2	0
8	0	0	6	5.7	0
9	0	0	5.9	5.7	0
10	0	0	5.7	5.5	0
11	0	0	5.6	5.5	0
12	0	0	5.5	5.5	0
13	0	0	5.6	5.5	0
14	0	4.4	5.6	5.5	0
15	0	6.5	5.2	5.7	0
16	0	8.8	4.8	5.7	0
17	0	8.8	5	5.7	0
18	0	8.8	5.1	5.7	0
19	0	9.1	5.1	5.6	0
20	0	7.9	5	5.6	0
21	0	6.1	5	5.6	0
22	0	7.5	4.8	5.5	0
23	0	7.6	4.3	5.4	0
24	0	7.6	4.3	6	0
25	0	7.6	4.4	6.4	0
26	0	7.3	4	6.2	0
27	0	6.9	3.6	2.3	0
28	0	6.1	3	0	0
29	0	5.9	2.8	0	0
30	0	5.9	3.4	0	0
31	0	---	3.6	0	---
Total	0	122.8	155.6	143.9	0
Mean	0	4.1	5	4.6	0
Max.	0	9.1	6.1	6.4	0
Min.	0	0	2.8	0	0
A.F.	0	240	310	290	0
Total 5 Months	---	---	840	A.F.	---

Appropriations: D-876

NORTH PLATTE RIVER BASIN

SILVERNAIL DRAIN near Bridgeport - 1907
 Gage Location: SE1/4SW1/4 Sec. 6-19-49 W.
 Measuring Device: Stage observation
 Period of Record: 1925 - 1949, 1956 - 1987

Date	May	June	July	Aug.	Sept.
1	4.9	26	20	18	24
2	5.1	25	19	15	25
3	5.4	24	20	14	28
4	7.5	19	21	30	29
5	4.5	21	24	8	29
6	7.6	22	27	8.2	29
7	4.9	23	17	6.2	28
8	6.8	20	17	6.4	28
9	5.6	16	23	6.7	25
10	4.4	18	29	6.5	28
11	4.6	14	30	8.5	29
12	4.7	16	32	8.7	28
13	4.4	18	29	9	28
14	4.6	19	18	8.9	30
15	4.7	19	29	9.2	29
16	5	19	18	9.6	26
17	5.2	23	14	20	28
18	5.5	23	19	14	35
19	5.5	15	22	12	32
20	21	17	21	13	30
21	21	23	24	22	29
22	27	26	18	21	26
23	26	27	20	21	24
24	26	23	15	25	23
25	27	18	18	27	21
26	23	19	20	14	21
27	13	19	15	18	22
28	21	19	19	19	20
29	28	18	21	19	21
30	27	14	17	19	7.9
31	26	---	20	22	---
Total	390.9	607	656	466.7	782.9
Mean	13	20	21	15	26
Max.	26	28	32	30	35
Min.	4.4	14	15	8	7.9
A.F.	780	1200	1310	930	1550
Total 5 Months	---	---	5770	A.F.	---

BEERLINE CANAL from North Platte River - 1987
 Gage Location: NW1/4NW1/4 Sec. 24-19-49 W.
 near Broadwater
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1919 - 1922, 1924 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	11	14	4.9
2	0	0	10	14	4.9
3	0	0	10	16	6
4	0	0	8.6	12	5.6
5	0	0	7.8	4	1.5
6	0	0	8.1	4.2	0.92
7	0	0.12	10	3.6	1.1
8	0	0.3	14	3.3	1.2
9	0	0.94	17	2.7	0.92
10	0	1.3	16	1.8	0.92
11	0	1.2	14	1.2	0.86
12	0	0.53	15	0.16	0.69
13	0	11	16	0	0.3
14	0	14	17	5.3	0.23
15	0	12	15	8	0.19
16	0	11	12	8	0
17	0	11	13	9.9	0
18	0	13	14	11	0
19	0	17	13	11	0
20	0	18	13	10	0
21	0	19	13	10	0
22	0	18	13	11	0
23	0	17	12	12	0
24	0	21	13	10	0
25	0	23	13	6.8	0
26	0	22	15	5.6	0
27	0	21	18	3.9	0
28	0	18	17	3.7	0
29	0	18	15	2.4	0
30	0	12	15	3.6	0
31	0	---	15	5.3	---
Total	0	300.39	413.5	214.46	30.23
Mean	0	10	13	7	1
Max.	0	23	18	16	6
Min.	0	0	7.8	0	0
A.F.	0	600	820	430	60
Total 5 Months	---	---	1910	A.F.	---

Appropriations: D-887

BELMONT CANAL from Cedar Creek - 1987
 Gage Location: NE1/4SW1/4 Sec. 23-18-48 W.
 near Broadwater
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1919, 1922 - 1923, 1926 - 1927,
 1929 - 1943, 1948 - 1952,
 1955 - 1964, 1966 - 1987

Date	May	June	July	Aug.	Sept.
1	0	1.6	6.7	4.8	9.2
2	0	0	6.9	5	6.9
3	0	3.6	6.9	5.4	7.4
4	0	9.1	7.2	13	7.5
5	0	9	7.2	10	7.6
6	0	9	6.6	13	7.3
7	0	9	6.1	12	7.1
8	0	7.9	7.1	11	6.6
9	0	7.1	12	11	5.6
10	0	9.1	10	10	5.4
11	0	8.8	9.8	11	5.5
12	0	8.8	11	11	5.5
13	0	8.8	10	11	5.5
14	0	9	9.4	9.5	2.3
15	0	9	7.6	7.9	0
16	0	8.8	5.5	7.9	0
17	0	9	5.3	8.5	0
18	0	9	5.6	8.4	0
19	0	9.1	5.2	8.7	0
20	1	9.3	5.6	9.2	0
21	1.6	9.2	6.4	9.2	0
22	1.6	9	6.2	9.3	0
23	1.6	9	5.8	10	0
24	1.6	8.8	5.4	11	0
25	1.2	9	5.2	10	0
26	1.2	8.8	5	10	0
27	1.1	8.7	5.3	10	0
28	0.9	8.7	5	10	0
29	0.9	8.2	5	10	0
30	0.9	6.8	5	10	0
31	0.9	---	4.9	10	---
Total	14.5	241.2	211.1	298	89.4
Mean	0.5	8	6.8	9.6	3
Max.	1.6	9.5	12	13	9.2
Min.	0	0	4.9	4.8	0
A.F.	30	480	420	590	180
Total 5 Months	---	---	1700	A.F.	---

Appropriations: D-828, A-1397

CEDAR CREEK near Broadwater - 1987
 Gage Location: SE1/4NE1/4 Sec. 11-18-48 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1962, 1965 - 1987

Date	May	June	July	Aug.	Sept.
1	8.1	38	0.7	0.5	22
2	10	38	0.9	0.5	24
3	13	60	1.2	0.5	16
4	22	24	1.1	42	14
5	11	16	1.1	4.9	20
6	11	16	1.2	6.1	27
7	10	16	1.4	5.3	29
8	10	15	1.9	5.2	31
9	10	11	9.1	5.1	32
10	11	32	4.2	9.1	33
11	10	28	6.9	17	36
12	10	17	6.3	14	37
13	58	17	8	22	38
14	44	33	9.5	17	27
15	38	27	7.5	14	28
16	34	28	5.6	10	34
17	29	12	4.4	9.3	27
18	36	11	5.5	7.5	27
19	28	18	6.9	12	26
20	31	17	5.6	13	26
21	37	17	4.4	16	27
22	41	17	5.8	17	31
23	46	5.6	4.8	18	34
24	54	5.8	3.9	22	35
25	61	9.5	2.9	18	38
26	44	5.8	1.9	18	32
27	35	2.3	1	24	26
28	60	1.2	0	21	27
29	53	1.2	0	22	28
30	45	0.7	0	23	30
31	42	---	0.5	23	---
Total	952.1	540.1	114.2	437	862
Mean	30.7	18	3.7	14.1	28.7
Max.	61	60	9.5	42	38
Min.	8.1	0.7	0	0.5	14
A.F.	1890	1070	230	870	1710
Total 5 Months	---	---	5770	A.F.	---

NORTH PLATTE RIVER BASIN

LISCO CANAL from North Platte River - 1987
 Gage Location: NE1/4NW1/4 Sec. 24-18-47 W.
 near Lisco
 Measuring Device: Stage recorder and weir
 Period of Record: 1918 - 1927, 1929 - 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	0	44	51	46	58	33
2	0	41	53	45	48	28
3	0	38	54	44	40	26
4	0	38	48	45	43	22
5	0	44	45	37	42	21
6	0	46	44	20	38	20
7	22	44	40	34	41	20
8	31	41	42	44	42	21
9	24	56	56	32	42	20
10	24	55	48	32	39	20
11	31	13	43	51	40	20
12	30	17	46	42	39	23
13	29	38	46	45	35	23
14	29	45	42	49	35	23
15	29	52	41	42	37	21
16	29	48	32	37	38	21
17	28	34	26	33	38	20
18	28	30	30	34	37	19
19	28	27	27	35	35	19
20	33	27	27	37	35	19
21	38	27	52	42	35	19
22	42	30	48	48	37	18
23	44	30	45	49	38	17
24	51	30	53	63	41	5
25	23	52	51	56	43	0
26	28	58	54	60	38	0
27	11	61	58	59	35	0
28	15	60	53	61	34	0
29	38	58	51	60	32	0
30	43	56	48	58	34	0
31	48	---	41	58	---	0
Total	776	1240	1395	1400	1169	498
Mean	25	41	45	45	39	16
Max.	51	61	58	63	58	33
Min.	8	13	26	20	32	0
A.F.	1548	2460	2770	2780	2320	990
Total 6 Months	---	---	12860	A.F.	---	---

Appropriations: D-787R, D-856, A-243R, A-991,
 A-4658, A-5572

LISCO CANAL from Cold Water Creek - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	0	1.5	1.6
2	0	0	0	1.5	1.6
3	0	0	0	1.5	1.6
4	0	0	0	1.5	1.6
5	0	0	0	1.5	1.6
6	0	0	0	1.5	1.6
7	0	0	0	1.5	1.6
8	0	0	0	1.5	1.6
9	0	0	0	1.5	1.6
10	0	0	0	1.5	1.7
11	0	0	0	1.5	1.7
12	0	0	0	1.5	1.7
13	0	0	0	1.6	1.7
14	0	0	0	1.6	1.7
15	0	0	0.1	1.6	1.7
16	0	0	0.2	1.6	1.7
17	0	0	0.3	1.6	1.8
18	0	0	0.4	1.6	1.8
19	0	0	0.5	1.6	1.8
20	0	0	0.6	1.6	1.8
21	0	0	0.7	1.6	1.8
22	0	0	0.8	1.6	0.9
23	0	0	0.9	1.6	0
24	0	0	1.1	1.6	0
25	0	0	1.2	1.6	0
26	0	0	1.3	1.6	0
27	0	0	1.4	1.6	0
28	0	0	1.5	1.6	0
29	0	0	1.5	1.6	0
30	0	0	1.5	1.6	0
31	0	---	1.5	1.6	---
Total	0	0	15.5	48.4	36.2
Mean	0	0	0.5	1.6	1.2
Max.	0	0	1.5	1.6	1.8
Min.	0	0	0	1.5	0
A.F.	0	0	31	96	72
Total 5 Months	---	---	199	A.F.	---

Appropriations: D-796

COLD WATER CREEK near Lisco - 1987
 Gage Location: NE1/4NE1/4 Sec. 34-18-46 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1942, 1953 - 1957,
 1960 - 1987

Date	May	June	July	Aug.	Sept.
1	4	3.7	3.5	2	1.9
2	4.3	3.9	3.1	1.9	1.8
3	4.8	3.9	3.5	1.9	1.7
4	5.4	3.8	3.3	2.6	1.8
5	4.3	3.5	3.2	2.2	1.7
6	4.1	3.5	3.1	2	1.7
7	3.9	3.5	3.3	1.9	1.6
8	3.9	3.5	3.6	1.9	1.6
9	3.9	3.5	3.2	1.9	1.7
10	3.9	3.7	3	1.8	1.6
11	3.9	3.5	3	1.9	1.6
12	3.7	3.6	3	1.8	1.6
13	3.8	3.4	3.2	1.8	1.6
14	3.8	3.4	3	1.8	1.6
15	3.7	3.4	3	1.9	1.6
16	3.7	3.6	2.9	2	1.7
17	3.7	3.4	3.1	1.8	1.7
18	3.7	3.5	3.1	1.8	1.7
19	3.7	3.3	3.1	1.8	1.7
20	3.7	3.3	2.9	1.9	1.7
21	3.7	3.3	2.9	1.9	1.7
22	3.7	3.3	3.1	1.9	1.8
23	3.7	3.3	3	1.9	2.6
24	3.7	3.4	2.5	2.1	2.9
25	3.7	3.4	2.4	2	3.1
26	3.7	3.6	2.4	1.9	3
27	3.8	3.4	2.1	1.9	3.2
28	3.8	3.2	2.2	2	3.4
29	3.7	3.2	2.1	1.9	3.6
30	3.6	3.2	2	1.9	3.7
31	3.6	---	2	1.9	---
Total	120.6	104	89.8	59.9	62.6
Mean	3.9	3.5	2.9	1.9	2.1
Max.	5.4	3.9	3.6	2.6	3.7
Min.	3.6	3.2	2	1.8	1.6
A.F.	240	210	180	120	120
Total 5 Months	---	---	870	A.F.	---

MIDLAND-OVERLAND CANAL from North Platte River - 1987
 Gage Location: NE1/4SE1/4 Sec. 2-16-44 W.
 near Oshkosh
 Measuring Device: Stage recorder and 4 ft. Parshall flume
 Period of Record: 1924 - 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	1.8	20	8.8	1.6
2	0	0	1.7	20	4.5	1.5
3	0.64	0	1.8	20	3.5	1.5
4	1.1	0	1.6	19	2.8	0.68
5	1.1	0	1.6	19	1	0.38
6	0.69	0	5.7	13	0.79	0.38
7	0	0	4.9	14	0.7	0.28
8	0	0	6.4	8.1	0.74	0
9	0	0	7.5	8.1	0.92	0
10	0	0	7.5	5.8	1	0
11	0	0	5.1	9.3	1.2	0
12	0	0	5.2	9.7	1.3	0
13	0	0	5.3	5	1.1	0
14	0	0	4.8	2.7	2.3	0
15	0	0	9.6	1.5	2.9	0
16	0	0	9.5	0.24	3.3	0
17	0	0	7.5	5.4	3.3	0
18	0	0	6.8	6.1	3.3	0
19	0	0	6.3	7.5	3	0
20	0	0	5.9	7.2	2.7	0
21	0	0.7	12	6.9	2.5	0
22	0	14	15	6.6	2.5	0
23	0	15	24	6.9	2.6	0
24	0	12	24	7.2	2.6	0
25	1.2	22	23	7.9	2.6	0
26	0.88	26	23	3	2.6	0
27	0.39	24	22	0.6	2.5	0
28	0.27	23	21	5.2	2.2	0
29	0	22	21	12	1.8	0
30	0	20	21	12	1.7	0
31	0	---	21	11	---	0
Total	6.27	178.7	410	280.94	72.75	6.32
Mean	0	6	15	9	2	0
Max.	1.2	26	24	20	8.8	1.6
Min.	0	0	4.8	0.24	0.7	0
A.F.	10	350	810	560	140	10
Total 6 Months	---	---	1880	A.F.	---	---

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

NORTH PLATTE RIVER BASIN

PAISLEY CANAL from Blue Creek - 1987
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 - 1987

Table with columns: Date, May, June, July, Aug., Sept., Oct. and rows for days 1-31. Includes summary statistics: Total 0, Mean 0, Max. 0, Min. 0, A.F. 0, Total 6 Months 3000 A.F.

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

BLUE CREEK CANAL from Blue Creek & Crescent Lake - 1987
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 - 1987

Table with columns: Date, May, June, July, Aug., Sept., Oct. and rows for days 1-31. Includes summary statistics: Total 24.8, Mean 1, Max. 11, Min. 0, A.F. 50, Total 6 Months 7890 A.F.

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

HOOVER CANAL from Blue Creek - 1987
Gage Location: NE1/4SW1/4 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 - 1987

Table with columns: Date, May, June, July, Aug., Sept., Oct. and rows for days 1-31. Includes summary statistics: Total 0, Mean 0, Max. 0, Min. 0, A.F. 0, Total 6 Months 2130 A.F.

Appropriations: D-781

UNION CANAL from Blue Creek - 1987
Gage Location: NW1/4SW1/4 Sec. 18-16-42 W. near Lewellen
Measuring Device: Stage recorder and 3 ft. Parshall flume
Period of Record: 1917 - 1919, 1921 - 1927, 1930 - 1987

Table with columns: Date, May, June, July, Aug., Sept., Oct. and rows for days 1-31. Includes summary statistics: Total 0, Mean 0, Max. 0, Min. 0, A.F. 0, Total 6 Months 1930 A.F.

Appropriations: D-763

NORTH PLATTE RIVER BASIN

GRAF CANAL from Blue Creek - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	14	9.4	11	13
2	0	0	12	9.5	10	12
3	0	0	13	9	9.3	13
4	0	0	14	12	8.7	13
5	0	0	14	11	9.5	5.6
6	0	0	14	9.6	9.4	0
7	0	0	14	11	9.6	0
8	0	0	9.7	11	9.2	0
9	0	0	11	12	9.2	0
10	0	0	11	13	9.5	0
11	0	0	9.3	11	9.6	0
12	0	0	9	5.7	7.1	0
13	0	0	12	15	4.7	0
14	0	0	12	9.3	4.8	0
15	0	0	12	18	4.9	0
16	0	0	11	18	4.9	0
17	0	0	9.1	12	5.9	0
18	0	0	5.8	7.7	12	0
19	0	2.6	6.3	6.9	12	0
20	0	6.6	8.6	8.8	12	0
21	0	6.1	15	11	12	0
22	0	5.1	12	11	12	0
23	0	4.4	8.5	13	12	0
24	0	3.6	13	13	12	0
25	0	3.9	14	12	12	0
26	0	4.5	14	11	12	0
27	0	3.6	15	11	12	0
28	0	2.5	14	12	12	0
29	0	5.3	8.6	12	12	0
30	0	13	14	12	12	0
31	0	---	11	12	---	0
Total	0	61.2	361.1	349.9	293.3	56.6
Mean	0	2	12	11	10	2
Max.	0	13	15	18	12	13
Min.	0	0	5.8	5.7	4.7	0
A.F.	0	120	720	690	580	110
Total 6 Months	----	----	2220	A.F.	----	----

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

KINGSLEY RESERVOIR from North Platte River - 1987
 Gage Location: SW1/4 Sec. 3-14-38 W.
 near Ogallala
 Measuring Device: Stage recorder
 Period of Record: 1941 - 1987

STORAGE LEVEL		ELEVATION (Feet)		CONTENT (Acres-feet)								
Top of flood pool		3277.5		2,197,800								
Top of conservation pool		3270.0		1,948,000								
Dead storage		3130.0		Negligible								
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1567400	1573000	1551200	1582600	1594100	1649700	1655600	1528700	1440800	1465200	1459700	1467900
2	1567400	1573000	1551200	1582600	1597000	1649700	1652600	1523100	1438200	1465200	1459700	1467900
3	1567400	1573000	1551200	1582600	1597000	1652600	1646700	1514700	1438200	1465200	1459700	1467900
4	1567400	1575800	1554100	1582600	1597000	1652600	1643800	1509100	1440800	1465200	1459700	1467900
5	1570200	1575800	1554100	1582600	1599900	1652600	1640800	1500800	1438200	1465200	1459700	1470600
6	1570200	1575800	1556900	1582600	1599900	1655600	1637900	1503600	1435500	1465200	1462500	1470600
7	1570200	1575800	1556900	1582600	1599900	1655600	1635000	1503600	1435500	1465200	1462500	1473300
8	1570200	1578600	1559700	1582600	1602800	1658600	1632000	1500800	1438200	1462500	1462500	1473300
9	1570200	1578600	1559700	1582600	1602800	1661500	1629100	1500800	1435500	1462500	1462500	1473300
10	1567400	1578600	1562600	1582600	1602800	1664500	1626100	1498100	1435500	1462500	1462500	1476100
11	1567400	1581400	1562600	1582600	1602800	1667500	1623200	1495300	1435500	1462500	1462500	1476100
12	1564600	1581400	1565400	1585500	1602800	1670500	1623200	1492500	1438200	1462500	1462500	1476100
13	1567400	1581400	1565400	1585500	1605700	1670500	1620300	1489800	1438200	1459700	1462500	1476100
14	1567400	1584200	1568300	1585500	1605700	1673500	1614500	1487000	1440800	1459700	1462500	1476100
15	1567400	1584200	1568300	1585500	1605700	1673500	1611600	1484300	1443500	1462500	1465200	1476100
16	1567400	1584200	1571100	1588400	1605700	1676400	1605700	1481500	1443500	1459700	1465200	1473300
17	1564600	1587000	1574000	1588400	1605700	1676400	1605700	1476100	1446200	1459700	1465200	1473300
18	1564600	1587000	1574000	1588400	1605700	1679400	1599900	1473300	1446200	1459700	1465200	1473300
19	1564600	1587000	1574000	1588400	1605700	1679400	1597000	1467900	1448900	1459700	1465200	1473300
20	1564600	1587000	1576900	1588400	1608600	1679400	1594100	1465200	1451600	1457000	1465200	1473300
21	1564600	1589800	1576900	1588400	1611600	1679400	1588400	1462500	1454300	1457000	1465200	1473300
22	1564600	1589800	1579800	1588400	1611600	1679400	1582600	1457000	1457000	1457000	1465200	1473300
23	1564600	1589800	1582600	1588400	1614500	1676400	1579800	1451600	1459700	1457000	1465200	1473300
24	1564600	1592700	1582600	1588400	1617400	1673500	1576900	1448900	1462500	1457000	1465200	1473300
25	1564600	1592700	1582600	1588400	1620300	1798600	1571100	1443900	1462500	1459700	1465200	1473300
26	1567400	1595600	1585500	1591200	1629100	1670500	1565400	1448900	1465200	1459700	1465200	1470600
27	1567400	1598400	1582600	1591200	1635000	1667500	1556900	1448900	1465200	1459700	1465200	1470600
28	1570200	1598400	1582600	1591200	1640800	1667500	1551200	1446200	1467900	1459700	1465200	1470600
29	1570200	-----	1582600	1591200	1643800	1661500	1548400	1446200	1467900	1459700	1465200	1467900
30	1570200	-----	1582600	1644000	1646700	1658600	1539900	1443500	1467900	1459700	1465200	1470600
31	1573000	-----	1582600	-----	1646700	-----	1534300	1440800	-----	1459700	-----	1470600

Appropriations: A-2374

NORTH PLATTE RIVER BASIN

SUTHERLAND CANAL from North Platte River and Kinsley Reservoir - 1987
 Gage Location: NW1/4NW1/4 Sec. 7-14-37 W.
 near Keystone
 Measuring Device: Stage recorder and concrete control section
 Period of Record: 1936 - 1987

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1530	921	778	1430	1810	506	1780	1520	1520	1520	1340	1060
2	1530	888	777	1410	1810	508	1790	1500	1520	1550	1340	985
3	1520	890	776	1270	1800	507	1780	1500	1520	1550	1340	987
4	1520	890	777	1220	1790	503	1780	1480	1530	1560	1270	985
5	1520	894	769	1220	1750	499	1780	1440	1530	1550	1240	986
6	1370	892	770	1230	1600	500	1800	1460	1530	1550	1250	988
7	1320	892	766	1220	1500	499	1760	1430	1540	1550	1250	987
8	1320	896	778	1220	1340	501	1570	1420	1540	1540	1250	989
9	1320	894	783	1220	1240	503	1510	1420	1540	1550	1250	993
10	1320	894	780	1220	1100	500	1540	1420	1540	1560	1250	987
11	1310	821	777	1220	998	498	1530	1420	1550	1550	1250	989
12	1310	760	814	1220	981	495	1530	1430	1440	1550	1250	982
13	1310	757	884	1280	897	499	1530	1430	1290	1550	1210	987
14	1310	759	886	1400	908	498	1530	1430	1150	1560	1160	997
15	1270	759	889	1400	899	499	1530	1440	1020	1560	1170	995
16	1110	764	891	1400	903	501	1530	1410	898	1560	1170	989
17	1100	764	892	1390	908	503	1530	1420	802	1570	1170	998
18	1100	764	909	1400	903	508	1530	1450	703	1570	1180	993
19	1100	764	988	1400	850	510	1530	1490	602	1520	1180	993
20	1100	769	1050	1410	745	509	1520	1480	507	1460	1180	999
21	1090	767	1060	1400	662	515	1530	1480	498	1430	1180	1010
22	1100	770	1060	1410	559	560	1520	1490	491	1400	1180	1000
23	1100	771	1070	1390	497	713	1530	1500	505	1400	1180	1010
24	1090	769	1070	1390	499	848	1530	1500	666	1400	1180	1010
25	1090	771	1070	1390	496	1010	1530	1500	864	1400	1180	1020
26	1090	772	1170	1400	494	1220	1530	1500	1060	1380	1170	1020
27	1090	776	1340	1440	502	1400	1530	1500	1240	1330	1180	1020
28	1090	780	1430	1560	506	1520	1530	1500	1360	1340	1180	988
29	1090	---	1440	1680	507	1630	1510	1510	1470	1340	1180	880
30	1090	---	1430	1770	507	1740	1500	1510	1520	1340	1150	878
31	1030	---	1420	---	504	---	1510	1530	---	1340	---	888
Total	38240	22808	30294	41010	30377	21202	49130	45490	34946	46030	36460	30593
Mean	1234	815	977	1367	980	707	1585	1467	1165	1485	1215	987
Max.	1530	921	1440	1770	1810	1740	1800	1530	1550	1570	1340	1060
Min.	1030	757	766	1220	494	495	1500	1410	491	1330	1150	878
A.F.	75050	45240	60890	81360	60250	42050	97450	90230	69310	91300	72320	60680
Total 12 Months	--	--	846110	A.F.								

KEITH-LINCOLN COUNTY CANAL from North Platte River - 1987
 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 - 1987

Date	Apr.	May	June	July	Aug.	Sept.
1	0	44	52	91	95	80
2	0	44	52	89	94	79
3	0	41	53	74	93	78
4	0	43	50	12	92	65
5	0	45	67	62	92	55
6	0	44	77	66	90	52
7	0	39	75	1.3	90	53
8	0	37	73	22	89	52
9	0	39	63	68	88	51
10	0	55	37	67	86	50
11	0	54	41	79	85	49
12	0	54	54	54	84	48
13	0	56	55	64	88	48
14	0	59	53	87	90	47
15	0	58	52	88	88	45
16	0	58	51	88	87	30
17	0	49	53	88	88	45
18	0	44	55	89	82	45
19	0	46	75	91	81	44
20	0	15	78	91	80	32
21	36	22	79	93	87	0
22	46	42	76	98	96	0
23	45	30	70	97	92	0
24	46	39	73	95	80	0
25	45	22	75	95	51	0
26	46	0	81	95	9.6	0
27	45	11	89	94	44	0
28	44	69	90	93	78	0
29	43	71	92	89	79	0
30	42	61	92	85	80	0
31	---	52	---	92	80	---
Total	438	1343	1985	2397.3	2538.6	1046
Mean	15	43	66	77	82	35
Max.	46	71	92	98	96	80
Min.	0	0	37	1.3	9.6	0
A.F.	870	2660	3940	4750	5040	2080
Total 6 Months	---	---	19340	A.F.		

Appropriations: D-722

SHERIDAN-WILSON CANAL from Sarben Slough - 1987
 Gage Location: SW1/4NE1/4 Sec. 20-14-35 W.
 near Paxton
 Measuring Device: Stage observation and reported time
 Period of Record: 1937 - 1943, 1945 - 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	0	1.6	2.5	1.6	1.9	2.4
2	0	1.6	2.4	1.6	1.9	2.5
3	0	2	2.4	1.5	1.8	2.5
4	0	2	2.4	1.8	1.8	2.6
5	0	1.6	1.1	1.6	1.7	2.7
6	0	1.3	2	1.6	1.7	2.8
7	0	1	1.6	1.5	1.7	2.9
8	0	0.9	1.6	1.4	1.6	3
9	0	1.2	1.4	1.3	1.6	3.1
10	0	1.1	1.4	0.4	1.8	3.2
11	0	1.4	1.4	0.7	1.8	3.2
12	0	0.7	1.4	0.8	2	3.3
13	0	0.3	1.1	0.7	2.2	3.4
14	0	0.3	1	0.6	2.2	3.5
15	2	0.3	0.9	0.6	2.4	3.6
16	1.8	0.3	1.1	0.7	2.2	3.7
17	2	0.2	1.3	0.7	2.2	3.8
18	1.4	0.8	1.5	0	2	3.9
19	1.3	1	1.5	0	1.8	3.9
20	1.6	1.1	1.3	0	1.8	4
21	1.6	1.1	1.1	0	1.6	4.1
22	1.6	1.1	1.5	0	1.6	4.2
23	1.6	0.9	1.6	0	1.6	4.3
24	1.8	1	1.5	0	1.8	4.4
25	1.9	0.9	1.4	0	1.8	4.5
26	1.6	0.9	1.2	0	2	4.6
27	1.6	0.9	1.2	0	2	4.6
28	1.6	0.9	1.4	0	2.2	4.7
29	1.6	0.9	1.5	0	2.2	4.8
30	1.6	1.2	1.5	0	2.3	4.9
31	1.6	---	1.5	1	---	0
Total	28.2	30.5	46.7	20.1	57.2	109.1
Mean	1	1	2	1	2	4
Max.	2	2	2.5	1.8	2.4	4.9
Min.	0	0.2	0.9	0	1.6	0
A.F.	60	60	90	40	110	220
Total 6 Months	---	---	580	A.F.		

Appropriations: D-710R

NORTH PLATTE RIVER BASIN

NORTH PLATTE CANAL from North Platte River - 1987
 Gage Location: NE1/4SE1/4 Sec. 13-14-35 W.
 near Sutherland
 Measuring Device: Stage recorder and 15 ft. Parshall flume
 Period of Record: 1918 - 1987

Date	Apr.	May	June	July	Aug.	Sept.
1	0	48	131	209	299	118
2	0	50	132	221	287	118
3	0	51	131	200	280	121
4	0	49	133	197	282	119
5	0	49	138	202	273	119
6	0	59	135	209	277	118
7	0	73	135	216	267	119
8	0	71	133	188	254	118
9	0	75	141	167	245	114
10	0	82	147	162	243	111
11	0	80	144	160	239	109
12	0	77	142	181	242	108
13	0	89	142	187	242	107
14	0	109	141	188	234	107
15	0	107	141	224	235	69
16	0	104	137	277	235	0
17	0	104	139	320	236	0
18	0	116	139	222	244	0
19	0	150	140	193	258	0
20	0	151	143	202	268	0
21	0	149	157	198	242	0
22	0	131	193	236	246	0
23	0	133	231	0	233	0
24	0	133	289	299	211	0
25	0	137	313	318	165	0
26	0	138	310	308	85	0
27	15	132	318	310	81	0
28	26	118	313	331	121	0
29	79	122	201	341	122	0
30	68	131	198	327	123	0
31	---	131	---	309	121	---

Total 188 3149 5287 7102 6908 1675
 Mean 6 102 176 229 223 56
 Max. 79 151 318 341 299 121
 Min. 0 48 131 0 81 0
 A.F. 370 6250 10490 14090 13700 3320
 Total 6 Months ---- 48220 A.F.

Appropriations: D-722

PAXTON-HERSHEY CANAL from North Platte River - 1987
 Gage Location: SW1/4NW1/4 Sec. 18-14-33 W.
 near Sutherland
 Measuring Device: Stage recorder and 10 ft. Parshall flume
 Period of Record: 1916, 1918 - 1987

Date	May	June	July	Aug.	Sept.
1	0	40	63	113	49
2	0	35	68	116	43
3	0	38	68	120	45
4	14	40	65	118	68
5	25	33	62	121	60
6	26	27	61	119	43
7	20	26	59	114	49
8	19	27	54	110	37
9	7.6	52	51	100	20
10	5.6	36	51	107	24
11	14	31	51	107	32
12	14	52	60	105	29
13	34	48	64	100	30
14	31	47	64	93	35
15	30	48	70	91	33
16	23	40	82	89	0.82
17	21	42	107	88	0
18	38	40	108	88	0
19	21	36	87	97	0
20	23	47	88	105	4.1
21	36	66	96	105	11
22	29	70	104	105	3.5
23	38	79	103	102	0
24	37	92	106	88	3.5
25	41	108	112	77	5.7
26	43	108	108	64	5.4
27	30	108	108	58	5.1
28	7.2	109	105	52	4.6
29	23	77	104	54	0
30	41	61	108	55	0
31	42	---	109	52	---

Total 733.4 1663 2546 2913 639.92
 Mean 24 55 82 94 21
 Max. 43 109 112 121 68
 Min. 0 26 51 52 0
 A.F. 1450 3300 5050 5780 1270
 Total 5 Months ---- 16850 A.F.

Appropriations: D-653

BIRDWOOD CANAL from Birdwood Creek - 1987
 Gage Location: SE1/4SW1/4 Sec. 35-15-33 W.
 near Hershey
 Measuring Device: Stage recorder and 8 ft. metal flume
 Period of Record: 1921 - 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	3.9	23	16	14
2	0	0	3.8	23	18	14
3	0	0	0	24	19	13
4	0	0	0	32	19	9.2
5	0	0	12	36	21	7.6
6	0	0	22	37	20	8.2
7	0	0	8.2	38	19	8.6
8	0	0	11	40	8.2	8.6
9	0	1.3	11	41	7.6	8.2
10	0	18	12	41	8.2	8.2
11	0	18	19	40	8.6	7.3
12	0	18	25	41	9.5	8.2
13	0	18	30	42	11	8.9
14	0	18	26	36	12	8.2
15	0	18	26	31	22	8.9
16	0	18	26	32	20	8.6
17	0	18	26	32	15	8.6
18	0	17	21	34	15	7.9
19	0	18	9.7	34	16	8.6
20	0	19	13	34	16	8.9
21	0	19	18	34	16	8.9
22	0	19	20	35	16	8.9
23	0	19	22	37	16	3.9
24	0	20	22	37	16	0
25	0	21	22	36	16	0
26	0	23	22	30	15	0
27	0	24	23	22	22	0
28	0	22	24	18	18	0
29	0	1.7	29	16	15	0
30	0	4.9	22	16	14	0
31	0	---	22	16	---	0

Total 0 372.9 551.6 988 465.1 205.4
 Mean 0 12 18 32 16 7
 Max. 0 24 30 42 22 14
 Min. 0 0 0 16 7.6 0
 A.F. 0 740 1090 1960 920 410
 Total 6 Months ---- 5120 A.F.

Appropriations: D-646

SUBURBAN CANAL from North Platte River - 1987
 Gage Location: NE1/4SE1/4 Sec. 12-14-33 W.
 near Hershey
 Measuring Device: Stage recorder and 12 ft. Parshall flume
 Period of Record: 1919, 1921 - 1987

Date	Apr.	May	June	July	Aug.	Sept.
1	0	2.2	34	87	88	43
2	0	2.2	41	82	89	37
3	0	2.2	44	94	90	47
4	0	3.8	46	96	92	22
5	0	4.5	51	97	93	12
6	0	7.2	51	94	94	11
7	0	4.8	51	89	90	11
8	0	42	63	73	89	22
9	0	46	76	50	88	30
10	0	42	80	56	85	19
11	0	41	78	74	88	11
12	0	39	76	73	90	11
13	0	44	72	70	91	9.2
14	0	67	67	65	84	8.1
15	2.5	68	73	66	84	28
16	2.5	65	72	79	84	61
17	2.5	64	70	93	84	61
18	2.2	67	71	85	84	61
19	2.2	64	68	67	82	32
20	2.2	61	71	62	83	8.9
21	2.2	58	73	87	85	8
22	2.5	46	76	87	86	8
23	2.2	45	77	85	90	5.6
24	2.2	46	83	88	85	4
25	2.2	47	91	94	71	3
26	2.2	45	113	91	55	4.1
27	2.2	36	125	91	39	5
28	2.2	33	124	98	33	0
29	2.2	30	106	96	49	0
30	2.2	32	93	93	48	0
31	---	33	---	90	47	---

Total 36.4 1187.9 2216 2552 2440 582.9
 Mean 1 38 74 82 79 19
 Max. 2.5 68 125 98 94 61
 Min. 0 2.2 34 50 33 0
 A.F. 70 2360 4400 5060 4840 1160
 Total 6 Months ---- 17890 A.F.

Appropriations: D-662

SOUTH PLATTE RIVER BASIN

OLIVER RESERVOIR on Lodgepole Creek - 1987
 Gage Location: SE1/4SE1/4 Sec. 36-15-57 W.
 near Kimball
 Measuring Device: Stage observation
 Period of Record: 1977 - 1987

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acres-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 18, 1986	2549
January 14, 1987	2655
February 10, 1987	2712
March 19, 1987	2734
April 6, 1987	2720
May 13, 1987	2709
June 2, 1987	2710
June 15, 1987	2684
July 1, 1987	2647
July 17, 1987	2626
July 28, 1987	2549
August 10, 1987	2652
August 25, 1987	2565
September 9, 1987	2482
September 28, 1987	2446
October 23, 1987	2446
November 17, 1987	2559
December 9, 1987	2665

Appropriations: A-15524

LODGEPOLE CREEK BELOW OLIVER RESERVOIR near Kimball - 1987
 Gage Location: NW1/4SE1/4 Sec. 36-15-57 W.
 Measuring Device: Stage recorder
 Period of Record: 1981 - 1987

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1987, 23 cubic feet per second at 0500 on May 25, 1987 at gage height of 1.60 feet.
 Minimum daily discharge, 0.36 cubic feet per second on July 15-17, 1987.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.2	2.7	4.2	5.6	4	6.4	0.42	2.3	1.8	0.68	0.6	0.84
2	1.2	2.8	4.2	5.6	4.3	5.1	0.48	2.2	1.8	0.68	0.68	1.1
3	1.2	2.8	4.3	5.1	6	4.6	0.48	2.1	1.9	0.68	0.68	0.76
4	1	3.2	4.8	5	5.4	4.2	0.68	2.4	1.9	0.68	0.76	0.68
5	1.1	3.6	6	4.9	5.4	3.8	0.54	2	1.9	0.68	0.76	0.76
6	1.1	3.7	6.9	4.9	5.5	3.3	0.42	1.9	1.9	0.68	0.76	0.68
7	1.1	3.7	7.1	4.8	5.4	3	0.54	1.7	1.9	0.68	0.84	0.76
8	1.1	3.2	6.9	4.8	5.2	2.8	0.54	1.6	1.9	0.68	0.76	1.4
9	1.1	3.8	7.2	4.9	5	2.8	0.54	1.6	1.2	0.68	0.84	1.3
10	1.1	3.9	6.6	4.9	4.9	3.8	0.48	1.2	0.48	0.68	0.76	3
11	1	3.6	6.6	4.2	4.4	4	0.54	1.2	0.54	0.68	0.76	1.3
12	1	3.8	6.7	6.3	4.3	3.7	0.54	1.6	0.54	0.68	0.68	0.76
13	1	4.4	6.6	7.4	4.3	3.2	0.48	1.7	0.54	0.68	0.68	0.68
14	1	4.8	7.1	6.8	3.7	3	0.54	1.8	0.61	0.68	0.76	0.68
15	1	5.2	6.1	6.7	3.2	3	0.36	1.9	0.61	0.68	0.76	0.68
16	1	5	6.6	6.2	2.8	2.7	0.36	1.9	0.62	0.6	0.76	0.68
17	1.1	4.9	7.2	5.6	2.9	2.4	0.36	1.8	0.62	0.6	0.68	0.6
18	1.1	4.6	7.2	5	3.2	2	0.42	1.8	0.63	0.6	0.68	0.6
19	1.4	4.5	7.2	5.2	3	1.9	0.42	1.7	0.63	0.6	0.76	0.76
20	1.5	4.5	10	5.1	5.5	1.9	0.42	1.7	0.64	0.6	0.68	1.2
21	1.6	4.4	7.8	4	4.9	2	0.42	1.7	0.64	0.6	0.68	1.4
22	1.6	4.2	6.6	4	5	1.6	0.42	1.7	0.65	0.6	0.76	1.6
23	1.8	4	7.4	3.9	6.2	1.1	0.48	1.8	0.65	0.6	0.68	2.2
24	2	4	7.8	3.8	22	1	0.48	1.8	0.66	0.6	0.76	2.7
25	2.1	4	6.3	3.8	22	0.68	0.42	1.8	0.66	0.6	0.68	2.7
26	2.2	4.9	5.8	3.9	19	0.54	0.42	1.8	0.67	0.6	0.68	2.8
27	2.2	5.6	6.1	4.5	14	0.48	0.54	1.7	0.68	0.6	0.68	3.2
28	2.3	4.8	6.2	4.5	11	0.42	1.7	1.8	0.68	0.6	0.92	3.3
29	2.6	---	5.5	4.3	9.6	0.48	2.8	1.8	0.68	0.6	0.76	3.2
30	2.4	---	5.5	4.2	8.4	0.42	2.5	1.8	0.68	0.6	0.68	3.2
31	2.4	---	5.5	---	7.9	---	2.3	1.8	---	0.68	---	3.1
Total	45.5	114.6	200	149.9	218.4	76.32	22.04	55.6	29.31	19.88	21.92	48.62
Mean	1	4	6	5	7	3	1	2	1	1	1	2
Max.	2.6	5.6	10	7.4	22	6.4	2.8	2.4	1.9	0.68	0.92	3.3
Min.	1	2.7	4.2	3.8	2.8	0.42	0.36	1.2	0.48	0.6	0.6	0.6
A.F.	90	230	400	300	430	150	40	110	60	40	40	100

Total 12 Months --- 1860 A.F.

SOUTH PLATTE RIVER BASIN

WESTERN CANAL from South Platte River - 1987
 Gage Location: NE1/4SE1/4 Sec. 14-12-43 W.
 near Julesburg, CO
 Measuring Device: Stage recorder
 Period of Record: 1918 - 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	135	55	71	37
2	0	0	129	55	69	34
3	0	0	148	55	126	30
4	0	52	171	50	145	39
5	0	66	167	43	128	48
6	0	42	149	55	77	48
7	0	65	123	64	58	50
8	0	63	48	86	58	52
9	0	63	82	89	60	41
10	0	74	179	86	60	32
11	0	65	171	78	100	32
12	0	80	126	70	112	34
13	0	27	100	62	92	43
14	0	0	117	70	89	57
15	0	37	144	72	91	94
16	0	101	147	72	84	117
17	0	79	144	67	92	67
18	0	67	154	59	86	58
19	0	54	187	57	18	43
20	0	67	172	59	11	43
21	0	67	137	55	17	14
22	0	99	111	67	31	0
23	0	92	92	86	38	0
24	0	67	86	89	42	0
25	0	52	75	50	38	0
26	0	34	67	50	38	0
27	0	0	62	48	37	0
28	0	0	64	72	42	0
29	0	42	64	90	42	0
30	0	148	52	69	37	0
31	0	---	52	94	---	0
Total	0	1603	3655	2074	1989	993
Mean	0	53	118	67	66	32
Max.	0	148	187	94	145	117
Min.	0	0	48	43	11	0
A.F.	0	3180	7250	4110	3950	1970
Total 6 Months	----	20460	A.F.			

Appropriations: A-393, A-1804, A-4739

SUTHERLAND (KORTY) CANAL from South Platte River - 1987
 Gage Location: SE1/4 Sec. 8-13-36 W.
 near Paxton
 Measuring Device: Stage recorder and 25 ft. Parshall flume
 Period of Record: 1947 - 1987

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	381	651	261	481	86	1110	201	0	0	165	241	274
2	371	652	491	522	99	1110	175	0	0	140	255	275
3	356	642	728	546	97	1090	160	0	0	138	256	280
4	362	688	847	645	96	987	140	0	0	131	227	279
5	389	778	899	706	92	1100	140	0	0	111	240	280
6	441	788	951	710	238	1120	180	0	0	108	241	282
7	533	821	1010	705	349	1110	238	0	0	131	258	282
8	566	787	1020	666	450	1100	359	0	0	135	297	303
9	561	808	1010	672	589	1110	335	0	0	137	283	312
10	549	857	1010	664	736	1050	198	0	58	138	279	312
11	542	864	956	642	842	1000	126	0	155	129	277	313
12	577	845	907	647	948	1100	115	0	223	119	270	298
13	539	805	908	646	971	1090	142	0	309	119	266	222
14	550	824	993	515	958	1110	152	0	421	116	266	193
15	436	823	998	504	1030	1100	159	0	515	124	267	127
16	298	716	996	490	1060	1130	130	0	525	131	296	104
17	322	572	1010	520	1050	1110	101	0	518	141	301	91
18	286	563	1020	513	1060	1010	75	0	470	146	252	104
19	256	562	907	522	1100	1020	64	0	450	172	220	151
20	267	544	866	528	1110	1100	29	0	414	226	240	239
21	285	516	902	530	1020	1120	0	0	363	238	211	250
22	291	500	891	530	1060	1050	0	0	355	236	223	283
23	270	487	777	530	1080	945	0	0	323	215	253	381
24	268	497	843	533	1090	781	0	0	318	234	249	501
25	265	496	807	530	1100	608	0	0	277	249	261	400
26	310	510	631	520	1070	509	0	0	258	249	283	333
27	361	596	504	434	1080	468	0	0	227	239	276	153
28	446	388	627	321	1100	310	0	0	228	214	267	183
29	503	---	488	190	1100	271	0	0	186	231	280	203
30	521	---	730	117	1100	221	0	0	193	235	286	217
31	563	---	900	---	1100	---	0	0	---	240	---	265
Total	12665	18580	25888	16079	24841	27940	3219	0	6786	5337	7821	7890
Mean	409	664	835	536	801	931	104	0	226	172	261	255
Max.	577	864	1020	710	1110	1130	359	0	525	249	301	501
Min.	256	388	261	117	86	221	0	0	108	211	91	91
A.F.	25120	36850	51350	31890	49270	55420	6380	0	13460	10590	15510	15650
Total 12 Months	--	311490	A.F.									

Appropriations: A-3601, A-12745, A-14666, A-15845, A-15849

PLATTE RIVER BASIN

CONFLUENCE OF THE NORTH AND SOUTH PLATTE RIVERS near North Platte - 1987

Period of Record: 1949 - 1987

The values listed are the sum of the discharges of the North and South Platte Rivers, the Sutherland Power Return and Fremont Slough measured at the North Platte, Nebraska gaging stations.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2778	2947	1974	2895	2924	6195	2591	3285	2241	2230	1857	1976
2	2794	2954	1991	2713	3059	5995	2453	3353	2370	2196	1792	1939
3	2804	2935	2076	2551	3160	5334	2399	3395	2586	2203	1215	1953
4	2788	2845	2221	2661	3353	4974	2813	3486	2543	2132	1214	1949
5	2783	2673	2343	2381	3524	4878	2949	3491	2466	1812	1169	1958
6	2753	2416	2184	2369	3624	4726	3071	3483	2414	1793	1095	1952
7	2667	2429	2130	2278	3389	4066	3533	3478	2458	1880	1158	1926
8	2674	2358	2091	2225	3446	3602	3426	3390	2418	1882	1247	1931
9	2707	2317	2097	2221	3794	3489	3085	3388	2407	1887	1691	1958
10	2619	2204	2133	2186	3973	3501	2726	3274	2399	1895	1757	1924
11	2601	2067	2172	2203	3868	3347	2684	3175	2381	1913	1774	1887
12	2540	2155	2228	2285	3686	3541	2681	3168	2336	1905	1698	1853
13	2538	2246	2263	2584	3641	3259	2811	3324	2241	1900	1651	1841
14	2512	2171	2470	2750	3585	4355	2691	3249	2186	1909	1652	1767
15	2428	2085	2721	2726	3550	5122	2537	3103	2253	1909	1664	1734
16	2363	2053	2776	2670	3276	4937	2618	3056	2218	2018	1781	1753
17	2293	2067	2990	2729	2956	4417	2649	3035	2053	2091	1792	1757
18	2283	2098	2927	2731	2902	3960	3167	3040	2037	1995	1785	1634
19	2243	1956	2880	2832	2826	3613	3296	3039	1971	1865	1768	1571
20	2178	1832	3111	2853	2825	3396	2816	3113	1950	1815	1835	1567
21	2228	1898	3114	2804	2936	2948	2711	3150	1923	1682	1915	1557
22	2218	1887	3146	2725	3135	2610	2760	3205	1935	1416	1925	1568
23	2193	1889	2850	2719	3351	2237	2709	3383	1909	1468	1958	1543
24	2308	1873	2746	2713	3781	2080	2782	3529	1887	1462	1944	1542
25	2533	1902	2929	2670	4904	2166	2872	3491	1882	1479	2026	1624
26	2723	1923	2857	2706	5998	2159	2898	3074	1879	1589	2064	1614
27	2777	2085	2822	2872	6654	2354	2971	2725	1925	1895	2044	1632
28	2912	2089	3096	2989	6716	2666	2988	2402	2212	1895	2031	1660
29	2983	---	3001	3045	6687	2814	3060	2299	2210	1910	2053	1560
30	3004	---	3460	3044	6673	2813	3117	2301	2200	1930	2041	1611
31	3033	---	3265	---	6422	---	3271	2300	---	1780	---	1646
Total	80258	62352	81064	79130	124618	111554	89135	97184	65890	57736	51576	54387
Mean	2589	2227	2615	2638	4020	3486	2875	3135	2196	1862	1719	1754
Max.	3033	2954	3460	3045	6716	6195	3533	3529	2586	2230	2064	1976
Min.	2178	1832	1974	2186	2825	0	2399	2299	1879	1416	1095	1542
A.F.	159190	123670	160790	156950	247180	221260	176800	192260	130690	114520	102300	107880
Total 12 Months	---	---	1893990	A.F.	---	---	---	---	---	---	---	---

WHITE HORSE CREEK near North Platte - 1987
 Gage Location: SW1/4 Sec. 5-13-29 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1942, 1960 - 1961,
 1963 - 1987

Date	May	June	July	Aug.	Sept.
1	14	15	13	7	7.7
2	14	14	13	6.8	7.8
3	15	13	14	6.6	7.8
4	15	13	14	6.5	7.8
5	16	12	15	6.3	7.9
6	16	12	15	6.2	7.9
7	17	12	15	6	7.9
8	17	12	16	5.8	7.9
9	18	12	16	5.7	8
10	18	12	17	5.5	8
11	19	12	17	5.6	8.1
12	19	12	18	5.8	8.3
13	20	12	18	5.9	8.4
14	20	12	17	6.1	8.6
15	21	12	17	6.2	8.7
16	21	12	16	6.4	8.8
17	22	12	15	6.5	9
18	22	12	14	6.6	9.1
19	23	12	14	6.8	9.3
20	22	12	13	6.9	9.4
21	22	12	12	7.1	9.5
22	21	12	11	7.2	9.7
23	20	12	11	7.3	9.5
24	20	12	10	7.5	9.4
25	19	12	9.2	7.5	9.2
26	18	12	8.5	7.6	9
27	18	12	7.8	7.6	8.8
28	17	12	7.6	7.6	8.7
29	17	12	7.5	7.6	8.5
30	16	12	7.3	7.7	8.3
31	15	---	7.1	7.7	---
Total	572	367	406	207.6	257
Mean	18.5	12.2	13.1	6.7	8.6
Max.	23	15	16	7.7	9.7
Min.	14	12	7.1	5.5	7.7
A.F.	1130	730	810	410	510
Total 5 Months	---	---	3590	A.F.	---

PLATTE RIVER BASIN

TRI-COUNTY CANAL from Platte River - 1987
 Gage Location: NW1/4 Sec. 28-13-29 W. near North Platte
 Measuring Device: Stage recorder and 30 ft. Parshall flume
 Period of Record: 1941 - 1987

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2153	2147	1952	1810	2181	2165	2188	2219	2057	2043	1902	2023
2	2104	2140	1909	2062	2192	2170	2182	2219	2089	2074	1757	1954
3	2107	2107	1900	2035	2180	2153	2203	2224	2214	2107	1242	1946
4	2148	2129	1936	2069	2173	2163	2190	2235	2191	2102	1266	1949
5	2112	2090	1969	2069	1769	2180	2204	2230	2193	1690	1224	1936
6	2129	2060	1898	2039	2180	2177	2193	2219	2192	1586	1235	1939
7	2110	2054	1903	2021	2164	2169	2188	2230	2199	1732	1281	1935
8	2130	2044	1903	2019	2172	2174	2191	2215	2205	1789	1373	1937
9	2111	1986	1883	1991	2161	2196	2207	2217	2194	1846	1636	2082
10	2122	1970	1896	1977	2200	2187	2192	2208	2178	1903	1757	2137
11	2100	1749	1905	1999	2196	1729	2196	2217	2168	1938	1853	2076
12	2083	1872	1908	2010	2240	2197	2207	2220	2187	1939	1754	1997
13	2112	1925	1924	2075	2244	2196	2231	2203	2150	1927	1658	1968
14	2134	1932	1980	2097	2231	2230	2186	2212	2128	1918	1658	1946
15	2097	1919	2011	2123	2232	2204	2195	2202	2089	1953	1695	1783
16	1484	1879	2040	2112	2206	2213	2216	2198	2091	1967	1841	1552
17	1173	1855	2045	2119	2209	2211	2216	2200	2012	2066	1882	1763
18	1328	1898	2076	2129	2211	2218	2184	2202	2014	2056	1825	1910
19	1479	1914	2109	2132	2209	1426	2203	2210	1917	1907	1762	1754
20	1581	1826	2133	2132	2219	2212	2195	2213	1885	1917	1796	1611
21	1749	1847	2159	2107	1600	2202	2200	2206	1806	1848	1956	1600
22	1739	1843	2171	2097	2237	2171	2206	2212	1804	1437	1979	1575
23	1612	1828	2168	2126	2230	2156	2217	2227	1785	1466	2001	1615
24	1599	1798	2153	2125	2223	2079	2221	2228	1762	1443	1967	1461
25	1556	1797	2112	2104	2220	2104	2213	2221	1708	1488	2030	1121
26	1857	1845	2096	2101	2226	2121	2203	2212	1718	1546	2102	1024
27	2015	1917	2066	2144	2211	2206	2206	2160	1708	1919	2087	1622
28	2128	1944	2027	2162	2204	2202	2225	2200	1929	1935	2060	1794
29	2148	----	717	2181	2198	2202	2221	2166	1956	1916	2054	1845
30	2140	----	874	2186	2173	2144	2228	2140	1987	1933	2035	1948
31	2132	----	1558	----	2165	----	2226	2142	----	1982	----	1816
Total	59472	54315	59381	62353	67256	64157	68333	68407	60516	57373	52668	55621
Mean	1918	1940	1916	2078	2170	2139	2204	2207	2017	1851	1756	1794
Max.	2153	2147	2171	2186	2244	2230	2231	2235	2214	2107	2102	2137
Min.	1173	1749	717	1810	1600	1426	2182	2140	1708	1437	1224	1024
A.F.	117960	107730	117780	123680	133400	127250	135540	135680	120030	113800	104470	110320
Total 12 Months	----	----	1447640	A.F.	----	----	----	----	----	----	----	----

Appropriations: A-2355, A-1853R, A-1976R, A-2077R, A-3620, A-3823,
 A-4656, A-5278, A-7716, A-9673

PLATTE RIVER Passing Tri-County Diversion Dam - 1987
 Gage Location: SW1/4SW1/4 Sec. 10-13-29 W. near North Platte
 Measuring Device: Stage recorder
 Period of Record: 1958 - 1966, 1969 - 1987

Date	May	June	July	Aug.	Sept.
1	740	4840	411	1000	322
2	870	3840	349	1010	322
3	990	3120	382	1020	405
4	1180	2780	539	1100	428
5	1760	2710	617	1110	382
6	1450	2540	742	1120	344
7	1230	1880	1040	1110	388
8	1280	1430	1080	1110	377
9	1630	1300	891	1050	366
10	1780	1330	756	1000	338
11	1670	1630	617	985	328
12	1460	1350	611	1020	322
13	1400	1070	700	1070	332
14	1350	2130	679	985	281
15	1320	2920	584	884	312
16	1080	2730	584	868	317
17	760	2210	651	846	233
18	690	1750	791	838	233
19	630	1500	1000	823	230
20	610	1190	721	868	242
21	1350	700	597	884	242
22	910	464	644	899	242
23	1120	312	539	985	242
24	1560	228	591	1100	242
25	2690	238	693	1200	242
26	3780	233	721	993	242
27	4440	287	786	739	242
28	4520	501	846	434	250
29	4500	679	830	349	214
30	4500	629	874	312	210
31	4260	----	985	312	----
Total	57510	47721	21853	28024	8878
Mean	1855	1591	705	904	296
Max.	4520	4040	1080	1200	428
Min.	610	228	349	312	210
A.F.	114070	94650	43340	55580	17610
Total 5 Months	----	----	325250	A.F.	----

PLATTE RIVER BASIN

JEFFREY RESERVOIR from Platte River - 1987
 Gage Location: NE1/4NE1/4 Sec. 4-11-27 W.
 near Brady
 Measuring Device: Stage recorder
 Period of Record: 1977 - 1987

Date	STORAGE LEVEL												ELEVATION (Feet)	CONTENT (Acre-feet)
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
	Normal operating level												2758.0	11,500
	Top of dead storage pool												2734.2	6,350
1	4962	5237	4962	5402	5402	5127	5842	5512	5567	4162	5842	4962		
2	4962	5292	4712	5237	5457	5127	5897	5512	5512	3772	5952	4712		
3	4962	5182	4762	5127	5457	5182	5952	5622	5677	3439	5732	4812		
4	4912	5072	4862	5127	5512	5402	5952	5787	5567	3914	5402	5017		
5	4912	5017	5072	5017	5127	5127	5622	5897	5677	3677	5347	5127		
6	5017	4812	5072	4912	5237	5567	5842	5677	5567	3962	5457	5127		
7	5127	4612	4962	4912	5237	5567	5787	5677	5512	4062	5292	5072		
8	5182	4412	4712	5072	5237	5622	5842	5732	5457	4162	5292	5347		
9	5237	4062	4512	5182	5237	5787	5842	5732	5457	3962	5457	5567		
10	5292	3962	4612	5182	5347	5842	5732	5732	5402	3724	5237	5402		
11	5292	4662	5567	4962	5402	5292	5732	5787	5457	3819	5402	5237		
12	5402	4362	5182	5017	5457	5567	4677	5787	5457	5677	5567	4962		
13	5402	4612	5072	5072	5457	5512	4677	5787	5512	3297	5512	4712		
14	5402	4862	4962	5182	5512	5457	4677	5842	5512	3059	5182	4462		
15	5402	5072	4912	5182	5567	5402	4677	5677	5732	3677	5017	4612		
16	4312	4962	5072	5072	5622	5402	4622	5677	5787	3392	5292	4862		
17	4462	4912	5127	4862	5457	5292	5732	5622	5677	3629	5017	5127		
18	4112	4962	5182	4662	5567	5347	5842	5512	5622	3819	5347	4862		
19	5072	4962	5127	4362	5567	5182	5897	5512	5677	3629	5072	4812		
20	4512	5017	4962	4862	5622	5732	5842	5567	5622	3819	4962	4662		
21	4062	5017	4912	5567	5017	5732	5732	5512	5567	3249	4812	4562		
22	4362	5127	4912	5512	5182	5732	5732	5512	5567	3487	4862	4562		
23	4662	5017	4912	5457	5237	5732	5732	5512	5842	3154	4862	5237		
24	4762	4962	4912	5292	5347	5622	5732	5567	5622	3534	4812	5237		
25	5017	5017	4812	5292	5457	5677	4677	5567	5677	3819	4762	4712		
26	5347	5182	4712	5347	5347	5622	5622	5567	5677	4412	4812	5262		
27	5402	5292	4712	5347	5182	5567	5787	5512	5567	4662	5182	4862		
28	5512	5182	4862	5402	5182	5622	5732	5457	4962	5072	5182	4362		
29	5567	----	4562	5512	5292	5677	5677	5512	4362	5182	5127	4562		
30	5512	----	3819	5457	5292	5677	5567	5512	4312	5457	5127	4612		
31	5402	----	4462	----	5237	----	5567	5567	----	5732	----	4362		

Appropriations: A-2354
 Values furnished by CNPPID

TRI-COUNTY CANAL, JEFFREY POWER RETURN to Platte River - 1987
 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 - 1987

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	0	0	0	0	0	13	294	0	0	0	0
2	0	0	0	0	0	0	230	371	0	0	0	0
3	0	0	0	0	0	0	407	258	0	0	300	0
4	0	0	0	0	0	0	364	180	0	0	430	0
5	0	0	0	0	0	0	335	174	0	0	355	0
6	0	0	0	0	0	0	359	142	0	0	0	0
7	0	0	0	0	0	0	80	161	0	0	0	0
8	0	0	0	0	0	0	0	75	0	0	0	0
9	0	0	0	0	0	0	0	91	0	0	0	0
10	0	0	0	0	0	0	8.5	67	0	0	0	0
11	0	0	0	0	0	0	432	106	0	0	0	0
12	0	0	0	0	0	0	439	130	0	0	0	0
13	0	0	0	0	0	0	354	141	0	0	0	0
14	0	0	0	0	0	0	264	75	0	0	0	0
15	0	0	0	0	0	0	444	117	0	0	0	0
16	0	0	0	0	0	0	573	262	0	0	0	0
17	0	0	0	0	0	0	541	408	0	0	0	0
18	0	0	0	0	0	0	235	467	0	0	0	0
19	0	0	0	0	0	0	0	542	0	0	0	0
20	0	0	0	0	0	0	28	507	0	0	0	0
21	0	0	0	0	0	0	428	357	0	0	0	0
22	0	0	0	0	0	0	448	338	0	0	0	0
23	0	0	0	0	0	0	418	286	0	0	0	0
24	0	0	0	0	0	108	507	63	0	0	0	0
25	0	0	0	0	0	216	475	0	0	0	0	0
26	0	0	0	0	0	314	451	0	0	0	0	0
27	0	0	0	0	0	350	404	0	0	0	0	0
28	0	0	0	0	0	115	427	0	0	0	0	0
29	0	---	0	0	0	28	452	0	0	0	0	0
30	0	---	0	0	0	0	415	0	0	0	0	0
31	0	---	0	---	0	---	330	0	---	0	---	0
Total	0	0	0	0	0	1131	9865.5	5592	0	0	1085	0
Mean	0	0	0	0	0	38	318	180	0	0	36	0
Max.	0	0	0	0	0	350	573	542	0	0	430	0
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	0	0	0	0	0	2240	19570	11090	0	0	2150	0

Total 12 Months - 35050 A.F.

PLATTE RIVER BASIN

ELWOOD RESERVOIR from Platte River - 1987
 Gage Location: NW1/4NW1/4 Sec. 32-8-22 W.
 near Elwood
 Measuring Device: Stage recorder
 Period of Record: 1978 - 1987

Date	STORAGE LEVEL												ELEVATION (Feet)	CONTENT (Acre-feet)
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
	Top of flood pool												2613.0	45,037
	Top of conservation pool												2607.0	37,800
	Minimum normal operating level												2576.3	12,100
	Top of dead storage pool												2568.8	8,295
1	26189	24423	23147	26009	32998	38721	36228	27839	17944	25395	29565	27657		
2	26099	24423	23063	26099	33206	38721	36118	27563	17944	25649	29565	27563		
3	26099	24337	22980	26279	33415	38721	36007	27101	17872	25919	29467	27469		
4	26009	24337	22980	26549	33628	38606	35785	26641	17800	26189	29369	27377		
5	26009	24251	22898	26825	33841	38606	35564	26189	17728	26459	29273	27577		
6	25919	24165	22898	27101	34053	38491	35347	25739	17656	26733	29273	27285		
7	25829	24165	22816	27377	34266	38491	35238	25120	17656	26917	29177	27193		
8	25829	24078	22733	27657	34479	38606	35130	24682	17872	27193	29177	27193		
9	25739	24078	22650	27939	34669	38721	35022	2E+09	18233	27469	29081	27101		
10	25649	23992	22568	28127	34913	38951	34913	23822	18598	27751	28985	27101		
11	25561	23906	22486	28409	35130	38836	34913	23400	18967	28033	28889	27009		
12	25561	23906	22486	28697	35347	38836	34804	22980	19342	28221	28889	26917		
13	25473	23822	22403	28985	35564	38836	34669	22568	19719	28409	28793	26825		
14	25473	23737	22403	29273	35675	38836	34588	22157	20102	28697	28697	26825		
15	25385	23737	22320	29467	35785	38721	34373	21673	20488	28889	28697	26733		
16	25297	23653	22568	29761	36007	38721	34053	21273	20800	29081	28601	26641		
17	25297	23563	22980	29957	36228	38721	33734	20958	21115	29369	28505	26641		
18	25208	23563	23400	30251	36339	38721	33415	20565	21431	29565	28409	26549		
19	25120	23484	23653	30449	36560	38721	33206	20179	21834	29859	28409	26549		
20	25120	23484	23992	30749	36784	38721	32894	20794	22157	30153	28315	26459		
21	25032	23400	24251	30950	36997	38606	32581	19417	22403	30349	28221	26459		
22	25032	23400	24509	31150	37123	38606	32168	19041	22733	30449	28127	26369		
23	24944	23316	24856	31350	37368	38376	31759	18672	23147	30569	28127	26279		
24	24856	23232	25208	31554	37574	38030	31350	18377	23400	30251	28127	26189		
25	24856	23232	25473	31759	37800	37687	30950	18233	23737	30153	28033	26099		
26	24768	23232	25739	31963	38030	37236	30549	18233	23992	30055	27939	26099		
27	24682	23232	26099	32168	38260	37010	30055	18161	24337	29957	27845	26009		
28	24682	23147	26279	32372	38376	36671	29663	18161	24596	29859	27845	26009		
29	24596	-----	26189	32581	38491	36450	29273	18089	24856	29761	27751	25919		
30	24509	-----	26189	32789	38491	36339	28793	18016	25120	29761	27657	25829		
31	24509	-----	26099	-----	38606	-----	28409	18016	-----	29663	-----	25829		

Appropriations: A-2374R

Values furnished by CNPPID

NOTE: Prior to 1984 storage values published in the Hydrographic Report were for storage above the minimum operating level. Add 13,885 acre-feet to values listed in pre-1984 reports before comparing to values in this report.

JOHNSON RESERVOIR from Platte River - 1987
 Gage Location: SW1/4NE1/4 Sec. 4-8-22 W. near Lexington
 Measuring Device: Stage recorder
 Period of Record: 1977 - 1987

Date	STORAGE LEVEL												ELEVATION (Feet)	CONTENT (Acre-Feet)
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
	Normal operating level												2621.0	54,000
	Low water level												2601.5	17,880
1	41935	39820	40290	38645	40760	41700	42935	41700	44195	40290	42195	40995		
2	41935	40055	40525	39115	41230	41935	42935	41035	43435	40290	44195	41230		
3	41935	40525	40760	39115	41935	42185	43435	42435	43185	40055	45035	41260		
4	41935	40760	40525	38880	42435	42435	43935	42435	43685	39820	46185	40525		
5	41700	41230	40290	38880	42685	42435	44685	42435	43685	39585	45435	40055		
6	41935	41465	40055	38880	42435	42685	44685	42935	43685	40290	44685	39585		
7	41935	41700	40055	38645	42185	42935	44435	42935	43685	40525	44185	39585		
8	41935	41935	39820	38880	41700	43685	44935	43185	43435	40995	43435	40055		
9	42185	41935	39820	38645	41700	44685	44685	42935	42935	40525	42435	40290		
10	42435	42185	40055	38880	41700	44685	44685	42685	42935	40290	41935	40055		
11	42435	41700	40055	39585	41700	44685	44685	43185	42435	40995	41465	40055		
12	42435	41700	40055	40055	41935	43935	44685	43685	42185	41465	40760	39820		
13	42435	41465	40055	40525	42435	43935	44185	43685	41935	40760	40525	39820		
14	42685	41230	40290	41230	42185	42935	43435	43685	41935	40290	40525	39820		
15	43185	40995	41230	41230	41700	42935	43185	43935	42435	39820	40760	40055		
16	43185	40760	41935	40760	41230	42685	43185	44185	42935	39585	40760	40290		
17	42935	40760	42185	40995	40995	42685	42685	43685	43685	40055	40055	40290		
18	42435	40525	42435	40995	41230	42685	43435	43185	43685	40290	39820	39820		
19	40760	40525	41935	40995	41700	42435	44435	42935	43185	41935	40055	39820		
20	38175	40525	41935	40760	41935	41935	44685	42435	42435	44185	42185	39585		
21	37015	40290	41935	40290	41465	41935	44435	42435	41465	43185	41465	39585		
22	37815	40055	41700	40055	40995	42185	44435	42685	41465	43435	41230	40055		
23	37235	39585	41700	40290	40995	42685	44685	42935	41230	43185	40995	40995		
24	37235	39350	41935	41465	40995	43185	44185	43435	41700	43435	40995	40760		
25	37235	39585	41935	41230	40995	43435	43435	43935	42685	43685	40760	40760		
26	38175	39820	41700	40995	41230	43935	42935	43935	42435	43185	40525	41230		
27	39350	40055	41230	40995	41230	44185	42935	43185	41935	41230	40995	40760		
28	39820	40055	40995	40995	41465	43685	42435	42685	42465	41230	40760	39820		
29	40055	-----	40995	40760	41465	43685	42185	43435	41230	40290	40760	39115		
30	39585	-----	40525	40760	41465	43435	41935	43685	40760	40760	40525	38880		
31	39820	-----	39585	-----	41465	-----	41700	44185	-----	41230	-----	39115		

Appropriations: A-2351, A-2354, A-2355
 Values furnished by CNPPID

PLATTE RIVER BASIN

THIRTY MILE CANAL from Platte River - 1987
 Gage Location: NW1/4NW1/4 Sec. 30-12-26 W.
 near Brady
 Measuring Device: Stage recorder and 20 ft. Parshall flume
 Period of Record: 1928 - 1987

Date	May	June	July	Aug.	Sept.
1	0	92	297	328	99
2	0	94	309	328	81
3	0	84	292	326	19
4	0	86	278	327	0
5	0	92	291	324	0
6	0	92	301	322	0
7	0	92	284	301	0
8	0	97	271	264	0
9	0	41	274	248	0
10	0	22	275	248	0
11	0	15	279	248	0
12	0	16	279	242	0
13	0	17	278	230	0
14	0	37	277	226	0
15	0	97	278	222	0
16	0	99	280	229	0
17	0	100	286	254	0
18	0	99	265	269	0
19	0	101	250	273	0
20	0	93	252	272	0
21	0	118	268	271	0
22	0	128	280	265	0
23	0	145	291	252	0
24	0	167	298	219	0
25	44	197	299	181	0
26	55	238	302	147	0
27	72	247	315	140	0
28	93	247	327	122	0
29	70	271	328	99	0
30	71	299	328	99	0
31	75	---	328	99	---
Total	460	3523	8951	7379	199
Mean	15	117	289	258	7
Max.	75	299	328	328	99
Min.	0	15	250	99	0
A.F.	910	6990	17750	14640	390
Total 5 Months	---	---	40680	A.F.	---

Appropriations: A-1853, A-1976, A-2077

GOTHENBURG CANAL from Platte River - 1987
 Gage Location: SW1/4SW1/4 Sec. 19-12-26 W.
 near Brady
 Measuring Device: Stage recorder and 20 ft. Parshall flume
 Period of Record: 1916, 1918 - 1919, 1921 - 1943,
 1945 - 1987

Date	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	0	86	105	272	300	106	43	71
2	0	83	109	316	300	106	17	24
3	0	82	104	316	299	104	0	0
4	0	82	111	320	299	96	0	0
5	0	87	114	318	296	93	0	0
6	0	86	110	315	297	94	0	0
7	0	83	114	309	303	88	0	0
8	33	84	119	300	295	82	0	0
9	33	84	28	299	285	76	0	0
10	32	89	10	297	277	77	0	0
11	32	85	13	303	274	76	0	0
12	33	86	29	311	275	68	0	0
13	19	86	43	311	275	73	0	0
14	0	90	59	309	273	74	0	0
15	6.7	95	94	309	274	75	0	0
16	49	86	97	309	273	74	0	0
17	60	85	61	310	273	75	0	0
18	60	102	39	284	279	74	0	0
19	62	113	46	285	287	74	0	0
20	79	113	54	275	293	74	0	0
21	60	118	82	272	292	74	0	0
22	63	93	95	274	291	74	32	0
23	72	103	99	279	286	69	61	0
24	67	103	101	284	278	54	29	0
25	67	109	120	287	218	51	35	0
26	67	115	141	286	162	52	40	0
27	68	106	148	286	159	53	43	0
28	70	105	154	287	146	52	45	0
29	79	104	185	288	128	52	18	0
30	85	103	213	292	113	50	45	0
31	---	103	---	298	109	---	69	---
Total	1196.7	2949	2797	9201	7909	2240	469	97
Mean	40	95	93	297	255	75	15	3
Max.	85	118	213	320	303	106	69	71
Min.	0	82	10	272	109	50	0	0
A.F.	2370	5850	5550	18250	15690	4440	930	190
Total 8 Months	---	---	53270	A.F.	---	---	---	---

Appropriations: D-645A, D-645BR, D-645B, A-3716,
 A-11798, A-15580, A-15870, A-15992

BUFFALO CREEK (B-1) RESERVOIR SUPPLY CANAL from Platte River - 1987
 Gage Location: NW1/4NE1/4 Sec. 8-11-22 W.
 via Gothenburg Canal near Darr
 Measuring Device: Stage recorder
 Period of Record: 1983, 1985 - 1987

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	25	27	0	0	26	0
2	0	27	29	0	0	26	0
3	0	26	29	0	0	27	0
4	0	24	27	0	0	27	0
5	0	25	27	0	0	27	0
6	0	26	28	0	0	27	0
7	0	27	27	0	0	27	0
8	0	26	31	0	0	27	0
9	0	25	24	0	0	27	0
10	0	24	3.9	0	5.8	28	0
11	0	24	1.5	0	12	28	0
12	0	22	0	0	14	29	0
13	0	26	0	0	17	24	0
14	0	25	0	0	23	24	0
15	0	23	0	0	21	24	0
16	0	27	14	0	14	25	0
17	0	30	33	0	12	22	0
18	0	29	8.9	0	9.8	22	0
19	0	23	2.2	0	6.1	29	0
20	0	29	0	0	4.7	29	0
21	0	26	0	0	5.3	29	0
22	0	28	0	0	6.7	29	0
23	6.6	25	0	0	12	29	0
24	13	22	0	0	15	14	0
25	13	18	0	0	21	0	7.4
26	12	22	0	0	26	0	6.9
27	12	31	0	0	26	0	10
28	20	28	0	0	26	0	12
29	23	26	0	0	26	0	12
30	23	28	0	0	26	0	1.7
31	---	28	---	0	26	---	0
Total	122.6	795	312.5	0	355.4	626	58
Mean	4	26	10	0	11	21	2
Max.	23	31	33	0	26	29	12
Min.	0	18	0	0	0	0	0
A.F.	240	1580	620	0	780	1240	100
Total 7 Months	---	---	4680	A.F.	---	---	---

Appropriations: A-15883

SIX MILE CANAL from Platte River - 1987
 Gage Location: NW1/4SE1/4 Sec. 11-11-26 W.
 near Gothenburg
 Measuring Device: Stage recorder and 3 ft. Parshall flume
 Period of Record: 1919, 1922 - 1987

Date	May	June	July	Aug.	Sept.
1	0	5.8	17	23	0
2	0	2.8	11	23	0
3	0	3.2	27	19	0
4	0	3.1	36	17	0
5	0	0.17	32	19	0
6	0	0.07	25	18	0
7	0	0	23	18	0
8	0	0.01	31	14	0
9	0	0.08	23	5.3	0
10	0	0.08	15	3.4	0
11	0	0.08	18	5.3	0
12	0	0.06	22	16	0
13	0	0	20	15	0
14	0	0	22	16	0
15	0	0.08	21	14	0
16	0	1.2	23	18	0
17	0	0.08	28	27	0
18	0	0.01	31	28	0
19	0	1.9	20	38	0
20	0	2.2	17	27	0
21	0	0	31	20	0
22	0	2.9	22	19	0
23	0	2.3	20	23	0
24	0	7.6	18	22	0
25	0	12	20	8.6	0
26	0	14	21	12	0
27	1.2	11	28	4	0
28	7.6	15	20	0.49	0
29	11	19	22	0	0
30	13	21	24	0	0
31	13	---	23	0	---
Total	45.8	125.72	703	463.09	0
Mean	1	4	23	15	0
Max.	13	21	36	30	0
Min.	0	0	11	0	0
A.F.	90	250	1390	920	0
Total 5 Months	---	---	2650	A.F.	---

Appropriations: D680R

COZAD CANAL from Platte River - 1987
 Gage Location: SE1/4SE1/4 Sec. 16-11-25 W.
 near Gothenburg
 Measuring Device: Stage recorder and 20 ft. Parshall flume
 Period of Record: 1918 - 1987

Date	May	June	July	Aug.	Sept.
1	7.8	47	197	235	0
2	7.9	43	150	237	0
3	8.8	38	204	237	0
4	9.3	34	218	237	0
5	20	34	218	236	0
6	43	42	226	233	0
7	38	43	231	233	0
8	36	41	231	231	0
9	35	30	231	231	0
10	39	22	231	224	0
11	37	27	231	217	0
12	32	34	231	214	0
13	30	36	231	213	0
14	28	38	231	213	0
15	28	49	232	213	0
16	27	49	233	215	0
17	23	45	233	215	0
18	22	46	233	215	0
19	19	52	232	216	0
20	16	52	231	215	0
21	22	55	231	215	0
22	28	53	231	216	0
23	20	62	231	218	0
24	28	69	231	182	0
25	40	70	231	153	0
26	44	71	231	125	0
27	46	71	231	0	0
28	47	77	231	0	0
29	48	115	233	0	0
30	48	166	235	0	0
31	49	---	235	0	---
Total	926.8	1611	7006	5589	0
Mean	30	54	219	180	0
Max.	49	166	235	237	0
Min.	7.8	22	0	0	0
A.F.	1840	3200	13900	11090	0
Total 5 Months	---	---	30030	A.F.	---

Appropriations: D-626

ORCHARD-ALFALFA CANAL from Platte River - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	2.4	58	54	79	13
2	4.4	53	47	82	14
3	3.2	47	46	82	14
4	0	33	55	75	13
5	0	26	60	71	5
6	0	25	63	67	0.08
7	0	23	49	63	0.08
8	0	24	42	57	0.08
9	0	33	43	52	0.08
10	0	26	47	48	0.08
11	0	20	52	46	0.08
12	15	18	54	43	0.08
13	18	15	52	43	0.08
14	16	15	61	44	0.08
15	15	20	64	44	0.08
16	15	27	64	42	0.08
17	10	21	58	62	0.08
18	15	18	51	81	0.08
19	23	15	48	82	0.08
20	20	16	53	84	0.08
21	19	20	51	79	0.08
22	21	37	56	75	0.08
23	17	39	68	75	0.08
24	18	53	75	52	0.08
25	22	58	75	42	0.08
26	25	54	75	40	0.08
27	31	52	74	28	0.08
28	41	41	72	18	0.08
29	51	45	81	12	0.08
30	58	55	81	3.9	0.08
31	62	---	80	2.2	---
Total	522	987	1851	1674.1	61
Mean	17	33	60	54	2
Max.	62	58	81	84	14
Min.	0	15	42	2.2	0.08
A.F.	1040	1960	3670	3320	120
Total 5 Months	---	---	10110	A.F.	---

DAWSON COUNTY CANAL from Platte River - 1987
 Gage Location: NW1/4NW1/4 Sec. 7-10-23 W.
 near Cozad
 Measuring Device: Stage recorder and 25 ft. Parshall flume
 Period of Record: 1918 - 1987

Date	May	June	July	Aug.	Sept.
1	0	95	0	423	223
2	0	96	0	460	223
3	0	94	37	447	226
4	0	92	173	436	237
5	0	89	223	448	244
6	0	95	267	436	238
7	0	75	336	448	235
8	0	63	301	453	237
9	0	104	299	415	199
10	1.4	93	292	410	97
11	29	80	296	404	0
12	66	72	319	399	0
13	69	80	343	416	0
14	89	87	335	417	0
15	97	54	340	402	0
16	96	72	369	385	0
17	92	61	404	404	0
18	119	54	437	409	0
19	111	58	420	407	0
20	96	68	435	418	0
21	95	66	381	410	0
22	109	77	435	386	0
23	96	97	392	414	0
24	101	97	349	420	0
25	104	103	388	373	0
26	97	138	411	350	0
27	98	151	420	349	0
28	105	152	418	324	0
29	95	96	434	294	0
30	96	0	443	272	0
31	97	---	442	247	---
Total	1958.4	2557	10131	12268	2159
Mean	63	85	327	396	72
Max.	119	152	445	460	244
Min.	0	0	0	247	0
A.F.	3880	5070	20090	24330	4280
Total 5 Months	---	---	57650	A.F.	---

Appropriations: D-621, D-622, D-624, A-2039, A-2110, A-2145, A-2262, A-12968, A-14008, A-15184, A-15507

DAWSON COUNTY DRAIN NO. 2 near Darr - 1987
 Gage Location: SE1/4NE1/4 Sec. 25-10-23 W.
 Measuring Device: Stage observation
 Period of Record: 1932 - 1987

Date	May	June	July	Aug.	Sept.
1	5.5	4.8	12	14	12
2	5.5	4.7	12	14	12
3	5.5	4.6	12	15	11
4	5.5	4.5	12	15	11
5	5.6	5	13	15	10
6	5.6	5.6	13	15	9.7
7	5.6	6.1	13	15	9.2
8	5.6	6.6	13	15	8.7
9	5.6	7.2	13	15	8.2
10	5.6	7.7	14	16	8.1
11	5.6	8.3	14	16	8
12	5.6	8.8	14	16	7.8
13	5.6	9.3	14	16	7.7
14	5.6	9.9	15	16	7.6
15	5.6	10	15	16	7.5
16	5.7	11	15	16	7.4
17	5.7	11	15	16	7.2
18	5.7	12	15	16	7.1
19	5.7	12	15	16	7
20	5.7	12	15	16	6.9
21	5.7	12	15	15	6.8
22	5.6	12	15	15	6.6
23	5.5	12	15	15	6.5
24	5.4	12	14	15	6.4
25	5.4	12	14	15	6.3
26	5.3	12	14	15	6.3
27	5.2	12	14	15	6.2
28	5.1	12	14	14	6.2
29	5	12	14	14	6.1
30	4.9	12	14	13	6.1
31	4.8	---	14	13	---
Total	170	281.1	431	468	237.6
Mean	5.5	9.4	13.9	15.1	7.9
Max.	5.7	12	15	16	12
Min.	4.8	4.5	12	13	6.1
A.F.	340	560	850	930	470
Total 5 Months	---	---	3150	A.F.	---

PLATTE RIVER BASIN

PLUM CREEK near Smithfield - 1987
 Gage Location: SE1/4SW1/4 Sec. 21-8-21 W.
 Measuring Device: Stage recorder
 Period of Record: 1980 - 1987

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1987, 186 cubic feet per second at 0755 on June 11, 1987 at a gage height of 8.11 feet.
 Minimum daily discharge, 2.8 cubic feet per second March 25, 1987.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.7	7.4	16	3.6	8.6	8.3	12	11	4.3	5.9	8.9	11
2	5.4	7.4	11	32	8.9	8.3	10	10	4.9	5.9	8.9	10
3	13	7.4	10	24	9.3	10	13	9.6	5	6	8.9	10
4	8.3	7.5	9.6	13	13	11	12	8.9	5.6	5.8	8.9	10
5	9.6	7.5	9.3	12	11	10	12	9.3	6.1	6.1	8.6	9.6
6	8.9	7.5	9.3	13	13	10	12	8.3	6.4	6.1	8.6	10
7	9.6	7.6	9.3	11	12	9.6	15	8.3	6.1	6	8.9	10
8	8.2	7.6	9.3	14	11	9.4	41	10	5.8	6.2	10	9.6
9	10	7.6	9.3	12	9.6	20	25	10	5.7	6.6	12	10
10	5.6	7.6	8.6	12	9.3	126	13	9.6	5.6	6.6	8.9	12
11	15	7.6	7.8	11	9.3	166	11	8.3	5.8	6.3	8.6	10
12	12	8	8.6	11	8.9	64	10	8.9	5.9	6.4	8.6	10
13	8.9	11	8.6	12	8.3	26	10	9.3	6.2	6.9	9.3	9.3
14	8.6	8.6	8.6	18	8	17	12	10	6.2	7.2	8.9	8.3
15	7.2	9.3	9.3	17	8	14	12	11	6.3	7.2	9.3	8.3
16	3.2	8.6	10	13	7.6	12	12	11	6.4	6.9	10	8.3
17	8	8	25	12	7.6	12	16	11	6.4	6.9	14	5.7
18	9.3	8.3	29	11	9.3	18	20	10	6.3	6.9	12	10
19	6.9	8	23	11	17	13	32	10	6.1	7.2	9.6	9.6
20	6.9	8	14	10	11	11	21	8.6	6.1	7.2	9.6	10
21	6.9	7.6	12	9.3	11	11	16	9.3	6	7.2	9.6	8.9
22	6.9	8	12	8.3	11	10	13	8.3	5.9	7.2	10	8.9
23	7	8.3	10	8.6	9.3	10	12	8	5.9	7.6	10	10
24	7	8.6	5.4	9.3	8.9	10	10	8.3	6.2	8.6	10	10
25	7	8.6	2.8	8.9	9.3	10	10	12	6.3	9.3	10	4.8
26	7.1	8.9	3.6	8.9	10	10	10	14	6.1	8.9	13	11
27	7.1	10	15	8.9	11	10	10	11	6.1	10	10	7.2
28	7.2	17	33	8.3	9.6	14	8.9	11	6	8.6	10	12
29	7.2	---	25	8	9.6	22	9.6	8	5.8	8.3	11	11
30	7.3	---	6.8	8.3	8.9	13	11	6.4	5.8	8.9	10	6.8
31	7.3	---	5.8	---	9.3	---	12	5.2	---	8.9	---	12
Total	249.3	236.9	377	359.4	308.6	695.6	443.5	294.6	177.3	223.8	296.1	294.3
Mean	8	8	12	12	10	23	14	10	6	7	10	9
Max.	15	17	33	32	17	166	6.8	14	6.4	10	14	12
Min.	3.2	7.4	2.8	3.6	7.6	8.3	8.9	5.2	4.3	5.8	8.6	4.8
A.F.	490	470	750	710	610	1380	880	580	350	440	590	580
Total 12 Months	---	---	7830	A.F.	---	---	---	---	---	---	---	---

STREVER (SPRING) CREEK near Overton - 1987
 Gage Location: NE1/4NW1/4 Sec. 1-8-20 W
 Measuring Device: Stage observation
 Period of Record: 1932 - 1934, 1936 - 1987

Date	May	June	July	Aug.	Sept.
1	28	75	68	84	75
2	27	86	71	82	73
3	27	94	74	79	71
4	27	103	77	77	68
5	27	112	80	74	64
6	26	121	83	72	61
7	26	130	86	74	57
8	26	139	89	76	54
9	25	148	92	78	50
10	25	157	93	79	47
11	25	166	94	81	44
12	25	158	95	83	40
13	24	149	96	85	37
14	24	141	97	87	33
15	25	132	98	89	30
16	26	124	99	91	27
17	27	116	99	92	23
18	28	107	100	94	22
19	29	99	101	96	22
20	30	90	102	98	21
21	31	82	103	94	20
22	33	74	104	94	19
23	34	65	105	92	19
24	35	57	105	90	18
25	36	49	100	88	17
26	37	52	98	86	17
27	38	55	96	84	16
28	39	58	93	83	15
29	48	61	91	81	14
30	57	64	89	79	14
31	66	---	86	77	---
Total	981	3062	2862	2621	1088
Mean	32	102	92	85	36
Max.	66	166	105	98	75
Min.	24	49	68	72	14
A.F.	1950	6070	5680	5200	2160
Total 5 Months	---	---	21860	A.F.	---

BUFFALO CREEK near Elm Creek - 1987
 Gage Location: NE1/4NE1/4 Sec. 5-8-18 W.
 Measuring Device: Stage observation
 Period of Record: 1925, 1927 - 1928, 1933 - 1987

Date	May	June	July	Aug.	Sept.
1	15	71	98	63	106
2	15	70	104	60	108
3	14	68	110	58	110
4	14	67	116	55	103
5	14	66	122	53	95
6	14	64	127	50	88
7	14	63	133	52	81
8	13	62	139	55	73
9	13	61	145	58	66
10	13	59	141	60	59
11	13	58	137	62	51
12	12	58	132	65	44
13	12	59	128	68	37
14	12	59	124	70	29
15	17	59	120	72	22
16	21	60	116	75	15
17	26	60	111	78	7.2
18	30	60	107	80	7.1
19	35	61	103	82	7
20	39	61	99	85	6.8
21	44	62	94	87	6.7
22	49	62	90	89	6.6
23	53	62	86	90	6.5
24	58	63	83	92	6.4
25	62	63	81	94	6.2
26	67	69	78	96	6.1
27	71	75	76	98	6
28	76	81	73	99	5.9
29	75	86	71	101	5.7
30	73	92	68	103	5.6
31	72	---	65	105	---
Total	1056	1961	3277	2355	1176.8
Mean	34	65	106	76	39
Max.	76	92	145	105	110
Min.	12	58	65	50	5.6
A.F.	2090	3890	6500	4670	2330
Total 5 Months	---	---	19480	A.F.	---

**PLATTE RIVER BASIN
(LOUP RIVER)**

SARGENT CANAL from Middle Loup River - 1987
 Gage Location: NW1/4NE1/4 Sec. 32-21-21W.
 near Milburn
 Measuring Device: Stage recorder and 10 ft. Parshall flume
 Period of Record: 1957-1987

Date	May	June	July	Aug.	Sept.
1	0	0	247	246	81
2	0	0	257	254	81
3	0	0	252	249	81
4	0	0	223	244	81
5	0	0	200	234	81
6	0	0	207	195	81
7	0	0	192	141	81
8	0	0	176	91	81
9	0	0	156	81	52
10	0	0	161	82	0
11	0	0	161	86	0
12	0	0	160	91	0
13	0	0	163	91	0
14	0	0	177	91	0
15	0	0	196	90	0
16	0	0	225	89	0
17	0	0	236	98	0
18	0	35	156	134	0
19	0	74	115	156	0
20	0	102	114	161	0
21	0	126	116	154	0
22	0	127	127	151	0
23	0	155	179	152	0
24	0	147	221	151	0
25	0	159	241	109	0
26	0	177	256	80	0
27	0	200	266	81	0
28	0	220	268	81	0
29	0	246	267	80	0
30	0	258	267	81	0
31	0	---	256	81	---
Total	0	2026	6238	4107	700
Mean	0	68	201	132	23
Max.	0	258	268	254	81
Min.	0	0	114	80	0
A.F.	0	4020	12370	8150	1390
Total 5 Months	---	---	25930	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 - 1987
 Gage Location: SW1/4NW1/4 Sec. 14-19-18 W.
 near Sargent
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1938-1943, 1947-1987

Date	May	June	July	Aug.	Sept.
1	0	17	43	36	12
2	0	14	43	34	11
3	0	13	43	34	11
4	0	14	33	35	11
5	0	16	33	37	12
6	0	11	38	37	11
7	0	10	35	35	10
8	0	10	29	32	10
9	0	12	26	27	11
10	0	15	27	28	5
11	0	13	28	29	0
12	0	11	28	29	0
13	0	10	29	29	0
14	0	10	29	27	0
15	0	10	34	26	0
16	0	11	40	25	0
17	0	11	39	28	0
18	13	11	36	29	0
19	20	19	32	28	0
20	19	16	23	27	0
21	19	16	23	27	0
22	17	17	29	28	0
23	13	20	28	28	0
24	10	23	30	28	0
25	10	27	33	25	0
26	15	26	32	22	0
27	20	25	33	16	0
28	20	25	34	12	0
29	19	31	34	10	0
30	19	40	36	10	0
31	18	---	35	10	---
Total	232	504	1015	828	104
Mean	7	17	33	27	3
Max.	20	40	43	37	12
Min.	0	10	23	10	0
A.F.	460	1000	2010	1640	210
Total 5 Months	---	---	5320	A.F.	---

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

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

Date	May	June	July	Aug.	Sept.
1	0	0	6	9	0
2	0	0	9	9	0
3	0	0	9	9	0
4	0	0	9	9	0
5	0	0	9	9	0
6	0	0	4	9	0
7	0	0	0	9	0
8	0	0	0	4	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	0	0	0
14	0	0	0	0	0
15	0	0	0	0	0
16	0	0	5	8	0
17	0	0	9	0	0
18	0	0	9	0	0
19	0	0	9	0	0
20	0	0	3	8	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	5	0	0
25	0	0	9	0	0
26	0	0	9	0	0
27	0	0	9	0	0
28	0	0	9	0	0
29	0	0	9	0	0
30	0	0	9	0	0
31	0	---	9	0	---
Total	0	0	149	67	0
Mean	0	0	5	2	0
Max.	0	0	9	9	0
Min.	0	0	0	0	0
A.F.	0	0	300	130	0
Total 5 Months	---	---	430	---	---

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

MIDDLE LOUP SPILLWAY NO. 1 - 1987
 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, 1985-1987

Date	May	June	July	Aug.	Sept.
1	0	8	0	0	4
2	0	6	0	0	4
3	0	5	0	0	4
4	0	5	7	4	4
5	0	6	5	3	4
6	0	5	5	4	4
7	0	4	5	6	4
8	0	4	12	6	4
9	0	5	14	12	4
10	0	7	10	7	4
11	0	7	14	8	2
12	0	6	13	9	0
13	0	5	12	10	0
14	0	5	12	10	0
15	0	5	8	9	0
16	0	6	0	9	0
17	0	6	0	7	0
18	0	7	8	12	0
19	0	9	14	10	0
20	6	7	14	12	0
21	16	7	4	12	0
22	15	7	0	12	0
23	8	7	4	12	0
24	8	7	0	12	0
25	4	9	4	15	0
26	3	9	0	15	0
27	7	5	0	15	0
28	10	5	0	8	0
29	9	2	0	6	0
30	9	0	4	5	0
31	8	---	0	4	---
Total	103	176	169	254	42
Mean	3	6	5	8	1
Max.	16	9	14	15	4
Min.	0	0	0	0	0
A.F.	200	350	340	500	80
Total 5 Months	---	---	1470	A.F.	---

PLATTE RIVER BASIN
(LOUP RIVER)

MIDDLE LOUP CANAL NO. 2 from Middle Loup River - 1987
Gage Location: NE1/4NW1/4 Sec. 14-19-18W.
near Sargent
Measuring Device: Stage recorder and concrete flume
Period of Record: 1938-1943, 1947-1987

Date	May	June	July	Aug.	Sept.
1	0	13	50	53	17
2	0	14	52	51	17
3	0	15	47	52	17
4	0	14	22	52	17
5	0	14	23	48	17
6	0	15	29	42	17
7	0	12	27	36	17
8	0	13	25	32	17
9	0	14	24	28	16
10	0	16	23	29	7
11	0	16	22	30	0
12	0	14	24	31	0
13	0	15	27	30	0
14	0	17	26	26	0
15	0	19	27	22	0
16	0	20	41	23	0
17	0	20	42	22	0
18	12	18	33	23	0
19	25	20	22	23	0
20	24	20	17	23	0
21	23	19	18	22	0
22	22	24	18	21	0
23	22	30	29	21	0
24	22	35	38	21	0
25	22	36	39	22	0
26	21	38	45	21	0
27	19	43	49	19	0
28	18	47	48	15	0
29	18	46	52	18	0
30	17	49	52	18	0
31	14	---	52	17	---
Total	279	684	1043	891	159
Mean	9	23	34	29	5
Max.	25	49	52	53	17
Min.	0	12	17	15	0
A.F.	550	1360	2070	1770	320
Total 5 Months	--	--	6070	A.F.	--

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

MIDDLE LOUP SPILLWAY NO. 2 - 1987
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, 1985-1987

Date	May	June	July	Aug.	Sept.
1	0	13	9	7	10
2	0	12	15	8	10
3	0	16	13	10	10
4	0	16	9	13	10
5	0	16	4	15	10
6	0	16	17	16	10
7	0	15	18	15	10
8	0	15	16	20	10
9	0	16	16	17	10
10	0	18	15	17	10
11	0	16	14	18	10
12	0	13	13	18	4
13	0	13	18	20	0
14	0	13	18	19	0
15	0	13	11	16	0
16	0	14	8	17	0
17	0	12	5	18	0
18	0	13	7	16	0
19	2	12	14	17	0
20	14	13	16	15	0
21	14	12	7	12	0
22	14	11	6	10	0
23	15	9	10	13	0
24	15	8	14	13	0
25	15	15	4	15	0
26	14	6	6	13	0
27	15	4	10	11	0
28	18	4	5	9	0
29	21	5	6	11	0
30	18	6	8	11	0
31	15	---	8	10	---
Total	190	365	340	440	114
Mean	6	12	11	14	4
Max.	21	18	18	20	10
Min.	0	4	4	7	0
A.F.	380	720	670	870	230
Total 5 Months	--	--	2870	A.F.	--

MIDDLE LOUP CANAL NO. 3 from Middle Loup River - 1987
Gage Location: SW1/4NW1/4 Sec. 6-17-16W.
near Comstock
Measuring Device: Stage recorder and concrete flume
Period of Record: 1938-1943, 1947-1987

Date	May	June	July	Aug.	Sept.
1	0	40	126	112	17
2	0	37	122	108	18
3	0	37	110	106	27
4	0	38	59	113	36
5	0	38	50	100	37
6	0	38	50	90	36
7	0	37	49	59	35
8	0	37	47	39	35
9	0	37	39	27	34
10	0	39	35	22	16
11	0	39	43	19	0
12	0	39	71	31	0
13	0	40	41	27	0
14	0	41	37	34	0
15	0	54	54	47	0
16	0	71	79	48	0
17	0	66	100	59	0
18	0	65	72	74	0
19	35	66	40	77	0
20	63	64	38	81	0
21	51	64	37	88	0
22	43	62	48	88	0
23	43	69	83	85	0
24	42	84	114	77	0
25	43	85	113	63	0
26	44	86	115	55	0
27	45	108	125	54	0
28	43	120	123	35	0
29	40	121	119	20	0
30	41	124	123	19	0
31	41	---	117	18	---
Total	574	1846	2379	1875	291
Mean	19	62	77	60	10
Max.	63	124	126	113	37
Min.	0	37	35	18	0
A.F.	1140	3660	4720	3720	580
Total 5 Months	--	--	13620	A.F.	--

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

MIDDLE LOUP SPILLWAY NO. 3 - 1987
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, 1985-1987

Date	May	June	July	Aug.	Sept.
1	0	19	10	5	5
2	0	17	7	6	5
3	0	18	9	7	6
4	0	18	18	10	11
5	0	18	16	13	15
6	0	18	13	14	15
7	0	18	17	16	15
8	0	18	22	18	15
9	0	21	20	17	15
10	0	22	15	12	17
11	0	22	13	8	5
12	0	21	18	0	0
13	0	21	26	12	0
14	0	21	8	10	0
15	0	21	13	16	0
16	0	27	9	13	0
17	0	35	8	9	0
18	0	32	16	10	0
19	0	29	7	5	0
20	0	28	4	3	0
21	0	29	2	2	0
22	0	27	2	2	0
23	0	19	12	9	0
24	0	19	7	17	0
25	21	19	5	25	0
26	19	14	6	13	0
27	17	5	6	8	0
28	18	10	4	8	0
29	18	12	3	3	0
30	21	10	2	1	0
31	21	---	5	2	---
Total	135	606	323	294	124
Mean	4	20	10	9	4
Max.	21	35	26	25	17
Min.	0	5	2	0	0
A.F.	270	1200	640	580	250
Total 5 Months	--	--	2940	A.F.	--

PLATTE RIVER BASIN
(LOUP RIVER)

MIDDLE LOUP CANAL NO. 4 from Middle Loup River - 1987
Gage Location: SW1/4SW1/4 Sec. 6-17-16W.
near Comstock
Measuring Device: Stage recorder and concrete flume
Period of Record: 1938-1943, 1947-1987

MIDDLE LOUP CANAL NO. 4 from Sherman Feeder Canal - 1987
Gage Location: SW1/4SW1/4 Sec. 30-17-15W.
near Arcadia
Measuring Device: Flow meter and observer
Period of Record: 1986-1987

Date	May	June	July	Aug.	Sept.
1	0	24	98	102	21
2	0	30	100	102	21
3	0	37	94	102	21
4	0	41	35	94	20
5	0	43	37	85	20
6	0	43	37	75	20
7	0	44	37	61	19
8	0	42	38	44	16
9	0	39	35	34	15
10	0	36	36	29	7
11	0	37	31	26	0
12	0	36	12	25	0
13	0	35	28	29	0
14	0	36	53	36	0
15	0	48	60	47	0
16	0	68	71	45	0
17	0	78	93	43	0
18	36	76	43	53	0
19	54	77	38	61	0
20	58	76	36	72	0
21	52	76	34	80	0
22	48	76	40	89	0
23	48	77	58	92	0
24	48	74	83	70	0
25	47	74	92	32	0
26	47	94	98	22	0
27	43	99	114	22	0
28	35	100	130	22	0
29	32	99	118	22	0
30	27	97	105	22	0
31	24	---	101	22	---
Total	599	1812	1985	1660	180
Mean	19	60	64	54	6
Max.	58	100	130	102	21
Min.	0	24	12	22	0
A.F.	1190	3590	3940	3290	360
Total 5 Months	--	--	12370	A.F.	--

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

Date	May	June	July	Aug.	Sept.
1	0	0	10	15	0
2	0	0	11	15	0
3	0	0	14	15	0
4	0	0	5	15	0
5	0	0	0	15	0
6	0	0	0	5	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
13	0	0	10	0	0
14	0	0	2	0	0
15	0	0	2	0	0
16	0	0	10	0	0
17	0	0	11	0	0
18	0	0	2	0	0
19	0	0	0	0	0
20	0	0	0	0	0
21	0	0	0	0	0
22	0	0	0	0	0
23	0	0	0	0	0
24	0	0	0	0	0
25	0	0	0	0	0
26	0	0	9	0	0
27	0	0	14	0	0
28	0	0	12	0	0
29	0	0	7	0	0
30	0	3	7	0	0
31	0	0	12	0	0
Total	0	3	136	80	
Mean	0	0	4	3	
Max.	0	3	14	15	
Min.	0	0	0	0	
A.F.	0	10	270	160	
Total 5 Months	--	--	440	--	--

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

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

MIDDLE LOUP SPILLWAY NO. 4 - 1987
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, 1985-1987

Date	May	June	July	Aug.	Sept.
1	0	3	10	6	16
2	0	5	12	4	12
3	0	8	14	9	12
4	0	12	24	13	14
5	0	16	15	16	15
6	0	18	14	17	17
7	0	18	18	18	15
8	0	19	23	18	15
9	0	21	25	17	17
10	0	24	22	20	14
11	0	22	21	21	9
12	0	20	18	17	2
13	0	18	6	16	0
14	0	16	8	20	0
15	0	15	15	24	0
16	0	22	13	29	0
17	0	28	11	22	0
18	0	29	25	15	0
19	0	27	23	18	0
20	0	22	20	15	0
21	0	15	15	14	0
22	0	8	8	17	0
23	0	9	9	25	0
24	0	12	12	32	0
25	19	8	8	30	0
26	18	2	2	19	0
27	16	15	4	14	0
28	10	17	6	16	0
29	6	17	12	14	0
30	0	14	5	15	0
31	1	---	6	14	---
Total	70	480	424	545	158
Mean	2	16	14	18	5
Max.	19	29	25	32	17
Min.	0	2	2	4	0
A.F.	140	950	840	1080	310
Total 5 Months	--	--	3320	A.F.	--

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-Feet--1987

	May	June	July	Aug.	Sept.	Total
Diversions:						
Canal No. 1.....	460	1000	2010	1640	210	5320
Canal No. 2.....	550	1360	2070	1770	320	6070
Canal No. 3.....	1140	3660	4720	3720	580	13820
Canal No. 4.....	1190	3590	3940	3290	360	12370
Canal No. 4..... (from Sherman Feeder) *	0	10	270	160	0	440
Total diversions...	3340	9620	13010	10580	1470	38020
Returned through spillways:						
Canal No. 1.....	200	350	340	500	80	1470
Canal No. 2.....	380	720	670	870	230	2870
Canal No. 3.....	270	1200	640	580	250	2940
Canal No. 4.....	140	950	840	1080	310	3320
Total returned.....	990	3220	2490	3030	870	10600

* 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 - 1987
Gage Location: NE1/4SE1/4 Sec. 36-18-17 W.
near Comstock
Measuring Device: Stage recorder and 25 ft. Parshall flume
Period of Record: 1963-1987

Date	Apr.	May	June	July	Aug.	Sept.
1	0	299	207	215	162	301
2	0	299	209	223	162	301
3	0	306	199	240	168	299
4	0	308	282	356	207	299
5	0	310	342	421	251	299
6	0	308	352	423	306	299
7	0	306	356	423	426	299
8	0	306	322	423	434	299
9	0	303	294	389	418	296
10	7	303	296	423	429	264
11	46	303	296	421	431	217
12	46	306	299	418	429	175
13	50	308	301	423	423	122
14	50	303	301	416	410	40
15	45	303	325	413	405	0
16	48	303	377	359	429	0
17	49	303	405	253	434	0
18	48	253	400	280	423	0
19	46	201	405	313	423	0
20	76	199	405	366	365	0
21	132	195	402	429	392	0
22	189	205	400	402	382	0
23	234	201	408	362	377	0
24	273	201	397	327	405	0
25	303	201	418	264	418	0
26	301	199	405	215	418	0
27	301	213	313	168	418	0
28	301	193	249	139	437	0
29	301	221	236	151	418	0
30	299	217	223	162	400	0
31	---	213	---	166	342	---
Total	3145	8089	9824	9983	11522	3510
Mean	105	261	327	322	372	117
Max.	303	310	418	429	437	301
Min.	0	193	199	139	162	0
A.F.	6240	16040	19490	19800	22850	6960
Total 6 Months	---	---	91380	A.F.	---	---

Appropriations: A-4923A8B

Note: Total includes 440 A.F. delivered to Middle Loup Canal No. 4.

SHERMAN RESERVOIR storage in acre-feet - 1987
Gage Location: SW1/4SW1/4 Sec. 36-16-14 W.
near Loup City
Measuring Device: Stage observation
Period of Record: 1963-1987

Date	STORAGE LEVEL			ELEVATION (Feet)						CONTENT (Acre-feet)		
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	52478	51294	50584	51057	54917	66527	63764	43855	50584	54917	52966	51768
2	52478	51294	50347	51057	55670	66808	62671	42377	51057	54917	53966	51768
3	52478	51294	50347	50820	56173	67088	61342	41749	51531	54917	52966	51768
4	52478	51294	50347	50820	56675	68088	60278	40521	52004	54917	52966	51768
5	52478	51294	50347	50820	56926	68650	59495	39306	52478	54675	52722	51768
6	52241	51294	50347	50820	57428	67930	58720	37523	52966	54429	52722	51768
7	52241	51294	50347	50820	57945	68499	58203	37740	53454	54429	52722	51768
8	52241	51057	50110	50820	57686	69076	57686	37740	53698	54185	52722	51768
9	52241	51057	50110	50820	58978	69076	57428	38327	54185	54185	52478	51768
10	52241	51057	50110	50820	59237	69365	57428	38719	54673	54185	52478	51531
11	52241	51057	50110	50820	59754	69365	57428	39306	55419	53941	52478	51531
12	52004	50820	49880	50820	60012	69365	57428	39914	55670	53941	52478	51531
13	52241	50820	49880	50820	60544	69365	57177	40319	55921	53941	52478	51531
14	52241	50820	49880	50820	61076	69365	57177	40724	55921	53941	52478	51531
15	52004	50820	49880	50820	51342	69365	56675	41331	56173	53698	52478	51531
16	52004	50820	49880	50820	61873	69076	56173	41749	56173	53698	52478	51531
17	52004	50584	50584	51057	62139	69076	55670	42168	55921	53698	52478	51294
18	52004	50584	50820	51057	62671	69076	54917	42795	55921	53698	52241	51294
19	52004	50584	50820	51057	63218	69365	54429	43214	55921	53554	52241	51294
20	51768	50584	50820	51057	63491	69365	53698	43639	55670	53554	52241	51057
21	51768	50584	50820	51057	63654	69365	53210	44287	55670	53210	52241	51057
22	51531	50347	50820	51294	63764	69365	52722	44719	55670	53210	52241	51057
23	51768	50347	50820	51531	64038	69076	52478	44935	55670	53210	52241	51057
24	51531	50347	51057	51768	64311	68788	51768	45367	55670	53210	52004	51057
25	51531	50347	51294	52241	64584	68499	51057	46029	55419	53210	52004	51057
26	51531	50347	51057	52722	64857	67930	50110	46698	55419	53210	52004	51057
27	51531	50347	51057	53210	65131	67650	49421	47366	55419	53210	52004	51057
28	51531	50584	51057	53698	65404	66577	48272	48042	55419	52966	52004	51057
29	51531	---	51057	54185	65685	65965	47143	48731	55168	52966	52004	51057
30	51531	---	51057	54673	65965	64857	46029	49421	54917	52966	52004	51057
31	51294	---	51057	---	66246	---	44719	50110	---	52966	---	51057

Appropriations: A-4923A

PLATTE RIVER BASIN
(LOUP RIVER)

FARWELL "MAIN" CANAL from Sherman Reservoir - 1987
Gage Location: NW1/4SW1/4 Sec. 1-15-14 W.
below Sherman Reservoir
Measuring Device: Stage recorder and six orifice gates
Period of Record: 1964-1987

Date	May	June	July	Aug.	Sept.
1	0	0	504	378	0
2	0	0	504	369	0
3	0	0	504	378	0
4	0	0	486	393	0
5	0	0	480	406	0
6	0	0	444	393	0
7	0	0	395	326	0
8	0	64	336	134	0
9	0	112	268	58	0
10	0	112	227	67	0
11	0	116	221	71	0
12	0	118	224	75	0
13	0	120	300	76	0
14	0	132	372	76	0
15	0	148	393	75	0
16	0	175	420	78	0
17	0	183	433	86	0
18	0	186	420	82	0
19	0	169	411	65	0
20	0	161	383	59	0
21	0	161	369	59	0
22	0	214	383	59	0
23	0	295	383	60	0
24	0	349	393	60	0
25	0	405	398	18	0
26	0	416	398	0	0
27	0	420	406	0	0
28	0	424	429	0	0
29	0	438	437	0	0
30	0	483	437	0	0
31	0	---	416	0	---
Total	0	5401	12174	3901	0
Mean	0	180	393	126	0
Max.	0	483	504	406	0
Min.	0	0	221	0	0
A.F.	0	10710	24150	7740	0
Total 5 Months	--	42600	A.F.		

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

FARWELL "SOUTH" CANAL from Sherman Reservoir - 1987
Gage Location: NW1/4SW1/4 Sec. 1-15-14 W.
below Sherman Reservoir
Measuring Device: Stage recorder and four orifice gates
Period of Record: 1965-1987

Date	May	June	July	Aug.	Sept.
1	0	286	249	190	28
2	0	303	249	128	0
3	0	312	257	110	0
4	0	315	257	112	0
5	0	315	249	105	0
6	0	284	241	78	0
7	0	264	200	68	0
8	36	219	86	57	0
9	60	165	46	50	0
10	60	141	46	49	0
11	60	144	46	45	0
12	69	144	46	45	0
13	78	156	46	43	0
14	80	177	46	42	0
15	84	196	46	41	0
16	104	236	46	42	0
17	111	268	46	43	0
18	111	242	49	53	0
19	118	220	51	55	0
20	121	211	49	58	0
21	121	214	49	59	0
22	121	223	54	62	0
23	143	249	57	62	0
24	183	260	57	62	0
25	194	257	17	76	0
26	206	257	0	99	0
27	230	257	0	106	0
28	241	265	0	111	0
29	248	268	0	109	0
30	272	268	0	99	0
31	0	---	0	97	---
Total	3051	7116	2585	2356	28
Mean	98	237	83	76	1
Max.	272	315	257	190	28
Min.	0	141	0	41	0
A.F.	6050	14110	5130	4670	60
Total 5 Months	--	30020	A.F.		

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

FARWELL MAIN and SOUTH CANALS combined flow monthly summary - 1987
NW1/4SW1/4 Sec. 1-15-14 W. below Sherman Reservoir
Period of Record: 1965 - 1987

	May	June	July	Aug.	Sept.	Total (Acre-Feet)
Farwell Main Canal	0	10710	24150	7740	0	42600
Farwell South Canal	6050	14110	5130	4670	60	30020
Total	6050	24820	29280	12410	60	72620

PLATTE RIVER BASIN
(LOUP RIVER)

TAYLOR-ORD CANAL from North Loup River - 1987
Gage Location: NE1/4NE1/4 Sec. 20-21-18W.
near Taylor
Measuring Device: Stage recorder and concrete flume
Period of Record: 1939-1943, 1947-1987

Date	May	June	July	Aug.	Sept.
1	0	41	186	205	83
2	0	37	186	206	79
3	0	37	193	206	75
4	0	20	196	200	75
5	0	0	196	200	74
6	0	0	195	191	77
7	0	0	191	189	65
8	0	6	187	156	64
9	0	41	175	130	51
10	0	42	147	116	48
11	50	39	156	119	43
12	41	51	53	113	42
13	43	52	63	112	46
14	45	57	56	115	43
15	52	53	59	103	15
16	46	49	68	106	0
17	42	49	110	113	0
18	42	58	134	131	0
19	48	70	128	149	0
20	43	68	130	148	0
21	42	88	140	149	0
22	42	93	152	149	0
23	41	109	171	147	0
24	40	112	179	147	0
25	41	120	188	128	0
26	42	137	192	115	0
27	39	160	198	94	0
28	34	175	203	82	0
29	42	182	203	85	0
30	41	176	203	91	0
31	42	---	204	88	---
Total	898	2122	4842	4283	880
Mean	29	71	156	138	29
Max.	52	182	204	206	83
Min.	0	0	53	82	0
A.F.	1780	4210	9600	8500	1750
Total 5 Months	--	--	25840	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

TAYLOR-ORD SPILLWAY at mile 33.90 - 1987
Gage Location: SW1/4SW1/4 Sec. 10-19-14W.
near Ord
Measuring Device: Stage recorder and 3 ft. weir
Period of Record: 1956-1978, 1985-1987

Date	May	June	July	Aug.	Sept.
1	0	0	2	2	4
2	0	0	2	3	4
3	0	0	1	3	4
4	0	0	1	3	4
5	0	0	1	3	4
6	0	0	2	3	4
7	0	0	2	4	4
8	0	0	3	4	4
9	0	0	3	4	4
10	0	0	3	4	4
11	0	0	3	4	4
12	0	0	1	4	4
13	0	0	0	4	4
14	0	0	0	4	4
15	0	1	0	4	4
16	0	2	0	4	2
17	0	2	0	4	0
18	0	2	0	3	0
19	0	2	2	4	0
20	0	3	2	4	0
21	0	3	2	4	0
22	0	2	3	4	0
23	0	3	3	4	0
24	0	2	3	4	0
25	0	1	4	5	0
26	0	2	3	5	0
27	0	2	2	5	0
28	0	2	0	4	0
29	0	2	1	4	0
30	0	2	2	4	0
31	0	---	1	4	---
Total	0	33	52	119	62
Mean	0	1	2	4	2
Max.	0	3	4	5	4
Min.	0	0	0	2	0
A.F.	0	70	100	240	120
Total 5 Months	--	--	530	A.F.	--

TAYLOR-ORD SPILLWAY at mile 34.06 - 1987
Gage Location: NW1/4SW1/4 Sec. 17-19-14W.
near Ord
Measuring Device: Stage recorder and 6 ft. weir
Period of Record: 1956-1978, 1985-1987

Date	May	June	July	Aug.	Sept.
1	0	18	2	5	20
2	0	16	0	5	19
3	0	13	1	6	17
4	0	11	6	7	17
5	0	16	6	7	17
6	0	4	8	12	17
7	0	2	10	13	16
8	0	0	12	14	15
9	0	0	15	16	16
10	0	0	14	14	15
11	0	0	10	13	14
12	0	2	1	14	17
13	20	9	0	18	17
14	35	12	0	19	16
15	19	12	0	20	13
16	16	9	0	20	0
17	16	7	0	16	0
18	19	4	6	2	0
19	18	4	18	8	0
20	14	7	15	14	0
21	12	15	8	15	0
22	9	15	6	13	0
23	9	7	5	14	0
24	11	10	1	15	0
25	13	9	3	21	0
26	14	6	5	23	0
27	16	4	5	21	0
28	15	6	5	17	0
29	13	7	6	18	0
30	12	4	6	20	0
31	14	---	6	20	---
Total	295	231	180	440	246
Mean	10	8	6	14	8
Max.	35	18	18	23	20
Min.	0	0	0	2	0
A.F.	590	460	360	870	490
Total 5 Months	--	--	2770	A.F.	--

PLATTE RIVER BASIN
(LOUP RIVER)

CALAMUS RESERVOIR from Calamus River - 1987
Gage Location: NE1/4SW1/4 Sec. 31-22-16 W.
near Burwell
Measuring Device: Stage recorder
Period of Record: 1985-1987

STORAGE LEVEL		ELEVATION (Feet)		CONTENT (Acre-feet)								
Top of conservation pool		2244.0		127400								
Top of dead storage pool		2185.0		817								
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	72572	72751	74370	89912	90646	93081	92375	91425	89142	87774	101573	108197
2	72536	72858	74551	89993	90687	92914	92499	91320	88980	88295	102059	108151
3	72608	72751	75169	90442	90851	92665	92416	91220	88778	88657	102547	108151
4	72608	72751	75974	90851	91097	92540	92458	91138	88738	88940	103036	107967
5	72605	72822	76488	91220	91302	92499	92458	91138	88657	89546	103882	108059
6	72751	72822	77005	91590	91466	92458	92458	91220	88517	89628	103885	108197
7	72697	72929	77561	91672	91590	92458	92499	91302	88577	90075	104333	108073
8	72715	72929	78194	91755	91672	92458	92499	91384	88657	90523	104919	108151
9	72751	72929	78567	91837	91714	92375	92499	91425	88617	90974	105660	108289
10	72751	73001	78867	91755	91796	92748	92458	91425	88577	91466	105823	108427
11	72751	73073	79280	91755	91420	92997	92375	91302	88496	91672	106308	108427
12	72751	73144	79695	91590	91837	93039	92499	91220	88335	91837	106778	108381
13	72786	73216	79959	91961	91714	92997	92458	91179	88255	92665	107326	108427
14	72786	73216	80604	92044	91920	92997	92458	91097	88014	93122	107738	108520
15	72751	73288	81137	92002	91837	92914	92582	90933	87894	93581	108335	108427
16	72751	73324	81557	92168	91714	92873	92458	90851	87934	94126	108750	108427
17	72751	73396	82825	92250	91755	92873	92375	90810	88135	94630	108658	108427
18	72751	73324	83755	92044	92250	92706	92416	90646	87814	95136	108520	108427
19	72894	73324	84015	92002	92250	92665	92416	90523	87814	95602	108520	108381
20	72822	73324	84753	92085	92292	92540	92416	90197	87734	96111	108474	108289
21	72822	73396	85632	91920	92582	92582	92416	90156	87614	96282	108427	108351
22	72822	73360	86461	91466	92416	92582	92416	90034	87495	96794	108427	108289
23	72751	73324	87415	91363	92416	92623	92416	89790	87734	97222	108335	108197
24	72751	73216	88095	91097	92416	92499	92250	89506	87694	97651	108243	108197
25	72751	73324	89182	91056	92582	92623	92250	89668	87814	98168	108243	108197
26	72751	73468	88899	91015	93081	92582	92250	89912	87554	98730	108243	108197
27	72751	73684	88980	90769	93164	92540	92209	89705	87524	99164	108243	108197
28	72751	74334	89384	90728	93247	92458	92002	89628	87574	99686	108289	108197
29	72822	---	89384	90728	93331	92540	92002	89546	87694	100079	108243	108197
30	72751	---	88778	90523	93206	92458	91755	89384	87574	100605	108243	108197
31	72751	---	89182	---	93081	---	91590	89222	---	101000	---	108335

Appropriations: A-9517

MIRDAN CANAL from Calamus Reservoir - 1987
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

Date	April	May	June	July	Aug.	Sept.
1	0	0	0	0	42	29
2	0	0	0	4	39	33
3	0	0	0	57	39	26
4	0	0	0	37	37	41
5	0	0	0	35	36	43
6	0	0	0	50	30	36
7	0	0	0	50	23	27
8	22	5	0	51	23	26
9	0	15	0	53	23	26
10	5	8	0	51	22	26
11	0	0	0	35	39	26
12	0	0	16	0	36	26
13	0	0	0	0	29	26
14	0	0	0	0	30	26
15	0	0	17	0	33	15
16	0	21	0	0	24	0
17	0	20	0	11	25	0
18	35	0	17	22	23	0
19	10	0	27	24	26	0
20	0	0	32	26	30	0
21	12	0	32	30	36	0
22	5	0	0	30	39	0
23	0	10	7	34	29	0
24	0	0	26	46	28	0
25	27	0	34	53	30	0
26	0	0	34	51	25	0
27	0	0	41	51	21	0
28	0	0	36	53	21	0
29	58	12	15	49	21	0
30	39	0	0	43	21	0
31	---	0	---	45	21	---
Total	213	91	334	991	880	432
Mean	7	3	11	32	29	16
Max.	58	21	41	57	42	43
Min.	0	0	0	0	21	0
A.F.	420	180	660	1970	1750	860
Total 6 Months	---	---	5840	A.F.	---	---

Appropriations: A-9642, A-15089

PLATTE RIVER BASIN
(LOUP RIVER)

BURWELL-SUMTER CANAL from North Loup River - 1987
Gage Location: NE1/4NW1/4 Sec.19-21-15W.
near Burwell.
Measuring Device: Stage recorder and concrete flume
Period of Record: 1939-1943, 1947-1987

Date	May	June	July	Aug.	Sept.
1	0	22	115	109	25
2	0	22	113	110	24
3	0	23	115	107	20
4	0	24	116	109	20
5	0	24	114	107	20
6	60	15	113	104	20
7	44	2	111	85	20
8	43	1	106	62	20
9	43	1	95	52	20
10	43	2	84	51	16
11	36	1	81	41	16
12	31	9	79	40	16
13	32	38	60	36	16
14	33	34	77	36	16
15	34	32	79	35	18
16	34	34	83	36	17
17	35	39	102	39	14
18	36	41	104	51	4
19	35	46	82	54	0
20	36	56	76	54	0
21	36	66	61	52	0
22	35	72	63	52	0
23	35	78	79	53	0
24	34	87	96	52	0
25	36	90	96	52	0
26	33	93	105	37	0
27	38	28	104	32	0
28	43	91	109	33	0
29	29	102	112	33	0
30	26	109	111	29	0
31	24	---	111	29	---
Total	944	1282	2972	1772	322
Mean	30	43	96	57	11
Max.	60	109	116	110	25
Min.	0	1	61	29	0
A.F.	1870	2540	5890	3510	640
Total 55 Month	--	--	14450	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-12555, A-13402, A-13674, A-14566
A-14777, A-15935, A-16273

ORD-NORTH LOUP CANAL from North Loup River - 1987
Gage Location: NW1/4NE1/4 Sec. 36-19-14W.
near Ord
Measuring Device: Stage recorder and concrete flume
Period of Record: 1939-1943, 1947-1987

Date	May	June	July	Aug.	Sept.
1	0	24	101	96	16
2	0	24	100	96	16
3	0	24	101	95	14
4	33	24	100	92	15
5	26	24	95	92	15
6	13	23	95	86	16
7	14	24	95	82	15
8	17	23	93	64	14
9	21	20	83	52	14
10	21	21	80	53	13
11	22	20	76	50	13
12	22	19	71	49	14
13	23	20	74	45	14
14	24	20	73	42	14
15	24	22	73	43	7
16	24	24	80	47	0
17	25	25	86	53	0
18	27	25	85	59	0
19	27	25	78	60	0
20	24	31	80	58	0
21	25	38	85	53	0
22	24	51	92	47	0
23	24	56	97	43	0
24	24	63	97	41	0
25	25	69	98	30	0
26	25	79	97	24	0
27	25	86	97	24	0
28	24	91	97	21	0
29	22	99	96	19	0
30	25	99	94	19	0
31	24	---	92	18	---
Total	654	1193	2761	1653	210
Mean	21	40	89	53	7
Max.	33	99	101	96	16
Min.	0	19	71	18	0
A.F.	1500	2370	5480	3280	420
Total 5 Months	--	--	12850	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

BURWELL-SUMTER SPILLWAY at mile 24.90 - 1987
Gage Location: SE1/4NE1/4 Sec. 20-19-13W.
near Ord
Measuring Device: Stage recorder and 3 ft. weir
Period of Record: 1956-1978, 1985-1987

Date	May	June	July	Aug.	Sept.
1	0	2	2	2	8
2	0	2	4	1	7
3	0	1	4	2	7
4	0	1	5	4	6
5	0	2	5	4	6
6	0	2	5	6	6
7	8	2	6	7	6
8	7	1	10	9	6
9	9	3	10	9	6
10	8	1	10	8	6
11	8	0	10	8	5
12	5	0	10	8	5
13	4	0	10	9	5
14	1	0	9	9	4
15	1	0	9	8	5
16	1	1	6	9	5
17	2	1	4	8	5
18	3	2	6	7	5
19	3	3	9	8	2
20	3	4	9	8	1
21	4	5	8	6	0
22	4	7	6	2	0
23	4	7	3	2	0
24	4	8	4	2	0
25	4	7	2	4	0
26	4	6	0	9	0
27	3	4	0	9	0
28	4	1	0	8	0
29	4	5	2	8	0
30	3	2	2	8	0
31	3	---	2	8	---
Total	104	80	172	200	106
Mean	3	3	6	6	4
Max.	9	8	10	9	8
Min.	0	0	0	1	0
A.F.	210	160	340	400	210
Total 5 Months	--	--	1320	A.F.	--

ORD-NORTH LOUP SPILLWAY at mile 16.69 - 1987
Gage Location: SW1/4NE1/4 Sec. 8-18-12W.
near North Loup
Measuring Device: Stage Recorder and 3 ft. weir
Period of Record: 1956-1978, 1985-1987

Date	May	June	July	Aug.	Sept.
1	0	5	2	3	9
2	0	6	2	3	8
3	0	6	2	3	7
4	0	6	6	3	7
5	1	6	5	5	7
6	5	7	11	6	7
7	2	6	12	8	8
8	1	7	12	9	8
9	2	6	12	7	7
10	2	6	9	10	8
11	2	6	10	10	5
12	2	5	8	9	6
13	1	5	6	6	6
14	3	6	5	5	5
15	3	5	7	4	5
16	4	7	4	2	2
17	1	8	6	1	1
18	2	8	10	1	1
19	3	7	9	4	1
20	2	5	8	6	1
21	2	7	9	10	1
22	2	5	7	11	0
23	2	6	3	8	0
24	2	5	2	9	0
25	4	9	3	10	0
26	3	3	5	5	0
27	3	5	5	5	0
28	4	6	2	12	0
29	3	8	1	11	0
30	3	2	1	9	0
31	6	---	2	9	---
Total	70	179	186	204	110
Mean	2	6	6	7	4
Max.	6	9	12	12	9
Min.	0	2	1	1	0
A.F.	140	360	370	400	220
Total 5 Months	--	--	1490	A.F.	--

PLATTE RIVER BASIN

(LOUP RIVER)

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-Feet--1987

	May	June	July	Aug.	Sept.	Total
Diversions:						
Taylor-Ord Canal	1780	4210	9600	8500	1750	25840
Burwell-Sumter Canal	1870	2540	5890	3510	640	14450
Ord-North Loup Canal	1300	2370	5480	3280	420	12850
Total diverted:	4950	9120	20970	15290	2810	53140
Returned through spillways:						
Taylor-Ord Mile 33.90	0	70	100	240	120	530
Taylor-Ord Mile 34.06	590	460	360	870	490	2770
Burwell-Sumter	210	160	340	400	210	1320
Ord-North Loup	140	360	370	400	220	1490
Total returned:	940	1050	1170	1910	1040	6110

PLATTE RIVER BASIN

(ELKHORN RIVER)

WILLOW CREEK RESERVOIR from Willow Creek - 1987
Gage Location: NW1/4SE1/4 Sec. 35-26-2 W. near Pierce
Measuring Device: Stage recorder
Period of Record: 1983 - 1987

	STORAGE LEVEL												ELEVATION (Feet)	CONTENT (Acre-Feet)
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
Top of flood pool													1637.8	10780
Top of conservation pool													1625.5	6890
Top of dead storage pool													1602.0	100
1	7060	7040	7160	8250	7160	7270	6760	5990	5650	5820	5900	6330		
2	7050	7050	7170	8200	7150	7220	6760	5950	5640	5800	5940	6370		
3	7060	7040	7180	8130	7130	7190	6730	5890	5640	5800	5970	6360		
4	7060	7040	7180	8020	7120	7180	6700	5840	5640	5800	5970	6360		
5	7060	7040	7180	7920	7150	7170	6680	5800	5630	5800	5990	6370		
6	7060	7060	7200	7810	7140	7150	6680	5790	5620	5780	6020	6380		
7	7060	7070	7210	7730	7140	7130	6660	5750	5620	5770	6030	6390		
8	7050	7080	7190	7640	7120	7110	6630	5760	5620	5770	6020	6420		
9	7060	7080	7170	7570	7110	7070	6620	5760	5610	5740	6030	6460		
10	7050	7080	7180	7490	7110	7070	6640	5740	5620	5740	6030	6500		
11	7060	7090	7180	7380	7100	7080	6630	5710	5620	5730	6050	6540		
12	7070	7080	7180	7380	7070	7080	6600	5670	5620	5760	6060	6570		
13	7080	7100	7180	7380	7080	7070	6590	5660	5620	5760	6060	6590		
14	7080	7090	7180	7440	7070	7050	6570	5630	5610	5750	6070	6600		
15	7050	7090	7180	7530	7060	7030	6570	5630	5610	5760	6090	6620		
16	7030	7090	7170	7590	7060	7000	6540	5600	5680	5760	6090	6620		
17	7030	7080	7350	7610	7050	6990	6500	5580	5760	5780	6120	6640		
18	7040	7090	7780	7580	7040	6980	6460	5600	5810	5780	6160	6660		
19	7040	7100	8470	7570	7040	6960	6460	5600	5820	5780	6160	6660		
20	7030	7100	8800	7480	7050	6980	6420	5670	5820	5780	6190	6680		
21	7040	7110	8830	7420	7070	6980	6380	5720	5820	5780	6200	6680		
22	7030	7100	8680	7380	7090	6980	6330	5690	5830	5780	6220	6710		
23	7010	7110	8770	7380	7120	6930	6270	5680	5840	5790	6240	6720		
24	6990	7120	9140	7330	7140	6900	6250	5670	5840	5790	6240	6710		
25	6990	7110	9490	7320	7170	6880	6260	5670	5840	5780	6240	6700		
26	7000	7130	9720	7300	7180	6870	6220	5690	5850	5820	6250	6710		
27	7010	7130	9720	7250	7200	6860	6190	5690	5850	5830	6260	6730		
28	7010	7140	9570	7230	7210	6840	6150	5690	5830	5850	6270	6730		
29	7020	---	9080	7220	7230	6800	6110	5700	5840	5870	6290	6740		
30	7030	---	8540	7170	7240	6780	6070	5660	5820	5890	6310	6750		
31	7040	---	8350	---	7250	---	6030	5650	---	5880	---	6770		

Appropriations: A-15989

PLATTE RIVER BASIN
(SALT CREEK)

OLIVE BRANCH LAKE (NO. 2) from Olive Branch Creek - 1987
Gage Location: Sec. 10-7-5 E. near Kramer
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1987

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, 1986	1520
January 31, 1987	1500
February 28, 1987	1480
March 31, 1987	1800
April 30, 1987	1520
May 31, 1987	1670
June 30, 1987	1620
July 31, 1987	1440
August 31, 1987	1420
September 30, 1987	1370
October 31, 1987	1320
November 30, 1987	1320
December 31, 1987	1310

Appropriations: A-10120

BLUE STEM LAKE (NO. 4) from a tributary to Salt Creek - 1987
Gage Location: Sec. 30-8-6 E. near Mirtell
Measuring Device: Stage Recorder
Period of Published Record: 1977 - 1987

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, 1986	3130
January 31, 1987	3100
February 28, 1987	3100
March 31, 1987	4040
April 30, 1987	3130
May 31, 1987	3260
June 30, 1987	3140
July 31, 1987	2920
August 31, 1987	3020
September 30, 1987	2930
October 31, 1987	2860
November 30, 1987	2850
December 31, 1987	2860

Appropriations: A-10025

WAGON TRAIN LAKE (NO. 8) from a tributary to Salt Creek - 1987
Gage Location: Sec. 36-8-7 E. near Holland
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1987

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, 1986	2560
January 31, 1987	2510
February 28, 1987	2520
March 31, 1987	2960
April 30, 1987	2560
May 31, 1987	3060
June 30, 1987	2550
July 31, 1987	2390
August 31, 1987	2430
September 30, 1987	2440
October 31, 1987	2420
November 30, 1987	2430
December 31, 1987	2480

Appropriations: A-10024

STAGE COACH LAKE (NO. 9) from South Branch Salt Creek - 1987
Gage Location: Sec. 4-7-7 E. near Hickman
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1987

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, 1986	1990
January 31, 1987	1950
February 28, 1987	1970
March 31, 1987	2380
April 30, 1987	1950
May 31, 1987	2340
June 30, 1987	2050
July 31, 1987	1930
August 31, 1987	1930
September 30, 1987	1930
October 31, 1987	1940
November 30, 1987	1850
December 31, 1987	1910

Appropriations: A-10119

PLATTE RIVER BASIN
(SALT CREEK)

YANKIE HILL LAKE (NO. 10) from Cardwell Branch Salt Creek - 1987
Gage Location: Sec 19-9-6 E. near Denton
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1987

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-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, 1986	2120
January 31, 1987	2090
February 28, 1987	2110
March 31, 1987	2720
April 30, 1987	2220
May 31, 1987	2190
June 30, 1987	2160
July 31, 1987	2010
August 31, 1987	2140
September 30, 1987	2050
October 31, 1987	2010
November 30, 1987	1940
December 31, 1987	1990

Appropriations: A-10430

CONESTOGA LAKE (NO. 12) from Holmes Creek - 1987
Gage Location: Sec. 10-9-5 E. near Denton
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1987

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-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, 1986	2730
January 31, 1987	2710
February 28, 1987	2720
March 31, 1987	3750
April 30, 1987	2850
May 31, 1987	2840
June 30, 1987	2770
July 31, 1987	2620
August 31, 1987	2700
September 30, 1987	2670
October 31, 1987	2710
November 30, 1987	2540
December 31, 1987	2590

Appropriations: A-10121

TWIN LAKES (NO. 13) from South Branch Middle Creek - 1987
Gage Location: Sec. 22-10-4 E. near Pleasant Dale
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1987

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-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, 1986	2660
January 31, 1987	2050
February 28, 1987	2070
March 31, 1987	3030
April 30, 1987	2890
May 31, 1987	3130
June 30, 1987	2840
July 31, 1987	2790
August 31, 1987	2870
September 30, 1987	2820
October 31, 1987	2790
November 30, 1987	2790
December 31, 1987	2810

Appropriations: A-10308

PAWNEE LAKE (NO. 14) from North Branch Middle Creek - 1987
Gage Location: Sec. 16-10-5 E. near Emerald
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1987

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	1263.5	29450
Top of conservation pool	1244.5	8500
Top of dead storage pool	1233.0	2460

Date	Contents (acre-feet)
December 31, 1986	8720
January 31, 1987	8760
February 28, 1987	8660
March 31, 1987	9940
April 30, 1987	8910
May 31, 1987	9120
June 30, 1987	8600
July 31, 1987	8550
August 31, 1987	8790
September 30, 1987	8630
October 31, 1987	8650
November 30, 1987	7360
December 31, 1987	7720

Appropriations: A-10176

PLATTE RIVER BASIN
(SALT CREEK)

ANTELOPE LAKE (HOLMES PARK NO. 17) from Antelope Creek - 1987
Gage Location: Sec. 4-9-7 E. in Lincoln
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1987

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	1266.0	6750
Top of conservation pool	1242.5	1050
Top of dead storage pool	1239.0	720

Date	Contents (acre-feet)
December 31, 1986	727
January 31, 1987	863
February 28, 1987	887
March 31, 1987	1050
April 30, 1987	946
May 31, 1987	1010
June 30, 1987	932
July 31, 1987	866
August 31, 1987	973
September 30, 1987	927
October 31, 1987	907
November 30, 1987	737
December 31, 1987	787

Appropriations: A-9972

BRANCHED OAK LAKE (NO. 18) from Oak Creek - 1987
Gage Location: Sec. 34-12-5 E. near Raymond
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1987

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	1311.5	97000
Top of conservation pool	1284.0	26000
Top of dead storage pool	1276.3	14500

Date	Contents (acre-feet)
December 31, 1986	25560
January 31, 1987	26610
February 28, 1987	26650
March 31, 1987	30560
April 30, 1987	27840
May 31, 1987	28120
June 30, 1987	26660
July 31, 1987	26080
August 31, 1987	30450
September 30, 1987	27320
October 31, 1987	26720
November 30, 1987	23670
December 31, 1987	23840

Appropriations: A-10309

OAK CREEK at Lincoln - 1987
Gage Location: NE1/4NE1/4 Sec. 7-10-6 E.
Measuring Device: Stage recorder
Period of Record: 1987

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1987, 5430 cubic feet per second at 0100 hours on August 26, 1987 at a gage height of 17.06 feet.
Minimum daily discharge, 18 cubic feet per second on August 2 - 3, 1987.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1						250	61	20	381	78	76	121	
2						460	69	18	325	77	64	48	
3						250	71	18	284	74	80	41	
4						203	68	19	255	69	302	116	
5						187	65	22	216	66	151	127	
6						172	57	40	191	66	103	127	
7						157	58	55	170	62	107	124	
8						146	81	78	170	60	111	127	
9						139	171	86	217	58	112	69	
10						137	91	64	302	55	110	57	
11						137	78	27	175	52	110	45	
12						141	74	26	160	52	112	41	
13						144	74	71	147	51	115	35	
14						116	70	34	133	46	113	37	
15						104	67	36	171	52	121	40	
16							98	64	37	516	50	129	39
17							93	57	34	360	50	127	42
18							129	53	35	282	44	122	37
19							91	49	41	196	44	119	35
20							90	47	65	154	45	115	37
21							91	42	45	136	44	116	38
22						116	87	41	38	123	41	120	35
23						102	84	34	36	116	42	120	38
24						100	84	31	31	108	40	119	35
25						106	85	31	2500	102	44	117	38
26						202	79	33	3800	97	44	116	30
27						534	72	35	1390	93	58	122	41
28						303	71	29	864	107	56	133	38
29			---			205	69	26	677	91	49	136	36
30			---			457	63	22	600	81	49	134	30
31			---	---		308	---	22	464	---	60	---	31
Total						2433	4029	1773	11271	5859	1678	3632	1735
Mean						78	134	57	364	195	54	121	56
Max.						534	460	171	5800	516	78	302	127
Min.						0	63	22	18	81	40	64	30
A.F.						4830	7990	3520	22360	11620	3330	7200	3460
Total 6 Months						---	64290	A.F.					

Note: Record began May 22, 1987.

REPUBLICAN RIVER BASIN

HAIGLER CANAL from Republican River - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	14	11	16
2	0	15	0	23	22
3	0	18	0	24	24
4	0	18	0	22	23
5	0	18	0	15	18
6	0	18	0	15	21
7	0	27	12	18	22
8	0	27	16	21	22
9	39	27	15	25	22
10	39	20	17	28	22
11	25	17	19	24	21
12	6.3	22	20	21	21
13	0	20	21	22	21
14	0	18	21	24	21
15	23	26	24	25	21
16	32	34	24	23	22
17	32	34	23	19	22
18	31	34	23	18	23
19	29	28	23	19	22
20	22	22	22	20	21
21	10	25	21	21	21
22	1	25	20	22	22
23	0	23	17	26	22
24	0	24	18	30	22
25	0	21	21	33	22
26	0	19	20	29	22
27	0	17	15	28	21
28	0	20	15	26	20
29	0	20	14	24	19
30	0	17	12	23	19
31	0	---	11	18	---
Total	291.3	652	478	697	637
Mean	9	22	15	22	21
Max.	39	34	24	33	24
Min.	0	0	0	11	16
A.F.	580	1290	950	1360	1260
Total 5 Months	---	---	5460	A.F.	---

Data furnished by the State of Colorado. October and November data not available.

HAIGLER CANAL from Republican River - 1987
 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: 1985-1987

Date	May	June	July	Aug.	Sept.	Oct.	Nov.
1	0	0	12	6.8	13	15	15
2	0	6.2	1.2	8.3	16	16	16
3	0	15	0	14	18	16	16
4	0	15	0	18	16	16	16
5	0	17	0	9.7	14	14	16
6	0	17	0	10	18	13	15
7	0	18	3.1	11	18	13	12
8	0	20	14	14	18	13	12
9	32	24	8.9	19	19	13	12
10	33	16	8.9	23	20	13	5.1
11	19	17	10	18	20	13	0
12	15	21	15	14	19	13	0
13	0	20	20	14	18	13	0
14	0	17	18	14	18	13	0
15	6.8	20	20	18	18	13	0
16	27	27	20	17	19	12	0
17	26	29	18	13	20	12	0
18	29	29	18	12	20	12	0
19	14	25	18	12	18	13	0
20	21	19	12	12	17	13	0
21	12	22	7.5	16	18	13	0
22	1.2	23	7.5	18	20	14	0
23	0	21	5.7	17	20	14	0
24	0	21	8.9	21	19	16	0
25	0	19	15	23	18	18	0
26	0	17	13	19	18	16	0
27	0	16	9.5	22	18	16	0
28	0	12	9.3	24	18	16	0
29	0	16	8.9	20	15	14	0
30	0	12	7.5	20	15	14	0
31	0	---	7.3	16	---	14	---
Total	236	551.2	317.2	493.8	536	434	135.1
Mean	8	18	10	16	18	14	5
Max.	33	29	20	24	20	18	16
Min.	0	0	0	6.8	13	12	0
A.F.	470	1090	630	980	1060	860	270
Total 6 Months	---	---	5090	A.F.	---	---	---

Appropriations: D-1025

Note: Data provided by the State of Colorado.

HAIGLER CANAL SPILLBACK to Arikaree River - 1987
 Gage Location: NW1/4NW1/4 Sec. 31-1-42 W. near Haigler
 Measuring Device: Stage recorder and 4 ft. Parshall flume
 Period of Record: 1985, 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	8.7	0	7.6	8.5
2	0	0	3.8	0	7.5	9.3
3	0	7.5	0	0	5.4	9.1
4	0	13	0	0	7.8	7.5
5	0	11	0	0	8.1	7
6	0	7.2	0	0	8.3	6.2
7	0	8.1	0	0	11	6.4
8	0	9.7	4	0	11	7.2
9	17	13	3.5	0	11	6.6
10	19	16	1	0	11	6.4
11	14	11	0.2	0	11	6.2
12	13	15	0.2	0	10	6.2
13	0	14	0.6	0	10	3.9
14	0	14	2.1	0	9.7	0.1
15	0	13	2.8	0	11	0
16	14	16	3	0.1	10	0
17	8.3	17	2.6	0	11	0
18	12	26	1.9	0	11	0.2
19	4.9	4.2	0.6	0	12	0
20	14	6.1	2.1	0	12	0
21	11	7.6	0.3	0	11	0.1
22	0	7.3	0.1	0	12	0.4
23	0	7.5	0	0	12	2.6
24	0	11	0	0.1	12	4.4
25	0	13	0	3.2	11	5.4
26	0	12	0	4.7	11	6.4
27	0	11	0	15	11	5.7
28	0	7.8	0	12	11	6
29	0	12	0	13	9.5	5.4
30	0	9.3	0	13	8.7	3.8
31	0	---	0	11	---	2.5
Total	135.2	320.3	37.5	72.1	305.6	133.5
Mean	4.4	10.7	1.2	2.3	10.2	4.3
Max.	19	26	8.7	15	12	9.3
Min.	0	0	0	0	5.4	0
A.F.	270	640	70	140	610	260
Total 6 Months	---	---	1990	A.F.	---	---

Note: Data furnished by the State of Colorado.
 November data not available.

MEEKER-DRIFTWOOD CANAL from Republican River - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	186	276	101
2	0	0	179	275	108
3	0	0	176	263	97
4	0	0	176	254	28
5	0	0	176	245	0
6	0	0	189	242	0
7	0	0	193	201	0
8	0	0	178	182	0
9	0	0	172	182	0
10	0	0	167	182	0
11	0	71	164	195	0
12	0	52	164	201	0
13	0	40	202	208	0
14	0	40	250	205	0
15	0	61	272	202	0
16	0	70	276	202	0
17	0	71	253	202	0
18	0	80	241	205	0
19	0	90	240	195	0
20	0	90	241	188	0
21	0	90	248	159	0
22	0	107	256	146	0
23	0	147	261	146	0
24	0	186	261	135	0
25	0	107	261	114	0
26	0	206	260	100	0
27	0	203	260	89	0
28	0	203	279	77	0
29	0	200	295	74	0
30	0	290	298	74	0
31	0	---	283	78	---
Total	0	2406	7057	5497	334
Mean	0	80	228	177	11
Max.	0	290	298	276	108
Min.	0	0	164	74	0
A.F.	0	4770	14000	10900	660
Total 5 Months	---	---	30330	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-15805, A-15811

CHAMPION CANAL from Frenchman River - 1987
 Gage Location: NE1/4SE1/4 Sec. 24-5-40 W. near Champion
 Measuring Device: Stage recorder
 Period of Record: 1923, 1925, 1927 - 1928, 1933, 1938 - 1941, 1963 - 1987

Date	Jan.	Feb.	March	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.6	4.4	5.4	5	4.2	2.7	3.7	2	1.9	2.7	4.1	6.5
2	4.6	4.3	4.9	5.9	4.2	2.7	3.7	1.8	2	3	4.1	5.9
3	4.7	4	4.7	6.8	4.4	2.7	4	1.8	2	3.1	3	5.8
4	3.6	4	4.6	6.9	4.4	2.7	4	1.7	2	3.4	2.8	5.6
5	2.8	3.8	4.6	7.1	4	2.6	4	1.6	2	3.3	3.7	5.4
6	3.8	3.8	4.7	6.4	3.2	2.7	3.8	1.7	2	1	4	5.1
7	3.8	3.7	4.8	5.4	3.3	2.7	3.8	1.8	1.9	0	4.2	4.9
8	3.7	3.6	4.5	5.5	4.3	2.7	3.8	1.8	1.9	0	4.2	4.9
9	3.7	3.6	4.4	5.6	4.1	2.8	3.7	1.9	2	0	4.1	4.7
10	3.7	3.6	4.4	5.6	4	2.8	3.7	1.9	2	0	4	4.6
11	3.7	3.5	4.5	5.6	3.8	2.8	3.6	1.8	2.1	0	4	4.4
12	3.6	3.6	4.7	5.7	3.6	2.6	3.5	1.8	2.1	0	4	3.5
13	3.7	3.6	4.8	5.9	3.3	2.6	3.5	1.8	2.1	0	4.1	3.3
14	3.6	3.6	4.8	6.1	3.5	2.7	3.4	1.7	2.1	0	4	3.3
15	3.6	3.7	4.8	6.2	3.4	2.7	3.3	1.7	2.1	5.5	4	3.3
16	3.6	3.8	4.9	6.1	3.3	2.6	3.2	1.5	2.1	6.9	5.1	3.1
17	3.6	3.9	5	6	3.3	2.7	3	1.3	2	6.4	8.3	2.9
18	3.5	3.8	5.4	6	3.3	3.6	3.1	1.2	2	6.1	8.7	2.9
19	3.4	3.8	5.5	5.9	3.3	0	3	1.1	2	5.9	8.3	2.8
20	3.4	3.9	5.7	5.7	3.3	0	2.9	1	2.1	5.8	7.6	2.8
21	3.4	4	5.7	5.7	3	0	2.8	1	2	5.7	6.8	2.8
22	3.3	4	5.7	5.7	3	0	2.7	1	2	5.7	6.4	2.8
23	3.2	4	5.8	5.5	2.9	0	2.6	0.9	2.3	5.5	5.1	2.7
24	3.1	4	6.8	5.4	2.9	2.2	2.4	1	2.5	5.4	5	2.7
25	3	3.9	6.2	5.2	3	3.3	2.2	1	2.5	5.3	5.7	2.6
26	3	4.1	3.5	5	3	3.4	2.1	1.2	2.6	5.2	5.7	2.6
27	3	5.2	6.1	4.9	3	3.5	2.2	1.3	2.7	5.1	5.7	2.6
28	3	4.8	6	4.9	2.9	3.6	2.4	1.7	2.6	5.1	5.9	2.5
29	3	---	6.1	4.6	2.8	3.6	2.3	1.8	2.4	5	5.7	2.4
30	3	---	6.1	4.4	2.8	3.6	2.3	1.8	2.3	5	6.1	2.4
31	4.4	---	5.2	---	2.8	---	2.1	1.8	---	4.4	---	2.3
Total	110.1	110	160.3	170.7	106.3	72.6	96.8	47.4	64.3	110.5	154.4	114.1
Mean	3.6	3.5	5.2	5.7	3.4	2.4	3.1	1.5	2.1	3.6	5.1	3.7
Max.	4.7	5.2	6.8	7.1	4.4	3.6	4	2	2.7	6.9	8.7	6.5
Min.	2.8	0	3.5	4.4	2.8	0	2.1	0.9	1.9	0	2.8	2.3
A.F.	218	218	318	339	211	144	192	94	128	219	306	226
Total 12 Months	---	---	2610	A.F.	---	---	---	---	---	---	---	---

Appropriations: D-47

REPUBLICAN RIVER BASIN

CULBERTSON CANAL from Frenchman River - 1987
 Gage Location: SW1/4NE1/4 Sec. 32-5-33 W. near Pillsade
 Measuring Device: Stage recorder and Parshall flume
 Period of Record: 1920 - 1987

Date	Apr.	May	June	July	Aug.	Sept.
1	0	48	50	199	184	0
2	0	48	46	183	185	0
3	0	49	44	165	185	0
4	0	62	44	140	193	0
5	0	66	43	133	197	0
6	0	57	42	122	175	0
7	0	60	40	119	188	0
8	0	59	41	113	196	0
9	0	58	59	114	190	0
10	0	56	60	119	186	0
11	0	53	60	131	176	0
12	0	52	66	137	181	0
13	0	50	72	154	189	0
14	0	48	64	178	192	0
15	0	47	59	187	205	0
16	0	49	52	176	210	0
17	0	48	47	157	229	0
18	0	45	44	155	240	0
19	0	45	43	154	220	0
20	0	48	42	153	125	0
21	0	49	44	154	65	0
22	0	50	43	155	33	0
23	0	51	41	160	11	0
24	0	54	58	174	5	0
25	0	57	96	191	0	0
26	0	60	129	195	0	0
27	19	59	161	206	0	0
28	48	59	168	205	0	0
29	49	57	177	197	0	0
30	48	55	203	198	0	0
31	---	52	---	200	0	---
Total	164	1651	2138	5024	3960	0
Mean	5	53	71	162	128	0
Max.	49	66	203	206	240	0
Min.	0	45	40	113	0	0
A.F.	330	3270	4240	9960	7850	0
Total 6 Months	---	---	25650	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 - 1987
 Gage Location: SW1/4SE1/4 Sec. 25-4-29 W. near Red Willow
 Measuring Device: Stage recorder and orifice
 Period of Record: 1963 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	55	71	14
2	0	0	57	86	19
3	0	0	49	90	18
4	0	0	42	92	5.8
5	0	0	38	91	0
6	0	0	33	87	0
7	0	0	27	73	0
8	0	0	26	69	0
9	0	0	26	70	0
10	0	0	25	65	0
11	0	0	24	59	0
12	0	0	24	60	0
13	0	0	32	62	0
14	0	0	50	60	0
15	0	32	71	58	0
16	0	28	87	58	0
17	0	26	85	59	0
18	0	26	85	52	0
19	0	26	87	46	0
20	0	26	84	43	0
21	0	27	83	40	0
22	0	30	86	39	0
23	0	48	85	39	0
24	0	63	78	34	0
25	0	67	75	33	0
26	0	72	76	29	0
27	0	74	79	28	0
28	0	74	87	25	0
29	0	65	87	24	0
30	0	61	89	23	0
31	0	---	87	20	---
Total	0	745	1919	1685	56.8
Mean	0	25	62	54	2
Max.	0	74	89	92	19
Min.	0	0	24	20	0
A.F.	0	1480	3810	3340	110
Total 5 Months	---	---	8740	A.F.	---

Appropriations: A-3869CR, A-6216, A-6225J, A-10195, A-11532, A-12068, A-12201, A-13250, A-14156, A-14178, A-15806, A-15813

RIVERSIDE CANAL from Frenchman River - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	17	1.1	14	12
2	0	0	17	0.8	14	12
3	0	0	17	0.9	14	12
4	0	2.8	17	0.9	14	12
5	0	8.5	16	1.6	14	7
6	0	9.6	15	1.4	14	0
7	0	10	13	1.2	14	0
8	0	12	14	2	13	0
9	0	2.6	13	0.4	14	0
10	0	0	12	0.1	14	0
11	0	0	10	0	14	0
12	0	0	11	0	14	0
13	0	0	12	1.3	14	0
14	0	0	15	1.1	13	0
15	0	0	12	2.5	12	0
16	0	0	9.9	2.7	10	0
17	0	0	8.4	2.2	10	0
18	0	0	10	3.1	11	0
19	0	0.77	11	1.2	11	0
20	0	6.4	8	1.4	11	0
21	0	9.6	7.4	0.8	10	0
22	0	11	4.8	0.9	11	0
23	0	11	4.8	3.2	11	0
24	0	13	4.4	13	11	0
25	0	14	5.1	14	11	0
26	0	15	6	14	12	0
27	0	15	6	14	12	0
28	0	16	7.8	14	11	0
29	0	17	3.9	14	12	0
30	0	17	2.5	14	12	0
31	0	---	0.9	14	---	0
Total	0	191.27	311.9	141.8	372	55
Mean	0	6.4	10.1	4.6	12.4	1.8
Max.	0	17	17	14	14	12
Min.	0	0	0.9	0	10	0
A.F.	0	380	620	280	740	110
Total 6 Months	---	---	2130	A.F.	---	---

Appropriations: D-18, A-1674

BARTLEY CANAL from Republican River - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	40	46	98	32
2	0	26	50	98	44
3	0	26	43	94	45
4	0	26	38	93	13
5	0	26	37	92	0
6	0	25	24	87	0
7	0	25	20	52	0
8	0	27	18	33	0
9	0	29	17	33	0
10	0	31	17	33	0
11	0	32	17	39	0
12	0	31	17	42	0
13	0	31	23	40	0
14	0	30	32	28	0
15	0	28	29	24	0
16	0	26	56	24	0
17	0	26	77	42	0
18	0	20	84	51	0
19	0	16	84	49	0
20	0	15	99	47	0
21	0	14	109	57	0
22	0	16	102	61	0
23	0	19	92	61	0
24	0	25	87	70	0
25	0	27	85	73	0
26	0	38	85	66	0
27	0	44	93	53	0
28	0	45	102	39	0
29	0	39	104	35	0
30	0	33	106	35	0
31	0	---	102	34	---
Total	0	836	1895	1683	134
Mean	0	28	57	54	4
Max.	0	45	109	98	45
Min.	0	14	0	24	0
A.F.	0	1660	3760	3340	270
Total 5 Months	---	---	9030	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 - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	39	106	280	74
2	0	33	89	280	72
3	0	32	72	299	73
4	0	32	70	297	20
5	0	32	70	309	0
6	0	32	82	296	0
7	0	32	111	150	0
8	0	42	72	74	0
9	0	42	49	74	0
10	0	43	49	73	0
11	0	40	49	93	0
12	0	0	49	111	0
13	0	0	74	123	0
14	0	0	114	134	0
15	0	38	154	138	0
16	0	68	204	138	0
17	0	77	248	177	0
18	0	76	195	185	0
19	0	76	167	168	0
20	0	76	162	161	0
21	0	76	166	151	0
22	0	89	181	147	0
23	0	134	207	147	0
24	0	168	254	145	0
25	0	173	273	134	0
26	22	196	280	106	0
27	59	200	323	89	0
28	47	200	333	82	0
29	48	141	328	80	0
30	38	94	326	81	0
31	38	---	286	77	---
Total	252	2281	5143	4799	239
Mean	8	76	166	155	8
Max.	59	200	333	309	74
Min.	0	0	49	73	0
A.F.	500	4520	10200	9520	470
Total 5 Months	---	---	25210	A.F.	---

Appropriations: A-3869E, 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

NAPONEE CANAL from Republican River - 1987
 Gage Location: NE1/4NE1/4 Sec. 14-1-17 W.
 Below Harlan County Dam
 Measuring Device: Sparling Meter
 Period of Record: 1955 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	0	36	0
2	0	0	4.9	36	0
3	0	0	12	36	0
4	0	0	12	36	0
5	0	0	14	36	0
6	0	0	23	34	0
7	0	0	23	9.4	0
8	0	0	23	0	0
9	0	0	17	0	0
10	0	0	11	0	0
11	0	0	11	0	0
12	0	0	12	0	0
13	0	0	14	0	0
14	0	0	26	0	0
15	0	0	33	0	0
16	0	4.7	36	0	0
17	0	7.8	36	0	0
18	0	9.6	9.9	0	0
19	0	21	0	0	0
20	0	28	0	0	0
21	0	29	0	6.4	0
22	0	30	0	14	0
23	0	35	0	16	0
24	0	39	8.4	24	0
25	0	36	25	26	0
26	0	35	27	24	0
27	0	34	33	12	0
28	0	35	36	7.5	0
29	0	10	36	6	0
30	0	0	36	6	0
31	0	---	36	2.7	---
Total	0	354.1	555.2	368	0
Mean	0	12	18	12	0
Max.	0	39	36	36	0
Min.	0	0	0	0	0
A.F.	0	700	1100	730	0
Total 5 Months	---	---	2530	A.F.	---

Appropriations: A-4217, A-6620, A-6225M,
 A-9463, A-9722, A-10965,
 A-13269, A-16148, A-16156

FRANKLIN CANAL from Republican River - 1987
 Gage Location: NW1/4NE1/4 Sec. 11-1-17 W.
 Below Harlan County Dam
 Measuring Device: Stage recorder and orifice
 Period of Record: 1954 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	0	250	79
2	0	0	143	250	74
3	0	0	143	246	74
4	0	0	143	240	50
5	0	0	165	240	0
6	0	0	202	238	0
7	0	0	231	102	0
8	0	0	222	0	0
9	0	0	206	0	0
10	0	0	206	0	0
11	0	0	222	77	0
12	0	0	242	127	0
13	0	0	250	112	0
14	0	0	250	102	0
15	0	0	250	102	0
16	0	0	250	102	0
17	0	70	244	124	0
18	0	104	175	166	0
19	0	104	144	187	0
20	0	114	144	196	0
21	0	128	157	209	0
22	0	134	178	202	0
23	0	166	196	187	0
24	0	194	227	169	0
25	0	215	250	141	0
26	0	229	250	113	0
27	0	242	250	101	0
28	0	242	250	96	0
29	0	198	250	92	0
30	0	147	250	92	0
31	0	---	250	87	---
Total	0	2287	6340	4350	277
Mean	0	76	205	140	9
Max.	0	242	250	250	79
Min.	0	0	0	0	0
A.F.	0	4540	12580	8630	550
Total 5 Months	---	---	26300	A.F.	---

Appropriations: A-2691A, A-2691BR, A-4216, A-6221,
 A-6225D, A-8259, A-9623, A-9724,
 A-10964, A-12796, A-13268, A-14162,
 A-14163, A-15488, A-15518, A-16099,
 A-16108

FRANKLIN PUMP CANAL from Republican River - 1987
 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 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	0	47	0
2	0	0	0	45	0
3	0	0	0	44	0
4	0	0	0	45	0
5	0	0	8	45	0
6	0	0	21	43	0
7	0	0	36	8.3	0
8	0	0	40	0	0
9	0	0	40	0	0
10	0	0	41	0	0
11	0	0	42	0	0
12	0	0	42	0	0
13	0	0	37	0	0
14	0	0	32	0	0
15	0	0	31	0	0
16	0	11	30	0	0
17	0	16	26	0	0
18	0	15	0	5.2	0
19	0	15	0	16	0
20	0	14	0	15	0
21	0	14	0	14	0
22	0	22	11	5	0
23	0	35	17	0	0
24	0	40	26	0	0
25	0	40	33	0	0
26	0	40	32	0	0
27	0	39	39	0	0
28	0	39	44	0	0
29	0	14	45	0	0
30	0	0	44	0	0
31	0	---	44	0	---
Total	0	354	761	532.5	0
Mean	0	12	25	11	0
Max.	0	40	45	47	0
Min.	0	0	0	0	0
A.F.	0	700	1510	660	0
Total 5 Months	---	---	2870	A.F.	---

Appropriations: A-4227, A-6222, A-6225P, A-10962,
 A-15268, A-16150, A-16156

REPUBLICAN RIVER BASIN

COURTLAND CANAL from Republican River - 1987
 Gage Location: NE1/4NE1/4 Sec. 18-1-9 W.
 near Guide Rock
 Measuring Device: Stage recorder and orifice
 Period of Record: 1952 - 1987

Date	May	June	July	Aug.	Sept.
1	0	68	108	394	83
2	0	68	124	395	83
3	0	68	131	411	83
4	0	67	210	418	83
5	0	68	242	422	83
6	0	68	314	421	83
7	0	68	346	369	83
8	0	90	357	338	83
9	0	107	392	330	55
10	0	108	372	252	12
11	23	108	353	217	0
12	60	108	354	221	0
13	74	108	354	222	0
14	69	107	354	221	0
15	69	122	353	219	0
16	69	131	354	218	0
17	69	183	353	218	0
18	69	282	372	218	0
19	69	373	366	218	0
20	69	399	367	217	0
21	63	399	355	218	0
22	55	399	365	220	0
23	54	399	378	221	0
24	54	399	378	208	0
25	54	396	378	171	0
26	60	400	380	145	0
27	66	384	379	118	0
28	66	361	379	88	0
29	67	272	384	83	0
30	67	149	389	82	0
31	67	---	392	82	---
Total	1313	6259	10333	7575	731
Mean	42	209	333	244	24
Max.	74	400	392	422	83
Min.	0	67	108	82	0
A.F.	2600	12410	20500	15020	1450
Total 5 Months	---	---	51980	A.F.	---

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

COURTLAND CANAL from Republican River - 1987
 Gage Location: SW1/4SE1/4 Sec. 32-1-7 W.
 at Nebraska-Kansas State Line
 Measuring Device: Stage recorder and Parshall flume
 Period of Record: 1954 - 1987

Date	Apr.	May	June	July	Aug.	Sept.
1	0	22	45	79	333	59
2	0	27	46	103	334	58
3	0	36	46	110	345	57
4	0	36	43	180	356	57
5	0	16	44	221	363	60
6	0	9.2	45	282	367	60
7	0	6.3	45	324	335	60
8	0	4.7	43	334	304	60
9	0	0	72	366	290	66
10	0	14	76	350	225	20
11	0	58	82	325	182	17
12	0	92	76	319	189	20
13	0	45	79	319	193	17
14	0	40	78	314	195	27
15	0	39	89	305	193	14
16	0	40	97	301	190	0
17	0	40	131	297	186	0
18	0	49	238	299	183	0
19	0	46	329	297	184	0
20	0	45	355	304	184	0
21	0	43	357	312	185	0
22	0	34	353	322	186	0
23	0	33	347	340	194	0
24	0	34	343	335	187	0
25	0	34	354	333	156	0
26	0	35	350	331	122	0
27	0	45	332	333	92	0
28	1.9	45	345	327	66	0
29	12	46	290	325	61	0
30	7.5	46	137	326	60	0
31	---	46	---	330	60	---
Total	21.4	1106.2	5265	9043	6500	652
Mean	1	36	176	292	210	22
Max.	12	92	357	366	367	66
Min.	0	0	43	79	60	0
A.F.	40	2190	10440	17940	12890	1290
Total 6 Months	---	---	44790	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

SUPERIOR CANAL from Republican River - 1987
 Gage Location: NE1/4NW1/4 Sec. 8-1-9 W.
 near Guide Rock
 Measuring Device: Stage recorder and 12 ft. Parshall flume
 Period of Record: 1951 - 1987

Date	May	June	July	Aug.	Sept.
1	0	0	65	143	0
2	0	0	65	143	0
3	0	0	65	143	0
4	0	0	65	141	0
5	0	0	64	134	0
6	0	0	95	134	0
7	0	0	124	125	0
8	0	0	118	83	0
9	0	0	106	71	0
10	0	0	107	68	0
11	0	0	107	64	0
12	0	0	107	65	0
13	0	0	122	62	0
14	0	0	126	53	0
15	0	0	126	53	0
16	0	0	126	53	0
17	0	47	125	52	0
18	-0	81	135	52	0
19	0	77	136	52	0
20	0	94	128	60	0
21	0	104	127	64	0
22	0	123	126	65	0
23	0	132	126	66	0
24	0	131	126	51	0
25	0	133	126	21	0
26	0	133	127	0	0
27	0	132	126	0	0
28	0	129	126	0	0
29	0	112	130	0	0
30	0	74	138	0	0
31	0	---	143	0	---
Total	0	1502	3533	2020	0
Mean	0	50	114	65	0
Max.	0	133	143	143	0
Min.	0	0	64	0	0
A.F.	0	2980	7010	4010	0
Total 5 Months	---	---	14000	A.F.	---

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

**MISCELLANEOUS DISCHARGE
MEASUREMENTS OF
RIVERS AND STREAMS**

1987

CHEYENNE RIVER BASIN

69

(HAT 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>HAT CREEK</u>			<u>HAT CREEK</u>		
HAT CREEK, WEST BELOW WEST HAT CANAL SE1/4NE1/4 SEC. 16-32-55 W.	09/17/87	0.64	SOW BELLY CREEK BELOW JIM CREEK JUNCTION SE1/4SE1/4 SEC. 4-33-55 W.	09/17/87 09/25/87 09/30/87	0 0 0.57
HAT CREEK ABOVE COFFEE CANAL NW1/4NW1/4 SEC. 35-33-55 W.	09/17/87	1.6	SQUAW CREEK NORTH OF HARRISON NE1/4SE1/4 SEC. 36-34-57 W.	09/21/87	0
HAT CREEK AT COFFEE FLOOD CANAL SEC. 14-33-55 W.	09/17/87 09/25/87 09/30/87	0.04 1.5 1.4	CHERRY CREEK AT MERLO RESERVOIR SW1/4SE1/4 SEC. 29-33-54 W.	09/21/87	0
HAT CREEK BELOW COFFEE FLOOD CANAL SE1/4SE1/4 SEC. 11-33-55 W.	09/17/87	0.04	HAT CREEK NEAR MONTROSE NW1/4SW1/4 SEC. 18-34-54 W.	09/17/87 09/25/87 09/30/87 12/17/87	0 0 0 0
SOW BELLY CREEK BELOW SOW BELLY CANAL SE1/4SW1/4 SEC. 7-30-55 W.	09/17/87	2.2	ANTELOPE CREEK NEAR MONTROSE SW1/4NW1/4 SEC. 12-34-56 W.	09/21/87	0
SOW BELLY CREEK BELOW ANDREWS SUPPLY CANAL SE1/4SW1/4 SEC. 34-33-55 W.	09/17/87	2.2	HAT CREEK AT WASSERBURGER PUMP SEC. 24-34-55 W.	09/17/87	0
SOW BELLY CREEK ABOVE MONTGOMERY CANAL NE1/4SE1/4 SEC. 21-33-55 W.	09/17/87 09/25/87	1.2 0.31	HAT CREEK NEAR SEMROSKA CANAL SEC. 6-34-54 W.	09/17/87	0
SOW BELLY CREEK SEC. 17-33-55 W.	09/17/87 09/30/87	0 0.82	WHITE HEAD CREEK ABOVE HAT CREEK JUNCTION NE1/4NE1/4 SEC. 4-34-54 W.	09/17/87	0
PRAIRIE DOG CREEK NEAR HARRISON NW1/4SE1/4 SEC. 17-33-55 W.	09/17/87	0	HAT CREEK ON SOUTH LINE SEC. 28-35-54 W.	09/17/87	0
WARBONNET CREEK BELOW WARBONNET CANAL NW1/4SW1/4 SEC. 21-33-56 W.	09/21/87	1.1	HAT CREEK NEAR GEISERS BRIDGE SW1/4SE1/4 SEC. 28-35-54 W.	09/17/87	0
SOW BELLY CREEK BELOW ZIMMERMAN CANAL SEC. 34-33-55 W.	09/17/87	1.2	HAT CREEK NEAR ARDMORE, SOUTH DAKOTA NE1/4NW1/4 SEC. 22-35-54 W.	09/17/87 10/20/87	0 1.9
JIM CREEK ABOVE CALADONIA RESERVOIR SEC. 13-33-57 W.	09/21/87	0.12			
JIM CREEK ABOVE DOUT RESERVOIR HW1/4NW1/4 SEC. 18-33-56 W.	09/21/87	0.25			
JIM CREEK NEAR HARRISON SW1/4NW1/4 SEC. 8-33-56 W.	09/21/87	0			
JIM CREEK BELOW DOUT RESERVOIR SEC. 7-33-56 W.	09/21/87	0			
JIM CREEK AT JUNCTION WITH WARBONNET CREEK NW1/4SW1/4 SEC. 10-33-56 W.	09/21/87	0.57			
MONROE CREEK BELOW BIG MONROE CANAL SW1/4NE1/4 SEC. 33-33-56 W.	09/21/87	0.86			
MONROE CREEK ABOVE JORDAN RESERVOIR NW1/4NW1/4 SEC. 23-33-56 W.	09/21/87	0.38			
MONROE CREEK BELOW JORDAN RESERVOIR SEC. 13-33-56 W.	09/21/87	1.1			

WHITE 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>WHITE RIVER</u>			<u>WHITE RIVER</u>		
WHITE RIVER NEAR GLEN NE1/4NW1/4 SEC. 1-30-54 W.	07/28/87	0.74	DEAD HORSE CREEK NEAR CHADRON NW1/4NW1/4 SEC. 32-33-49 W.	07/27/87	1.1
DEEP CREEK NEAR GLEN SE1/4SE1/4 SEC. 32-31-53 W.	07/28/87	0.19	BIG BORDEAUX CREEK NW1/4NW1/4 SEC. 26-32-48 W.	07/27/87	0.11
SOLDIERS CREEK ABOVE FORT ROBINSON RESERVOIR NW1/4NW1/4 SEC. 4-31-53 W.	09/24/87	2.4	COTTONWOOD CREEK NEAR DUNLAP NE1/4NE1/4 SEC. 27-29-48 W.	07/30/87	0
SOLDIERS CREEK ABOVE FORT ROBINSON CANAL SW1/4NW1/4 SEC. 12-31-53 W.	09/24/87	0.51	WHITE CLAY CREEK NEAR RUSHVILLE SE1/4SE1/4 SEC. 2-33-45 W.	08/03/87	0
WHITE RIVER BELOW WHITNEY DIVERSION NE1/4NE1/4 SEC. 26-32-52 W.	09/24/87	5.8	WHITE CLAY CREEK AT WHITE CLAY SE1/4SE1/4 SEC. 24-35-45 W.	08/03/87	3.4
WHITE CLAY CREEK NEAR CRAWFORD NW1/4NE1/4 SEC. 2-31-52 W.	09/24/87	0.70	PINE CREEK NEAR RUSHVILLE SW1/4SW1/4 SEC. 27-30-44 W.	06/26/87	15
SQUAW CREEK ABOVE SQUAW CREEK RESERVOIR SE1/4SE1/4 SEC. 12-31-52 W.	09/24/87	0.10	RUSH CREEK NEAR RUSHVILLE SE1/4SE1/4 SEC. 10-31-44 W.	06/26/87	0
LITTLE COTTONWOOD CREEK NEAR PINE BUTTE NE1/4NW1/4 SEC. 8-32-53 W.	07/13/87	0.63			
LITTLE COTTONWOOD CREEK NEAR FORT ROBINSON SW1/4NE1/4 SEC. 8-32-52 W.	07/13/87	0.98			
SAND CREEK NEAR FORT ROBINSON NE1/4NE1/4 SEC. 34-33-53 W.	07/13/87	0.15			
SPRING CREEK NEAR FORT ROBINSON SW1/4SW1/4 SEC. 20-32-52 W.	07/13/87	0			
SPRING CREEK NEAR CRAWFORD NE1/4NE1/4 SEC. 13-32-52 W.	07/13/87	0			
LITTLE COTTONWOOD CREEK NEAR CRAWFORD NE1/4NE1/4 SEC. 8-32-51 W.	07/13/87	0			
WHITE RIVER BELOW RASHER CANAL SEC. 19-32-51 W.	06/29/87	29			
ASH CREEK, EAST, ABOVE BARRON CANAL NE1/4SW1/4 SEC. 32-32-50 W.	10/15/87 11/23/87	1.9 2.0			
ASH CREEK, EAST, BELOW BARRON CANAL SW1/4NW1/4 SEC. 32-32-50 W.	11/24/87 11/24/87 11/25/87	0.18 0.49 0.18			
ASH CREEK NEAR WHITNEY NW1/4NW1/4 SEC. 7-32-50 W.	07/27/87	0.86			
INDIAN CREEK NEAR WHITNEY SE1/4SW1/4 SEC. 16-32-50 W.	07/27/87	1.4			
INDIAN CREEK NEAR WHITNEY SW1/4NW1/4 SEC. 4-32-50 W.	07/27/87	1.4			
BIG COTTONWOOD CREEK NEAR WHITNEY SW1/4SW1/4 SEC. 22-33-50 W.	07/27/87	0.36			

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>MIDDLE REACH OF THE NIOBRARA RIVER</u>		
STEER CREEK NEAR CODY SE1/4SW1/4 SEC. 28-32-34 W.	07/07/87	0	LONG PINE CREEK, TRIBUTARY TO, NEAR LONG PINE SE1/4NE1/4 SEC. 18-29-21 W.	10/29/87	0
DIAMOND BAR DRAINAGE DITCH NEAR NENZEL NW1/4NE1/4 SEC. 11-31-34 W.	07/07/87	0.27	LONG PINE CREEK, TRIBUTARY TO, NEAR LONG PINE NW1/4SW1/4 SEC. 13-29-21 W.	10/29/87	0.18
DIAMOND BAR DRAINAGE DITCH NEAR NENZEL NW1/4NW1/4 SEC. 9-31-33 W.	06/22/87	0.02	LONG PINE CREEK NEAR LONG PINE NE1/4NE1/4 SEC. 24-29-21 W.	10/29/87	4.6
NIOBRARA RIVER SOUTH OF HARRISON SW1/4NE1/4 SEC. 9-29-56 W.	07/28/87	3.5	LONG PINE CREEK NEAR LONG PINE SW1/4NW1/4 SEC. 20-29-20 W.	06/25/87 10/29/87	14 11
BOX BUTTE CREEK NEAR DUNLAP NW1/4NW1/4 SEC. 16-28-46 W.	06/26/87	0.05	LONG PINE CREEK NEAR LONG PINE SE1/4NE1/4 SEC. 7-29-20 W.	10/29/87	30
SNAKE CREEK ABOVE KILPATRICK RESERVOIR NW1/4SE1/4 SEC. 31-25-51 W.	08/03/87	0	LONG PINE CREEK NEAR LONG PINE SE1/4SE1/4 SEC. 31-30-20 W.	10/29/87	43
ANTELOPE CREEK NEAR GORDON NE1/4SE1/4 SEC. 13-33-42 W.	05/11/87	0	LONG PINE CREEK AT LONG PINE NE1/4NW1/4 SEC. 30-30-20 W.	10/29/87	55
ANTELOPE CREEK, TRIBUTARY TO, NEAR GORDON SE1/4SE1/4 SEC. 22-33-42 W.	05/11/87	0	LONG PINE CREEK NEAR LONG PINE NW1/4SW1/4 SEC. 17-30-20 W.	10/28/87	65
ANTELOPE CREEK NW1/4NW1/4 SEC. 32-33-41 W.	05/11/87	0	WILLOW CREEK NEAR AINSWORTH NW1/4NW1/4 SEC. 31-30-21 W.	10/28/87	0
ANTELOPE CREEK SOUTHWEST OF GORDON SE1/4SE1/4 SEC. 21-32-40 W.	06/11/87	1.1	WILLOW CREEK NEAR AINSWORTH NW1/4NW1/4 SEC. 4-29-21 W.	10/28/87	0.12
<u>MIDDLE REACH OF THE NIOBRARA RIVER</u>			WILLOW CREEK NEAR LONG PINE NE1/4SE1/4 SEC. 27-30-21 W.	10/28/87	1.2
GORDON CREEK NEAR WHITMAN NW1/4NE1/4 SEC. 21-29-36 W.	07/15/87	4.7	WILLOW CREEK NEAR LONG PINE NE1/4SE1/4 SEC. 25-30-21 W.	10/28/87	1.4
BETSY CARVER CREEK NEAR WHITMAN NE1/4SW1/4 SEC. 8-28-36 W.	07/15/87	1.1	WILLOW CREEK, TRIBUTARY TO, NEAR LONG PINE SW1/4SW1/4 SEC. 23-30-21 W.	10/28/87	0
BETSY CARVER CREEK, TRIBUTARY TO, NEAR WHITMAN SE1/4NE1/4 SEC. 18-28-36 W.	07/15/87	0.27	WILLOW CREEK, TRIBUTARY TO, NEAR LONG PINE SW1/4NW1/4 SEC. 24-30-21 W.	10/28/87	0
BETSY CARVER CREEK NEAR WHITMAN SE1/4NW1/4 SEC. 5-28-35 W.	07/15/87	1.1	WILLOW CREEK NEAR LONG PINE NW1/4NW1/4 SEC. 19-30-20 W.	10/28/87	2.1
BETSY CARVER CREEK NEAR WHITMAN SE1/4NW1/4 SEC. 24-29-35 W.	07/15/87	0	WILLOW CREEK AT CAMP WITNESS SW1/4NW1/4 SEC. 17-30-20 W.	10/28/87	4.5
SCHLAGEL CREEK NEAR BIG ALKALI LAKE SW1/4SE1/4 SEC. 5-31-28 W.	05/21/87	18	LONG PINE CREEK NEAR LONG PINE SW1/4SW1/4 SEC. 32-31-20 W.	10/28/87	86
SCHLAGEL CREEK NEAR VALENTINE NE1/4NE1/4 SEC. 10-32-28 W.	05/21/87	25	LONG PINE CREEK NEAR LONG PINE SE1/4NE1/4 SEC. 29-31-20 W.	10/28/87	92
LONG PINE CREEK, TRIBUTARY TO, NEAR LONG PINE NW1/4NW1/4 SEC. 35-29-21 W.	10/29/87	0	LONG PINE CREEK NEAR PINE GLENN SW1/4SW1/4 SEC. 8-31-20 W.	10/28/87	0
LONG PINE CREEK, TRIBUTARY TO, NEAR LONG PINE NW1/4NW1/4 SEC. 24-29-21 W.	10/29/87	0	LONG PINE CREEK NEAR PINE GLENN NW1/4NW1/4 SEC. 8-31-20 W.	10/28/87	100

<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 NIOBRARA RIVER</u>			<u>MIDDLE REACH OF THE NIOBRARA RIVER</u>		
EAST BONE CREEK NEAR AINSWORTH SW1/4SW1/4 SEC. 3-29-22 W.	10/28/87	0	SAND DRAW NEAR AINSWORTH SE1/4NE1/4 SEC. 32-31-22 W.	10/28/87	8.4
EAST BONE CREEK NEAR AINSWORTH SE1/4SW1/4 SEC. 34-30-22 W.	10/28/87	0	SAND DRAW NEAR AINSWORTH NE1/4NE1/4 SEC. 26-31-22 W.	10/28/87	10
EAST BONE CREEK NEAR AINSWORTH SW1/4NW1/4 SEC. 35-30-22 W.	10/28/87	0	SAND DRAW, ABOVE AINSWORTH IRRIGATION WASTEWAY NW1/4NW1/4 SEC. 29-31-21 W.	06/25/87 10/28/87	12 14
EAST BONE CREEK AT AINSWORTH SW1/4SW1/4 SEC. 23-30-22 W.	10/28/87	0.42	BONE CREEK NEAR AINSWORTH SW1/4NE1/4 SEC. 10-31-21 W.	10/28/87	54
WEST BONE CREEK NEAR AINSWORTH NE1/4NE1/4 SEC. 1-29-23 W.	10/28/87	0	BONE CREEK NEAR LONG PINE SE1/4SE1/4 SEC. 6-31-20 W.	10/28/87	54
WEST BONE CREEK NEAR AINSWORTH NE1/4NE1/4 SEC. 31-30-22 W.	10/28/87	0	LONG PINE CREEK NEAR RIVERVIEW SE1/4NE1/4 SEC. 5-31-20 W.	10/28/87	166
WEST BONE CREEK NEAR AINSWORTH SE1/4SE1/4 SEC. 22-30-22 W.	10/28/87	3.0	LONG PINE CREEK NEAR RIVERVIEW NW1/4NE1/4 SEC. 34-32-20 W.	10/28/87	171
BONE CREEK AT AINSWORTH NW1/4SW1/4 SEC. 23-30-22 W.	06/24/87	6.3	SHORT PINE CREEK NEAR RIVERVIEW NE1/4NE1/4 SEC. 34-32-20 W.	10/28/87	0
BONE CREEK NEAR AINSWORTH NW1/4NW1/4 SEC. 13-30-22 W.	10/28/87	11	WILLOW CREEK NEAR NEWPORT NW1/4SW1/4 SEC. 6-32-17 W.	06/25/87	3.0
BONE CREEK, TRIBUTARY TO, NEAR AINSWORTH NW1/4NW1/4 SEC. 15-30-22 W.	10/28/87	0	ASH CREEK NEAR NEWPORT NW1/4NE1/4 SEC. 34-32-17 W.	06/25/87 06/25/87	8.5 8.5
BONE CREEK, TRIBUTARY TO, NEAR AINSWORTH SE1/4SE1/4 SEC. 11-30-22 W.	10/28/87	2.2	<u>KEYA PAHA RIVER</u>		
BONE CREEK NEAR AINSWORTH SW1/4NW1/4 SEC. 7-30-21 W.	10/28/87	14	SANDY CREEK NEAR SPARKS NE1/4NE1/4 SEC. 20-35-25 W.	06/25/87	0.62
BONE CREEK NEAR LONG PINE SW1/4SW1/4 SEC. 34-31-21 W.	06/25/87 10/28/87	35 23	SHADLEY CREEK NEAR SPARKS SW1/4SW1/4 SEC. 27-35-24 W.	06/25/87	0.01
BONE CREEK, TRIBUTARY TO, NEAR AINSWORTH SW1/4SW1/4 SEC. 1-30-22 W.	10/28/87	0	LOST CREEK NEAR NORDEN SE1/4SW1/4 SEC. 34-35-23 W.	06/25/87	0
BONE CREEK, TRIBUTARY TO, NEAR AINSWORTH NW1/4SW1/4 SEC. 31-31-21 W.	10/28/87	0	COTTONWOOD CREEK NEAR NORDEN SE1/4NW1/4 SEC. 10-34-22 W.	06/25/87	0.08
BONE CREEK, TRIBUTARY TO, NEAR AINSWORTH NW1/4SW1/4 SEC. 32-31-21 W.	10/28/87	0	HOLT CREEK NEAR SPRINGVIEW SE1/4SW1/4 SEC. 34-35-21 W.	06/25/87	0.93
BONE CREEK, TRIBUTARY TO, NEAR AINSWORTH SE1/4SE1/4 SEC. 33-31-21 W.	10/28/87	0.11	HOLT CREEK, EAST, NEAR SPRINGVIEW SW1/4SE1/4 SEC. 24-34-21 W.	06/25/87	0.05
SAND DRAW NEAR AINSWORTH SW1/4SE1/4 SEC. 22-30-23 W.	10/28/87	0	HOLT CREEK NEAR BURTON NE1/4NE1/4 SEC. 30-35-20 W.	06/25/87	6.3
SAND DRAW NEAR AINSWORTH NW1/4NW1/4 SEC. 23-30-23 W.	10/28/87	0.26	JORDAN CREEK NEAR BURTON NE1/4SW1/4 SEC. 23-35-20 W.	06/25/87	1.3
SAND DRAW NEAR AINSWORTH SE1/4SE1/4 SEC. 1-30-23 W.	10/28/87	6.1	KEYA PAHA RIVER NEAR BURTON NW1/4NE1/4 SEC. 23-35-20 W.	06/25/87	64
SAND DRAW CREEK NEAR AINSWORTH NE1/4NE1/4 SEC. 6-30-22 W.	06/25/87	6.6	BURTON CREEK NEAR SPRINGVIEW NE1/4NW1/4 SEC. 14-33-20 W.	06/24/87	0
			BURTON CREEK AT BURTON SE1/4NE1/4 SEC. 19-34-19 W.	06/24/87	1.3
			BURTON CREEK NEAR BURTON SE1/4SW1/4 SEC. 5-34-19 W.	06/24/87	2.9

<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>KEYA PAHA RIVER</u>			<u>LOWER NIOBRARA RIVER</u>		
BUFFALO CREEK NEAR HILLS NE1/4NW1/4 SEC. 22-35-19 W.	06/24/87	0.41	BRUSH CREEK, EAST FORK, NEAR ATKINSON SW1/4NW1/4 SEC. 30-32-13 W.	06/24/87	0.73
DRY CREEK NEAR HILLS NW1/4SW1/4 SEC. 32-35-18 W.	06/24/87	0.05	BRUSH CREEK NEAR CATALPA SW1/4NW1/4 SEC. 4-32-13 W.	06/24/87	9.7
KEYA PAHA RIVER NEAR HILLS NE1/4SW1/4 SEC. 4-34-18 W.	06/24/87	72	TURKEY CREEK NEAR CATALPA NW1/4SW1/4 SEC. 28-33-12 W.	06/24/87	2.9
SPRING CREEK NEAR BURTON SE1/4SE1/4 SEC. 15-33-19 W.	06/24/87	0	EAGLE CREEK, MID BRANCH, NEAR ATKINSON NE1/4NE1/4 SEC. 9-30-13 W.	06/24/87	13
SPRING CREEK NEAR HILLS NE1/4NE1/4 SEC. 16-34-18 W.	06/24/87	14	EAGLE CREEK, NO. BRANCH, NEAR ATKINSON NE1/4NE1/4 SEC. 25-31-13 W.	06/24/87	4.8
INDIAN CREEK NEAR HILLS NW1/4NE1/4 SEC. 4-34-18 W.	06/24/87	0.07	EAGLE CREEK, MIDDLE BRANCH, NEAR EMMET SW1/4NW1/4 SEC. 30-31-12 W.	06/24/87	16
SHINGLE CREEK NEAR HILLS SE1/4SW1/4 SEC. 34-35-18 W.	06/24/87	0.74	EAGLE CREEK, EAST BRANCH, NEAR EMMET NW1/4NE1/4 SEC. 31-31-12 W.	06/24/87	9.2
WOLF CREEK NEAR BROCKSBURG SW1/4NW1/4 SEC. 6-34-17 W.	06/25/87	0.30	EAGLE CREEK NEAR MIDWAY SW1/4NW1/4 SEC. 4-31-12 W.	06/24/87	33
COON CREEK NEAR BROCKSBURG SW1/4NW1/4 SEC. 17-34-17 W.	06/24/87	0.51	HONEY CREEK NEAR MIDWAY SE1/4SW1/4 SEC. 26-31-12 W.	06/23/87	2.8
KEYA PAHA RIVER NEAR BROCKSBURG SW1/4SW1/4 SEC. 9-34-17 W.	06/25/87	77	REDBIRD CREEK NEAR O'NEILL SE1/4SW1/4 SEC. 23-30-11 W.	06/23/87	3.0
SPOTTED TAIL CREEK NEAR BROCKSBURG SE1/4SW1/4 SEC. 9-34-17 W.	06/25/87	0.10	REDBIRD CREEK, TRIBUTARY TO, NEAR O'NEILL SW1/4SE1/4 SEC. 23-30-11 W.	06/23/87	1.1
ALKALI CREEK NEAR JAMISON NW1/4NW1/4 SEC. 12-34-17 W.	06/25/87	0.88	REDBIRD CREEK NEAR OPPORTUNITY NW1/4NE1/4 SEC. 12-31-11 W.	06/23/87	29
OAK CREEK NEAR BROCKSBURG NW1/4NW1/4 SEC. 25-34-17 W.	06/25/87	1.3	BLACKBIRD CREEK NEAR MIDWAY SW1/4NW1/4 SEC. 32-31-11 W.	06/23/87	3.9
MORSE CREEK NEAR JAMISON SW1/4SE1/4 SEC. 33-35-16 W.	06/25/87	0.14	SPRING CREEK NEAR SCOTTVILLE NW1/4NW1/4 SEC. 7-31-10 W.	06/23/87	9.7
MORSE CREEK NEAR NAPER SE1/4SW1/4 SEC. 23-34-16 W.	06/25/87	1.1	LOUSE CREEK NEAR SCOTTVILLE SE1/4SW1/4 SEC. 36-32-10 W.	06/23/87	1.4
LOST CREEK NEAR NAPER SE1/4SW1/4 SEC. 13-34-16 W.	06/25/87	0	SQUAW CREEK NEAR PISHELVILLE SW1/4SW1/4 SEC. 7-32-8 W.	06/23/87	6.6
DRY CREEK NEAR NAPER SW1/4SW1/4 SEC. 18-34-15 W.	06/25/87	0	STEEL CREEK NEAR PISHELVILLE SE1/4NE1/4 SEC. 18-32-8 W.	06/23/87	3.9
BASIN CREEK NEAR NAPER SW1/4SE1/4 SEC. 15-34-15 W.	06/24/87	0	VERDIGRE CREEK, SO. BRANCH, NEAR ORCHARD NW1/4SE1/4 SEC. 9-28-8 W.	06/23/87	13
<u>LOWER NIOBRARA RIVER</u>			VERDIGRE CREEK, MID. BRANCH, NEAR VENUS NE1/4NE1/4 SEC. 13-29-9 W.	06/23/87	3.3
BIG SANDY CREEK NEAR STUART NE1/4NE1/4 SEC. 10-31-15 W.	06/24/87	8.2	BIG SPRING CREEK NEAR ORCHARD NE1/4NE1/4 SEC. 22-28-8 W.	06/23/87	8.8
BIG SANDY CREEK NEAR DUSTIN NW1/4SE1/4 SEC. 3-32-15 W.	06/24/87	17	VERDIGRE CREEK, MID. BRANCH, NEAR VENUS NE1/4NE1/4 SEC. 18-29-8 W.	06/23/87	8.4
BIG SANDY CREEK NEAR DUSTIN SW1/4NE1/4 SEC. 12-33-14 W.	06/24/87	36			
BRUSH CREEK NEAR ATKINSON NE1/4NW1/4 SEC. 1-31-14 W.	06/24/87	2.8			
BRUSH CREEK, WEST FORK, NEAR ATKINSON NE1/4NE1/4 SEC. 4-31-14 W.	06/24/87	0.21			

NIOBRARA RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER NIOBRARA RIVER</u>		
VERDIGRE CREEK, MID. BRANCH, NEAR VERDIGRE NW1/4SW1/4 SEC. 28-30-7 W.	06/23/87	24
VERDIGRE CREEK, NO. BRANCH, NEAR STAR NE1/4SE1/4 SEC. 15-30-9 W.	06/23/87	13

MISSOURI RIVER TRIBUTARIES
(NIOBRARA TO THE PLATTE)

<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>BAZILE CREEK</u>			<u>BOW CREEK</u>		
BAZILE CREEK NEAR BRUNSWICK SE1/4SW1/4 SEC. 21-28-5 W.	09/03/87	4.5	DEAD CREEK NEAR HARTINGTON NE1/4NE1/4 SEC. 32-31-2 E.	09/08/87	0
BAZILE CREEK, TRIBUTARY TO, NEAR CREIGHTON SE1/4SE1/4 SEC. 10-28-5 W.	09/03/87	0.88	BOW CREEK, TRIBUTARY TO, NEAR HARTINGTON NW1/4NW1/4 SEC. 33-31-2 E.	09/08/87	1.6
BAZILE CREEK, TRIBUTARY TO, NEAR CREIGHTON NW1/4NW1/4 SEC. 2-28-5 W.	09/03/87	0	EAST BOW CREEK NEAR HARTINGTON NW1/4NE1/4 SEC. 5-30-3 E.	09/09/87	3.8
BAZILE CREEK AT BAZILE MILLS SW1/4SE1/4 SEC. 4-29-5 W.	01/13/87 09/03/87	30 15	EAST BOW CREEK, TRIBUTARY TO, NEAR HARTINGTON NE1/4NW1/4 SEC. 5-30-3 E.	09/09/87	1.4
SPRING CREEK AT BAZILE MILLS NE1/4NE1/4 SEC. 9-29-5 W.	01/13/87 09/03/87	3.6 3.5	EAST BOW CREEK NEAR ST. JAMES SW1/4NE1/4 SEC. 12-31-2 E.	09/09/87	13
LITTLE BAZILE CREEK AT BLOOMFIELD SW1/4NW1/4 SEC. 10-30-3 W.	09/08/87	0.99	WEST BOW CREEK NEAR CROFTON NW1/4SW1/4 SEC. 11-31-2 W.	09/08/87	1.4
LITTLE BAZILE CREEK NEAR CENTER SE1/4SE1/4 SEC. 24-30-5 W.	01/13/87 09/03/87	21 14	WEST BOW CREEK NEAR CONSTANCE NE1/4NW1/4 SEC. 3-31-1 W.	09/08/87	3.5
SAND CREEK NEAR CENTER SE1/4SW1/4 SEC. 10-31-5 W.	09/03/87	0	WEST BOW CREEK NEAR WYNOT NE1/4NE1/4 SEC. 16-32-2 E.	09/09/87	9.2
HOBBOE CREEK NEAR LINDY NW1/4NW1/4 SEC. 13-32-4 W.	09/03/87	0	<u>AMES CREEK</u>		
HOWE CREEK NEAR CENTER SW1/4SW1/4 SEC. 12-31-5 W.	09/03/87	6.0	AMES CREEK NEAR OBERT SW1/4NW1/4 SEC. 24-32-3 E.	09/09/87	0.23
<u>LOST CREEK</u>			<u>LIME CREEK</u>		
LOST CREEK NEAR SANTEE SE1/4NE1/4 SEC. 8-32-5 W.	09/03/87	0.12	LIME CREEK NEAR MASKELL SW1/4NE1/4 SEC. 32-32-4 E.	09/29/87	5.1
<u>DEVILS NEST CREEK</u>			<u>DEER CREEK</u>		
DEVILS NEST CREEK NEAR SANTEE SE1/4NW1/4 SEC. 29-33-3 W.	09/03/87	0.81	DEER CREEK NEAR MASKELL SW1/4SW1/4 SEC. 27-32-4 E.	09/29/87	0.06
<u>WEIGAND CREEK</u>			<u>WALNUT CREEK</u>		
WEIGAND CREEK AT GAVINS POINT SW1/4SW1/4 SEC. 20-33-2 W.	09/03/87	0.25	WALNUT CREEK NEAR MASKELL NE1/4NE1/4 SEC. 34-32-4 E.	09/29/87	0.28
<u>BEAVER CREEK</u>			<u>TURKEY CREEK</u>		
BEAVER CREEK NEAR ATEN SE1/4SE1/4 SEC. 21-33-1 W.	02/10/87 09/08/87	11 4.1	TURKEY CREEK NEAR MASKELL NE1/4NE1/4 SEC. 1-31-4 E.	09/29/87	0.69
<u>ANTELOPE CREEK</u>			<u>AOWA CREEK</u>		
ANTELOPE CREEK NEAR MEMOHINEE SE1/4SW1/4 SEC. 24-33-1 W.	02/10/87 09/08/87	1.7 3.1	AOWA CREEK NEAR NEWCASTLE NW1/4SW1/4 SEC. 25-31-4 E.	09/29/87	1.6
<u>BOW CREEK</u>			<u>POWDER CREEK</u>		
BOW CREEK NEAR HARTINGTON SW1/4NW1/4 SEC. 12-30-1 E.	04/07/87 09/08/87	15 5.1	POWDER CREEK NEAR NEWCASTLE SW1/4NW1/4 SEC. 2-30-5 E.	10/14/87	3.4
PEARL CREEK NEAR HARTINGTON SE1/4SW1/4 SEC. 12-30-1 E.	04/07/87 09/08/87	21 9.1	SILVER CREEK NEAR PONCA NE1/4SW1/4 SEC. 17-30-6 E.	10/14/87	1.7
NORWEGIAN BOW CREEK AT HARTINGTON NW1/4NW1/4 SEC. 31-31-2 E.	04/07/87 09/08/87	16 4.9	DAILY BRANCH AT MARTINSBURG SE1/4NE1/4 SEC. 9-29-5 E.	10/10/87	8.4
			SOUTH CREEK AT MARTINSBURG NE1/4NW1/4 SEC. 10-29-5 E.	10/14/87	24
			SOUTH CREEK NEAR PONCA NW1/4NE1/4 SEC. 33-30-6 E.	09/29/87	24

MISSOURI RIVER TRIBUTARIES
(NIOBRARA TO THE PLATTE)

<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>AOWA CREEK</u>			<u>PAPILLION CREEK</u>		
AOWA CREEK AT PONCA NE1/4SE1/4 SEC. 22-30-6 E.	09/29/87 11/23/87	36 47	BOX ELDER CREEK NEAR MILLARD SE1/4SE1/4 SEC. 34-15-11 E.	02/24/87	1.7
AOWA CREEK, TRIB TO, NEAR PONCA SE1/4NW1/4 SEC. 25-30-6 E.	10/14/87	1.3	HELL CREEK NEAR MILLARD NE1/4NW1/4 SEC. 8-14-12 E.	03/11/87	1.8
<u>ELK CREEK</u>			PAPILLION CREEK, TRIBUTARY TO, SOUTH BRANCH OF THE WEST BRANCH, NEAR PAPILLION NW1/4NE1/4 SEC. 23-14-11 E.	03/11/87	0.25
ELK CREEK NEAR ALLEN SW1/4NE1/4 SEC. 31-28-6 E.	09/25/87	1.5	PAPILLION CREEK, SOUTH BRANCH OF THE WEST BRANCH, NEAR PAPILLION SE1/4SW1/4 SEC. 17-14-12 E.	03/11/87	6.1
OTTER CREEK NEAR WILLIS NE1/4NE1/4 SEC. 2-28-6 E.	10/14/87	5.1	WALNUT CREEK NEAR PAPILLION SE1/4NE1/4 SEC. 28-14-12 E.	03/11/87	0.90
MINNOW CREEK NEAR WILLIS NE1/4SE1/4 SEC. 2-28-6 E.	10/14/87	4.9	PAPILLION CREEK, WEST BRANCH, NEAR BELLEVUE NE1/4NE1/4 SEC. 32-14-13 E.	03/11/87	67
ELK CREEK NEAR WILLIS NE1/4NE1/4 SEC. 1-28-6 E.	10/14/87	20	BIG PAPILLION CREEK NEAR BELLEVUE NW1/4NE1/4 SEC. 14-13-13 E.	03/11/87	90
ELK CREEK AT JACKSON NE1/4NW1/4 SEC. 36-29-7 E.	10/14/87	25			
<u>PIGEON CREEK</u>					
PIGEON CREEK NEAR HUBBARD NW1/4NE1/4 SEC. 33-28-7 E.	10/14/87	2.4			
PIGEON CREEK NEAR HOMER NW1/4NE1/4 SEC. 1-27-8 E.	09/28/87	5.0			
<u>OMAHA CREEK</u>					
WIGGLE CREEK NEAR HOMER NE1/4NW1/4 SEC. 23-27-8 E.	09/28/87	1.1			
FIDDLERS CREEK AT HOMER NE1/4SW1/4 SEC. 14-27-8 E.	09/28/87	1.2			
<u>PONCA CREEK</u>					
LITTLE PAPILLION CREEK NEAR OMAHA NW1/4NW1/4 SEC. 9-16-13 E.	03/10/87	1.1			
<u>PAPILLION CREEK</u>					
BIG PAPILLION CREEK NEAR BENNINGTON NE1/4NW1/4 SEC. 25-16-11 E.	03/10/87	29			
BIG PAPILLION CREEK AT RALSTON NE1/4SE1/4 SEC. 2-14-12 E.	03/10/87	38			
KNIGHT CREEK AT OMAHA NW1/4SE1/4 SEC. 34-16-12 E.	03/10/87 03/10/87	2.3 3.6			
COLE CREEK AT OMAHA SW1/4SE1/4 SEC. 14-15-12 E.	03/10/87	0.30			
LITTLE PAPILLION CREEK AT OMAHA NW1/4SE1/4 SEC. 1-14-12 E.	03/10/87	12			
WEST BRANCH PAPILLION CREEK NEAR ELKHORN SE1/4SE1/4 SEC. 16-15-11 E.	02/24/87	4.9			
PAPILLION CREEK, NORTH BRANCH OF WEST BRANCH, NEAR ELKHORN SW1/4SE1/4 SEC. 10-15-11 E.	02/24/87	4.6			

<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>			
LANE DRAIN SW1/4SE1/4 SEC. 30-23-57 W.	01/06/87	1.7	SPOTTEDTAIL CREEK, WET SEC. 6-22-55 W.	10/02/87	12	
	02/02/87	2.4		11/02/87	11	
	03/03/87	1.8		12/09/87	12	
	04/01/87	1.6	PUMPKIN CREEK AT GERING-KIMBALL HIWAY SEC. 4-29-55 W.	04/24/87	7.0	
	04/28/87	1.9		06/25/87	4.2	
	05/13/87	1.9		SCOTTSBLUFF DRAIN NO. 1 SEC. 25-22-55 W.	01/06/87	2.5
	05/27/87	3.6			02/05/87	2.9
	06/10/87	2.8			03/05/87	4.4
	06/24/87	1.8			04/03/87	3.0
	07/08/87	2.8	04/29/87		2.4	
	07/22/87	2.2	05/14/87		2.7	
	08/05/87	2.9	05/28/87	4.4		
	08/19/87	2.0	06/11/87	3.8		
	09/02/87	2.1	06/25/87	4.9		
09/16/87	2.6	07/09/87	6.9			
09/30/87	2.2	07/23/87	14			
10/13/87	2.0	08/06/87	8.5			
11/04/87	2.1	08/20/87	6.9			
12/01/87	2.5	09/03/87	9.0			
BALD DRAIN SW1/4NE1/4 SEC. 32-23-56 W.	01/06/87	1.2	09/17/87	7.5		
	02/02/87	1.2	10/01/87	4.3		
	03/03/87	2.3	11/02/87	3.2		
	04/02/87	1.6	12/01/87	4.9		
	04/28/87	1.1	SCOTTSBLUFF DRAIN NO. 2 SEC. 4-22-54 W.	01/05/87	3.1	
	05/13/87	60		02/05/87	2.5	
	05/27/87	58		04/03/87	3.1	
	06/10/87	56		04/29/87	2.4	
	06/24/87	58		05/14/87	2.1	
	07/08/87	25		05/28/87	8.3	
	07/22/87	26	06/11/87	4.7		
	08/05/87	27	06/25/87	4.0		
	08/19/87	9.2	07/09/87	9.2		
	09/02/87	34	07/23/87	15		
09/16/87	48	08/06/87	8.9			
09/30/87	2.3	08/19/87	10			
10/13/87	0.94	09/02/87	5.7			
11/02/87	0.52	09/16/87	11			
12/09/87	1.6	10/01/87	6.5			
FANNING SEEP SEC. 28-23-56 W.	01/06/87	0	11/04/87	4.1		
	02/02/87	0	12/03/87	5.4		
	03/03/87	0	MELBETA DRAIN SEC. 13-21-54 W.	01/07/87	1.5	
	05/13/87	0		02/05/87	1.3	
	05/27/87	0		03/06/87	2.5	
	06/24/87	0		04/06/87	1.7	
	07/08/87	0		04/30/87	1.5	
	07/22/87	0		10/01/87	18	
	08/05/87	0	11/12/87	2.3		
	10/22/87	0	12/03/87	1.9		
	11/02/87	0	FAIRFIELD SEEP SEC. 18-21-53 W.	01/07/87	0	
	12/09/87	0		02/05/87	0	
	PUMPKIN CREEK ABOVE SCOTT RESERVOIR SEC. 12-19-56 W.	01/06/87		4.8	03/06/87	1.1
		06/25/87		5.0	04/06/87	1.4
SPOTTEDTAIL CREEK, WET SEC. 6-22-55 W.		01/06/87		10	04/29/87	1.9
		02/03/87		10	05/07/87	1.7
		03/03/87	16	05/21/87	1.5	
		04/02/87	10	06/04/87	2.1	
		04/30/87	9.8	06/18/87	1.7	
		05/06/87	14	07/02/87	1.7	
		05/20/87	14	07/16/87	2.4	
		06/03/87	12	07/30/87	2.1	
		06/17/87	11	08/13/87	2.2	
		07/01/87	12	08/27/87	4.2	
		07/15/87	16	09/10/87	2.9	
		07/29/87	10	09/24/87	2.0	
	08/12/87	15	10/05/87	2.5		
	08/26/87	11	11/12/87	0.78		
09/02/87	13	12/03/87	0.38			
09/09/87	13					
09/23/87	12					

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>		
ALLIANCE DRAIN SEC. 20-22-53 W.	05/07/87	6.7	INDIAN CREEK SEC. 19-20-50 W.	12/07/87	5.7
	05/21/87	5.7			
	06/04/87	7.5	DUGOUT CREEK, UPPER SEC. 20-20-50 W.	01/13/87	4.5
	06/18/87	9.1		02/06/87	4.0
	07/02/87	4.2		03/13/87	3.5
	07/16/87	6.1		04/03/87	3.2
	07/30/87	4.3		04/29/87	2.1
	08/13/87	6.0		11/13/87	5.2
	08/27/87	4.9		11/15/87	6.5
	09/09/87	8.2		12/07/87	4.7
	09/24/87	7.8			
NINE MILE DRAIN NE1/4 SEC. 4-21-53 W.	07/08/87	152	SILVERNAIL DRAIN SEC. 6-19-49 W.	01/07/87	5.2
TAYLOR DRAIN SW1/4 SEC. 3-21-53 W.	07/08/87	1.2		02/02/87	4.6
PUMPKIN CREEK AT BANNER- MORRILL COUNTY LINE SEC. 25-19-53 W.	04/24/87	8.2		03/05/87	4.1
	06/25/87	4.1		04/02/87	4.1
				04/28/87	4.1
				10/23/87	5.7
				11/24/87	5.2
				12/07/87	5.1
CLEVELAND DRAIN SEC. 6-20-52 W.	01/02/87	1.0	<u>PUMPKIN CREEK</u>		
	02/03/87	1.0	GREENWOOD CREEK NEAR BRIDGEPORT SW1/4SW1/4 SEC. 26-19-50 W.	04/27/87	5.5
	03/06/87	1.6		05/27/87	6.3
	04/02/87	2.3		06/24/87	1.8
	05/07/87	4.2		07/22/87	0
	05/21/87	3.5		08/12/87	3.1
	06/04/87	6.2		08/26/87	0
	06/18/87	14		09/02/87	0
	07/02/87	10		10/27/87	2.1
	07/16/87	13		11/13/87	2.5
	07/30/87	5.0		12/07/87	4.0
	08/27/87	13	PUMPKIN CREEK ABOVE HASS DAM NW1/4SW1/4 SEC. 28-19-50 W.	07/01/87	9.5
	09/10/87	14		07/22/87	5.8
	09/24/87	12		07/29/87	3.2
	11/12/87	0.93	<u>PUMPKIN CREEK TO KINGSLEY DAM</u>		
	12/17/87	0.82	CEDAR CREEK NEAR BROADWATER SE1/4NE1/4 SEC. 11-18-48 W.	01/07/87	9.2
PUMPKIN CREEK BELOW MUTUAL CANAL SEC. 33-19-52 W.	11/17/87	7.1		02/02/87	8.4
LAWRENCE FORK CREEK NEAR REDINGTON SW1/4SE1/4 SEC. 25-19-52 W.	06/25/87	0.27		03/05/87	8.9
DeGRAW DRAIN SEC. 24-20-51 W.	01/02/87	3.2		04/02/87	10.0
	02/06/87	2.4		04/28/87	9.7
	03/05/87	7.9		10/27/87	10
	04/03/87	3.5		11/24/87	9.9
	04/29/87	2.2		12/07/87	9.7
	05/06/87	4.8	COLD WATER CREEK BELOW LISCO CANAL NE1/4NE1/4 SEC. 34-18-46 W.	02/02/87	3.8
	05/20/87	9.5		03/05/87	4.0
	06/03/87	10		04/02/87	3.7
	06/17/87	9.0		04/28/87	3.7
	07/01/87	5.6		10/23/87	3.8
	07/15/87	11		11/24/87	3.6
	07/29/87	6.9		12/10/87	3.7
	08/12/87	2.0	RUSH CREEK NEAR LISCO NE1/4NW1/4 SEC. 17-17-45 W.	05/26/87	5.3
	08/26/87	10		06/16/87	3.2
	09/09/87	11		07/07/87	1.3
	09/23/87	12		08/11/87	0.30
	10/15/87	3.1		09/01/87	0.30
	11/12/87	3.0		10/27/87	0.62
	12/07/87	3.2		11/24/87	1.1
INDIAN CREEK SEC. 19-20-50 W.	01/02/87	6.9		12/10/87	1.5
	02/06/87	5.8	RUSH CREEK NEAR LISCO NE1/4NW1/4 SEC. 17-17-45 W.	05/12/87	3.6
	03/05/87	6.1	LOST CREEK NORTH OF OSHKOSH NE1/4SE1/4 SEC. 26-17-44 W.	05/05/87	0
	04/03/87	6.0		05/19/87	0
	04/29/87	5.0		06/02/87	0
	10/15/87	8.3		06/30/87	0
	11/12/87	6.3		07/14/87	0

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 TO KINGSLEY DAM</u>			<u>KINGSLEY DAM TO CONFLUENCE</u>				
LOST CREEK NORTH OF OSHKOSH NE1/4SE1/4 SEC. 26-17-44 W.	07/28/87	0	KINGSLEY DAM TOE DRAIN NO. 2 STATION 80 SEC. 3-14-38 W.	03/06/87	3.9		
	09/08/87	0		04/06/87	3.9		
	10/27/87	0		05/01/87	3.4		
	12/01/87	0		06/10/87	4.2		
CLEAR CREEK NEAR LEWELLEN SE1/4SW1/4 SEC. 29-17-41 W.	01/07/87	8.3		07/08/87	4.5		
	02/05/87	8.6		08/19/87	4.3		
	03/06/87	8.2		09/02/87	4.5		
	04/06/87	8.3		10/30/87	4.1		
	05/01/87	7.8		11/19/87	4.0		
	06/24/87	8.3		12/03/87	5.4		
	07/22/87	3.7		KINGSLEY DAM TOE DRAIN NO. 3 STATION 70 SEC. 3-14-38 W.	03/06/87	1.8	
	08/18/87	3.9			04/06/87	2.3	
	09/02/87	4.3	05/01/87		2.4		
	10/27/87	8.5	06/10/87		2.9		
	11/19/87	8.5	07/08/87		2.6		
	12/10/87	7.8	08/18/87		2.1		
OTTER CREEK NEAR LEMOYNE SW1/4NE1/4 SEC. 5-15-40 W.	01/07/87	20	09/02/87		2.4		
	02/05/87	19	10/30/87		1.9		
	03/06/87	18	11/19/87		2.2		
	04/06/87	20	12/03/87		2.5		
	05/01/87	20	KINGSLEY DAM TOE DRAIN NO. 4 STATION 60 SEC. 3-14-38 W.		01/08/87	1.3	
	06/24/87	19			02/05/87	1.1	
	07/22/87	20		03/06/87	1.3		
	08/19/87	20		04/06/87	0.92		
	09/02/87	30		05/01/87	0.47		
	10/27/87	23		06/10/87	0.63		
	11/19/87	21		07/08/87	0.81		
	12/10/87	21		08/19/87	0.96		
SAND CREEK SE1/4SW1/4 SEC. 3-15-40 W.	01/07/87	3.7		09/02/87	0.84		
	02/05/87	3.9		10/30/87	0.62		
	03/06/87	3.6		11/19/87	0.54		
	04/06/87	3.7		12/03/87	0.74		
	05/01/87	3.8	SUTHERLAND POND DRAIN AT KEYSTONE SE1/4NW1/4 SEC. 1-14-38 W.	04/28/87	5.3		
	06/24/87	3.8		05/05/87	7.4		
	07/22/87	3.7		05/19/87	4.8		
	08/19/87	3.7		06/02/87	7.1		
	09/02/87	4.0		06/16/87	5.8		
	10/27/87	3.8		07/08/87	3.6		
	11/19/87	3.6		07/22/87	6.5		
	12/10/87	3.7		08/12/87	6.9		
LONERGAN CREEK NEAR LEMOYNE SEC. 17-15-39 W.	01/07/87	4.8		09/02/87	4.3		
	02/05/87	5.0		09/23/87	4.0		
	03/06/87	4.9		10/05/87	4.0		
	04/06/87	4.9		KINGSLEY DAM TOE DRAIN NO. 3 STATION 70 SEC. 3-14-38 W.	01/08/87	2.4	
	05/01/87	4.6	02/05/87		2.0		
	05/24/87	5.3	WHITE TAIL CREEK NEAR KEYSTONE SE1/4SE1/4 SEC. 36-15-38 W.		04/28/87	27	
	07/22/87	4.1			05/12/87	28	
	08/18/87	5.3			05/26/87	29	
	09/02/87	4.8			06/09/87	35	
	10/27/87	5.8			06/23/87	25	
	11/19/87	5.9			07/07/87	26	
	12/10/87	5.9			07/22/87	25	
<u>KINGSLEY DAM TO CONFLUENCE</u>	KINGSLEY DAM TOE DRAIN NO. 1 STATION 100 SEC. 3-14-38 W.	01/08/87			0.88	08/11/87	25
		02/05/87			1.2	08/25/87	26
		03/06/87			0.98	09/08/87	27
		04/06/87		1.0	09/22/87	24	
		05/01/87		1.0	10/05/87	24	
		06/10/87	1.1	SKUNK CREEK NEAR KEYSTONE SE1/4SE1/4 SEC. 1-14-37 W.	04/29/87	2.1	
		07/08/87	1.7		05/12/87	1.8	
		08/19/87	1.1		05/26/87	2.2	
		09/02/87	1.3		06/09/87	2.1	
		10/30/87	0.80		06/24/87	0.69	
		11/19/87	0.98		07/08/87	2.3	
		12/03/87	1.0		07/22/87	2.8	
KINGSLEY DAM TOE DRAIN NO. 2 STATION 80 SEC. 3-14-38 W.	01/08/87	3.8	08/12/87		2.7		
	02/05/87	3.7	08/26/87		0.82		
			09/09/87		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>		
SKUNK CREEK NEAR KEYSTONE SE1/4SE1/4 SEC. 1-14-37 W.	09/23/87	3.1
	10/05/87	1.9
GRAVEL CREEK NW1/4SW1/4 SEC. 9-14-36 W.	04/28/87	2.3
	05/12/87	3.0
	05/26/87	2.3
	06/09/87	2.4
	06/24/87	3.8
	07/08/87	2.5
	07/22/87	2.2
	08/12/87	2.9
	08/26/87	2.6
	09/09/87	2.9
	09/23/87	2.6
10/05/87	2.5	
SARBEN SLOUGH NEAR SARBEN SEC. 20-14-35 W.	04/28/87	9.0
	05/12/87	7.3
	05/26/87	9.0
	06/09/87	9.0
	06/23/87	8.5
	07/07/87	7.6
	07/21/87	6.7
	08/04/87	4.1
	08/12/87	8.2
	08/25/87	8.3
	09/01/87	6.9
09/15/87	8.1	
09/29/87	7.1	
CEDAR BRANCH CREEK NEAR NEVINS SEC. 17-14-35 W.	04/28/87	1.4
	05/12/87	1.6
	05/26/87	1.6
	06/09/87	1.6
	06/23/87	1.5
	07/07/87	1.7
	07/21/87	1.3
	08/04/87	2.3
	08/18/87	2.0
	09/01/87	2.1
	09/15/87	1.9
09/29/87	1.9	
KEITH-LINCOLN COUNTY DRAIN NO. 2 NEAR SARBEN SEC. 24-14-35 W.	04/28/87	0
	05/12/87	0
	05/26/87	0
	06/09/87	0
	07/07/87	0.15
	07/29/87	0.81
	08/12/87	1.2
	08/25/87	0.26
	09/09/87	0.08
	09/22/87	0
LINCOLN COUNTY DRAIN NO. 2 NEAR SUTHERLAND SEC. 11-14-33 W.	04/29/87	1.9
	05/13/87	4.0
	05/27/87	3.9
	06/10/87	2.8
	06/24/87	2.6
	07/08/87	2.3
	07/21/87	4.9
	08/04/87	4.4
	08/18/87	4.1
	09/01/87	3.7
09/24/87	3.1	
09/30/87	2.3	

SOUTH PLATTE 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>LODGEPOLE CREEK</u>			<u>LODGEPOLE CREEK</u>		
LODGEPOLE CREEK AT WYOMING-NEBRASKA STATE LINE SE1/4NE1/4 SEC. 11-14-59 W.	05/13/87	1.3	LODGEPOLE CREEK SOUTH OF BROWNSON SEC. 19-14-50 W.	03/19/87	2.5
	06/02/87	1.0		04/06/87	1.8
	06/15/87	0.61		05/15/87	2.0
	07/01/87	0.39		06/03/87	3.3
	08/10/87	0.08		07/01/87	2.4
	08/25/87	0		07/16/87	2.3
	09/09/87	0		08/26/87	2.8
	09/28/87	0.09		09/09/87	2.3
	10/17/87	0.07		09/28/87	1.9
	10/23/87	0.15		10/23/87	2.6
	11/17/87	0.26		12/09/87	2.9
	12/09/87	0.64			
LODGEPOLE CREEK ABOVE OLIVER RESERVOIR SE1/4NE1/4 SEC. 33-15-57 W.	07/28/87	3.0	LODGEPOLE CREEK WEST OF SIDNEY SE1/4NE1/4 SEC. 34-14-50 W.	11/18/87	0
	08/10/87	5.9			
LODGEPOLE CREEK NEAR KIMBALL NW1/4NW1/4 SEC. 29-15-55 W.	05/15/87	5.4	LODGEPOLE CREEK AT SIDNEY CITY PARK SEC. 6-13-49 W.	02/10/87	0
	06/02/87	8.4		03/19/87	0
	07/01/87	1.6		06/03/87	0
	07/16/87	3.4		07/16/87	0
	07/28/87	1.5		08/26/87	0
	08/26/87	3.8		09/09/87	0
	09/09/87	2.6		09/28/87	0
	09/28/87	2.3		10/23/87	0
	12/09/87	5.2		12/09/87	0
LODGEPOLE CREEK BELOW BENNETT RESERVOIR SE1/4SW1/4 SEC. 22-15-55 W.	06/19/87	2.3	LODGEPOLE CREEK AT SIDNEY SW1/4SE1/4 SEC. 32-14-49 W.	01/14/87	0
				04/06/87	0
				05/15/87	0
				07/01/87	0
LODGEPOLE CREEK AT MCINTOSH DIVERSION DAM SEC. 23-15-55 W.	07/13/87	6.7	COTTONWOOD CREEK NEAR LORENZO NW1/4SW1/4 SEC. 10-12-49 W.	08/26/87	0
LODGEPOLE CREEK SEC. 25-15-55 W.	07/13/87	6.0	LODGEPOLE CREEK NEAR CHAPPELL NE1/4NE1/4 SEC. 22-13-45 W.	04/13/87	3.6
LODGEPOLE CREEK SEC. 29-15-54 W.	07/13/87	5.3	LODGEPOLE CREEK AT SUNOL SE1/4NE1/4 SEC. 36-14-48 W.	05/15/87	0
LODGEPOLE CREEK NEAR DIX SW1/4NW1/4 SEC. 26-15-54 W.	01/14/87	0		08/26/87	0
	02/10/87	0	LODGEPOLE CREEK SOUTHEAST OF LODGEPOLE SW1/4SW1/4 SEC. 32-14-46 W.	03/20/87	0.72
	03/19/87	0		04/13/87	1.4
	04/06/87	0.32		05/15/87	0.23
	05/15/87	0.32		06/03/87	0.29
	06/03/87	1.9		07/02/87	0.62
	07/01/87	0		07/16/87	0.64
	07/16/87	1.9		08/26/87	0.36
	08/26/87	1.0	LODGEPOLE CREEK NEAR CHAPPELL NE1/4NE1/4 SEC. 22-13-45 W.	03/20/87	6.3
	09/09/87	0.28		05/15/87	2.7
	09/28/87	0.10		06/18/87	7.3
	10/23/87	0.53		07/02/87	4.5
	12/09/87	1.4		07/16/87	4.4
LODGEPOLE CREEK NEAR POTTER SEC. 6-14-52 W.	01/14/87	0		08/26/87	1.3
	02/10/87	0	LODGEPOLE CREEK NEAR RALTON NE1/4NW1/4 SEC. 12-12-45 W.	01/15/87	0
	04/06/87	0		02/12/87	0.47
	05/15/87	0		03/20/87	1.3
	06/03/87	0		04/13/87	2.0
	07/01/87	0		05/15/87	2.4
	07/16/87	0		06/03/87	2.7
	08/26/87	0		06/17/87	3.8
	09/09/87	0		07/02/87	5.5
	09/28/87	0		07/14/87	6.2
	10/23/87	0		07/28/87	4.0
	12/09/87	0		08/18/87	1.7
LODGEPOLE CREEK, TRIBUTARY TO, NEAR POTTER NW1/4SE1/4 SEC. 4-14-52 W.	08/26/87	0		09/15/87	1.2
				10/23/87	1.3
				11/18/87	1.5
				12/16/87	0.72
LODGEPOLE CREEK SOUTH OF BROWNSON SEC. 19-14-50 W.	01/14/87	0	<u>SOUTH PLATTE, LODGEPOLE CREEK TO CONFLUENCE</u>		
	02/10/87	2.5	FREMONT SLOUGH ON HIGHWAY 83 SEC. 16-13-30 W.	01/15/87	28
				02/24/87	30

SOUTH PLATTE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>SOUTH PLATTE, LODGEPOLE CREEK TO CONFLUENCE</u>		
FREMONT SLOUGH	03/10/87	39
ON HIGHWAY 83	04/16/87	30
SEC. 16-13-30 W.	10/14/87	21
	11/09/87	26
	12/04/87	28
FREMONT SLOUGH	05/01/87	8.3
SEC. 17-13-29 W.	05/11/87	9.7
	05/26/87	13
	06/07/87	9.6
	06/09/87	14
	06/22/87	10
	07/20/87	10
	08/03/87	7.1
	08/17/87	9.5
	08/31/87	9.9
	09/15/87	9.8
	10/02/87	8.7

<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>PLATTE RIVER, WOOD RIVER TO LOUP RIVER</u>		
AIRPORT DRAIN SEC. 7-13-29 W.	04/30/87	16	SILVER CREEK NEAR HAVENS NW1/4SW1/4 SEC. 11-15-4 W.	07/02/87	1.8
	05/11/87	16			
	05/26/87	17	PRAIRIE CREEK NEAR ARCHER SW1/4SW1/4 SEC. 10-14-7 W.	07/02/87	36
	06/08/87	16			
	06/22/87	17	PRAIRIE SLOUGH NEAR ARCHER NE1/4NE1/4 SEC. 9-14-7 W.	07/02/87	0.02
	07/06/87	27			
	07/20/87	27	PRAIRIE CREEK NEAR FULLERTON NW1/4NW1/4 SEC. 31-15-6 W.	07/02/87	41
	08/03/87	29			
	08/17/87	26	PRAIRIE CREEK NEAR SILVER CREEK	07/02/87	36
	08/31/87	21	SW1/4SW1/4 SEC. 17-16-2 W.		
	09/15/87	19			
	10/02/87	16			
FLOCK DRAIN SEC. 8-13-29 W.	05/01/87	7.9			
	05/11/87	8.8			
	05/26/87	13			
	06/09/87	11			
	06/22/87	9.2			
	07/06/87	8.1			
	07/20/87	9.9			
	08/03/87	11			
	08/17/87	10			
	08/31/87	9.3			
	09/15/87	8.8			
	10/02/87	8.0			
WHITE HORSE CREEK SEC. 5-13-29 W.	04/30/87	13			
	10/02/87	8.0			
BULL DRAIN NEAR MAXWELL SEC. 20-13-28 W.	04/30/87	2.9			
	05/11/87	3.0			
	05/26/87	5.0			
	06/09/87	4.2			
	06/22/87	2.5			
	07/06/87	3.2			
	07/20/87	2.9			
	08/03/87	2.8			
	08/17/87	2.4			
	08/31/87	2.9			
	09/16/87	3.9			
	10/02/87	3.0			
PAWNEE CREEK SEC. 3-12-27 W.	04/30/87	7.9			
	05/12/87	6.6			
	05/27/87	16			
	06/10/87	39			
	06/24/87	8.0			
	07/08/87	15			
	07/22/87	7.3			
	08/04/87	6.5			
	08/18/87	5.2			
	09/02/87	5.9			
	09/16/87	13			
	10/01/87	7.8			
SHELDON DRAIN NEAR GOTHENBURG SE1/4NE1/4 SEC. 14-11-26 W.	05/20/87	6.9			
	06/03/87	7.7			
	06/17/87	11			
	07/01/87	13			
	07/15/87	13			
	07/29/87	18			
	08/12/87	14			
	08/26/87	10			
	09/09/87	8.4			
PLUM CREEK NEAR EUSTIS NE1/4SW1/4 SEC. 20-8-23 W.	04/10/87	0			
STREVER CREEK SOUTH OF OVERTON SEC. 1-8-20 W.	04/30/87	28			
	10/01/87	13			
<u>PLATTE RIVER, WOOD RIVER TO LOUP RIVER</u>					
PLATTE RIVER AT SILVER CREEK E1/2NE1/4 SEC. 4-15-3 W.	06/30/87	1080			

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>NORTH LOUP RIVER</u>		
DEER CREEK NEAR BOELUS SW1/4SW1/4 SEC. 16-13-12 W.	07/09/87	4.3	JONES CANYON NEAR BURWELL NE1/4NE1/4 SEC. 19-21-15 W.	06/22/87	0
<u>SOUTH LOUP RIVER</u>			BEAN CREEK NEAR ELYRIA SW1/4NE1/4 SEC. 10-20-15 W.	06/22/87	1.3
CEDAR CREEK AT POOLE NE1/4NE1/4 SEC. 35-12-15 W.	07/06/87	0.78	GRAVEL CREEK NEAR ELYRIA SW1/4SW1/4 SEC. 20-20-14 W.	06/22/87	0
SOUTH LOUP RIVER AT RAVENNA SW1/4NW1/4 SEC. 16-12-14 W.	07/06/87	14	TURTLE CREEK, NORTH BRANCH, NEAR ELYRIA NW1/4NE1/4 SEC. 34-20-15 W.	06/22/87	0
<u>LOUP RIVER, SOUTH LOUP RIVER TO NORTH LOUP RIVER</u>			TURTLE CREEK, SOUTH BRANCH, NO. 1 NEAR ELYRIA SW1/4SW1/4 SEC. 9-19-15 W.	01/05/87 02/02/87 03/02/87 03/31/87 04/27/87 05/29/87 06/22/87 06/25/87 07/22/87 08/18/87 09/14/87 10/13/87 11/09/87 12/07/87	0 0 0 0 0 0 0 0 0 0 0 0 0 0
OAK CREEK AT ASHTON SW1/4SE1/4 SEC. 22-15-13 W.	07/09/87	18	TURTLE CREEK, SOUTH BRANCH, TRIB. TO, NO. 2 NEAR ORD SW1/4NW1/4 SEC. 8-19-15 W.	01/05/87 02/02/87 03/02/87 03/31/87 04/27/87 05/29/87 06/22/87 06/25/87 07/22/87 08/18/87 09/14/87 10/13/87 11/09/87 12/07/87	0 0 0 0 0 0 0 0 0 0 0 0 0 0
OAK CREEK AT DANNEBROG SW1/4SE1/4 SEC. 2-13-11 W.	07/09/86	94	HASKEL CREEK NEAR ORD NW1/4SW1/4 SEC. 3-19-14 W.	06/22/87	1.1
<u>NORTH LOUP RIVER</u>			DANE CREEK AT ORD NW1/4NW1/4 SEC. 20-19-14 W.	07/02/87	0.03
NORTH LOUP RIVER NEAR WHITMAN NE1/4NE1/4 SEC. 5-27-36 W.	07/15/87	0.02	ELM CREEK NEAR ORD NW1/4SE1/4 SEC. 24-19-14 W.	06/22/87	0
NORTH LOUP RIVER NEAR DOUGHBOY SW1/4SE1/4 SEC. 15-28-32 W.	06/22/87	77	MESSENGER CREEK NEAR ORD SW1/4NW1/4 SEC. 25-19-13 W.	06/22/87	0.17
BIG HORSE CREEK NEAR BROWNLEE SE1/4NW1/4 SEC. 12-27-30 W.	06/23/87	7.9	MCDOWEL CANYON NEAR NORTH LOUP SE1/4SW1/4 SEC. 11-18-13 W.	06/22/87	0.39
BRUSH CREEK NEAR BROWNLEE SW1/4NE1/4 SEC. 26-27-29 W.	06/23/87	2.7	STEWART CREEK NEAR NORTH LOUP SE1/4SW1/4 SEC. 18-18-12 W.	06/22/87	0
NORTH LOUP RIVER AT BROWNLEE SE1/4NW1/4 SEC. 30-27-28 W.	06/23/87	152	SHEPHERD CREEK NEAR NORTH LOUP SW1/4SE1/4 SEC. 19-18-12 W.	06/22/87	0.01
NORTH LOUP RIVER, TRIBUTARY TO, AT BROWNLEE NW1/4NW1/4 SEC. 31-27-28 W.	06/23/87	0.64	MIRA CREEK, NORTH BRANCH, NEAR NORTH LOUP NW1/4NW1/4 SEC. 28-18-13 W.	06/22/87	0
CALF CREEK NEAR PURDUM SE1/4SW1/4 SEC. 5-25-26 W.	06/23/87	0	MIRA CREEK, SOUTH BRANCH, NEAR NORTH LOUP NW1/4SE1/4 SEC. 33-18-13 W.	06/22/87	0.45
NORTH LOUP RIVER AT PURDUM NW1/4NW1/4 SEC. 8-24-25 W.	06/23/87	250			
GOOSE CREEK NEAR BROWNLEE NE1/4SE1/4 SEC. 14-28-28 W.	06/23/87	1.9			
GOOSE CREEK NEAR PURDUM SW1/4SW1/4 SEC. 3-24-24 W.	06/23/87	21			
NORTH LOUP RIVER AT BREWSTER NW1/4NW1/4 SEC. 27-23-22 W.	06/24/87	392			
CEDAR CREEK NEAR TAYLOR SE1/4NE1/4 SEC. 28-21-17 W.	06/22/87	0			
CALAMUS RIVER NEAR BREWSTER SW1/4NW1/4 SEC. 34-26-22 W.	06/24/87	75			
SKULL CREEK NEAR OVITT NW1/4NE1/4 SEC. 1-24-20 W.	06/22/87	1.5			
BLOODY CREEK NEAR OVITT NW1/4NW1/4 SEC. 5-24-19 W.	06/22/87	1.2			
GRACIE CREEK NEAR HARROP SE1/4SW1/4 SEC. 17-23-17 W.	06/22/87	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>NORTH LOUP RIVER</u>			<u>LOWER LOUP RIVER BELOW CEDAR RIVER</u>		
WALLACE CREEK AT SCOTIA SW1/4SW1/4 SEC. 3-17-12 W.	06/22/87	0	BEAVER CREEK NEAR ALBION NW1/4NE1/4 SEC. 26-20-6 W.	11/10/87	68
DAVIS CREEK NEAR COTESFIELD NW1/4SE1/4 SEC. 33-17-12 W.	06/22/87	4.9	BEAVER CREEK AT BOONE NW1/4SW1/4 SEC. 16-19-5 W.	11/10/87	68
FISH CREEK NEAR COATSFIELD SE1/4SW1/4 SEC. 31-17-11 W.	06/22/87	0.46	BEAVER CREEK NEAR ST. EDWARD SW1/4SE1/4 SEC. 12-18-5 W.	10/10/87	83
MOFFET CREEK NEAR ELBA NW1/4SW1/4 SEC. 27-16-11 W.	06/22/87	0.31	BOGUS CREEK NEAR ST. EDWARD NW1/4SE1/4 SEC. 11-18-5 W.	11/10/87	1.3
MUNSON CREEK NEAR ELBA SW1/4SE1/4 SEC. 28-16-11 W.	06/22/87	8.4	BEAVER CREEK NEAR GENOA SW1/4NW1/4 SEC. 33-18-4 W.	10/10/87	95
AUGER CREEK AT ELBA NE1/4NE1/4 SEC. 9-15-11 W.	06/22/87	3.0	LOOKING GLASS CREEK NEAR GENOA SE1/4NE1/4 SEC. 30-18-3 W.	09/02/87	2.0
NORTH LOUP RIVER, TRIB. TO, NEAR ELBA NW1/4NE1/4 SEC. 24-15-11 W.	06/22/87	1.2	LOOKING GLASS CREEK NEAR MONROE NW1/4NE1/4 SEC. 8-17-3 W.	09/02/87	13
CEDAR CREEK NEAR ST. PAUL SE1/4SW1/4 SEC. 8-15-10 W.	06/22/87	0.02	LOUP RIVER, TRIBUTARY TO, NEAR MONROE NE1/4SE1/4 SEC. 2-17-3 W.	09/03/87	1.2
CADY CREEK NEAR CUSHING NW1/4SW1/4 SEC. 14-15-10 W.	07/02/87	0	CHERRY CREEK NEAR MONROE SE1/4NE1/4 SEC. 25-18-3 W.	09/03/87	0
<u>LOWER LOUP RIVER ABOVE CEDAR RIVER</u>			CHERRY CREEK NEAR MONROE NW1/4NE1/4 SEC. 6-17-2 W.	09/03/87	0
SPRING CREEK AT CUSHING NE1/4SW1/4 SEC. 5-15-9 W.	07/02/87	4.4	LOUP RIVER, TRIBUTARY TO, NEAR MONROE SE1/4SE1/4 SEC. 20-18-2 W.	09/03/87	0
ELK CREEK NEAR PALMER SE1/4NW1/4 SEC. 23-15-8 W.	07/02/87	5.2	LOUP RIVER, TRIBUTARY TO, NEAR MONROE NE1/4NW1/4 SEC. 34-18-2 W.	09/03/87	1.2
HORSE CREEK NEAR FULLERTON SE1/4SW1/4 SEC. 33-16-7 W.	07/02/87	0.85	LAKE BABCOCK DRAIN NEAR COLUMBUS SE1/4NE1/4 SEC. 8-17-1 E.	09/03/87	9.8
<u>CEDAR RIVER</u>			LOUP RIVER AT COLUMBUS NW1/4SW1/4 SEC. 30-17-1 E.	06/30/87 07/21/87 09/14/87	273 139 249
BIG CEDAR CREEK NEAR SWAN LAKE NE1/4NE1/4 SEC. 8-24-15 W.	06/22/87	0			
BIG CEDAR CREEK NEAR DUMAS NE1/4NE1/4 SEC. 28-24-14 W.	06/22/87	2.8			
LITTLE CEDAR CREEK NEAR SWAN LAKE SE1/4SE1/4 SEC. 27-24-15 W.	06/23/87	0.12			
CEDAR CREEK NEAR GABLES SE1/4SE1/4 SEC. 32-23-13 W.	06/22/87	40			
CEDAR CREEK AT ERICSON SW1/4SW1/4 SEC. 15-21-12 W.	06/23/87	118			
CEDAR RIVER NEAR ERICSON SE1/4SE1/4 SEC. 25-21-12 W.	06/23/87	139			
CEDAR RIVER AT PRIMROSE NE1/4NE1/4 SEC. 17-19-8 W.	06/23/87	253			
CEDAR RIVER AT CEDAR RAPIDS SE1/4SE1/4 SEC. 5-18-7 W.	06/23/87	223			
CEDAR RIVER AT BELGRADE SE1/4NE1/4 SEC. 2-17-7 W.	06/23/87	234			
<u>LOWER LOUP RIVER BELOW CEDAR RIVER</u>					
PLUM CREEK NEAR FULLERTON SE1/4SW1/4 SEC. 20-17-5 W.	11/10/87	1.4			

PLATTE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>PLATTE RIVER, LOUP RIVER TO ELKHORN RIVER</u>		
SHELL CREEK NEAR LINDSAY SW1/4SE1/4 SEC. 18-20-3 W.	09/02/87	2.3
ELM CREEK AT PLATTE CENTER NW1/4SE1/4 SEC. 13-18-2 W.	09/03/87	0.74
SHELL CREEK NEAR PLATTE CENTER NW1/4NW1/4 SEC. 29-18-1 W.	09/03/87	13
LOSEKE CREEK NEAR RICHLAND SW1/4SE1/4 SEC. 13-18-1 E.	09/03/87	4.2
SHELL CREEK, TRIBUTARY TO, NEAR RICHLAND SW1/4SE1/4 SEC. 17-18-2 E.	09/14/87	1.4
SHELL CREEK NEAR SCHUYLER SE1/4SE1/4 SEC. 8-17-4 E.	10/28/87	46
LOST CREEK ABOVE LOUP POWER CANAL SW1/4SW1/4 SEC. 16-17-1 E.	09/03/87	0.75
LOST CREEK NEAR COLUMBUS NW1/4SW1/4 SEC. 25-17-1 E.	09/03/87	6.8
LOST CREEK, TRIBUTARY TO, AT RICHLAND NW1/4NW1/4 SEC. 22-17-3 E.	09/14/87	9.0
LOST CREEK NEAR SCHUYLER SW1/4SE1/4 SEC. 18-17-4 E.	10/28/87	17
PLATTE RIVER, TRIBUTARY TO, NEAR NORTH BEND NW1/4SW1/4 SEC. 10-17-4 E.	10/28/87	0
PLATTE RIVER, TRIBUTARY TO, NEAR NORTH BEND SW1/4SE1/4 SEC. 4-17-5 E.	10/28/87	0.01
PLATTE RIVER, TRIBUTARY TO, NEAR AMES SW1/4SW1/4 SEC. 7-17-7 E.	10/28/87	12
PLATTE RIVER, TRIBUTARY TO, NEAR FREMONT SE1/4SE1/4 SEC. 10-17-7 E.	10/28/87	12

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. 28-30-7 W.	08/27/87	0.87	CEDAR CREEK AT OAKDALE NW1/4NW1/4 SEC. 12-24-6 W.	08/14/87 11/04/87	12 20
ELKHORN RIVER, SOUTH BRANCH, NEAR STUART SE1/4SE1/4 SEC. 5-30-16 W.	08/27/87	0.19	ELM CREEK NEAR OAKDALE NW1/4SW1/4 SEC. 8-24-5 W.	08/14/87	0
ELKHORN RIVER, NORTH BRANCH, NEAR STUART SE1/4NE1/4 SEC. 32-31-16 W.	08/27/87	0	TRUEBLOOD CREEK NEAR OAKDALE SW1/4SE1/4 SEC. 33-25-5 W.	09/02/87	0.10
KEEGAN CREEK NEAR STUART SE1/4SE1/4 SEC. 20-30-15 W.	08/27/87	0	SAINT CLAIR CREEK NEAR OAKDALE NW1/4SW1/4 SEC. 9-24-5 W.	08/14/87	0
DRY CREEK NEAR ATKINSON NE1/4NE1/4 SEC. 8-29-14 W.	08/27/87	0	IVES CREEK NEAR TILDEN NE1/4NE1/4 SEC. 15-24-5 W.	08/14/87	0.52
HOLT CREEK NEAR ATKINSON NW1/4NW1/4 SEC. 28-28-14 W.	08/27/87	2.7	GILES CREEK NEAR TILDEN SE1/4SE1/4 SEC. 13-24-5 W.	09/02/87	2.2
DRY CREEK NEAR AMELIA SW1/4NW1/4 SEC. 35-27-14 W.	08/27/87	0	AL HOPKINS CREEK NEAR TILDEN NE1/4NE1/4 SEC. 12-24-5 W.	09/02/87	0.28
DRY CREEK, TRIBUTARY TO, NEAR AMELIA SE1/4SW1/4 SEC. 34-27-14 W.	08/27/87	0	DRY CREEK NEAR TILDEN NW1/4SW1/4 SEC. 21-24-4 W.	03/06/87	2.2
DRY CREEK NEAR O'NEILL SW1/4SW1/4 SEC. 8-28-11 W.	08/26/87 10/20/87	5.5 5.1	BUFFALO CREEK AT MEADOW GROVE SW1/4SW1/4 SEC. 24-24-4 W.	03/06/87	7.1
ELKHORN RIVER, TRIBUTARY TO, NEAR PAGE NW1/4NW1/4 SEC. 7-27-9 W.	08/26/87	0	DEER CREEK NEAR MEADOW GROVE NE1/4NE1/4 SEC. 30-24-3 W.	03/06/87	5.1
WILLOW SWAMP CREEK NEAR EWING SE1/4SE1/4 SEC. 13-27-10 W.	04/29/87 08/26/87	3.8 1.6	BATTLE CREEK NEAR BATTLE CREEK SW1/4NW1/4 SEC. 31-24-2 W.	01/12/87 08/31/87 11/04/87	17 12 14
ELKHORN RIVER, SOUTH FORK, NEAR CHAMBERS NW1/4NW1/4 SEC. 6-26-11 W.	08/26/87	2.8	ELKHORN RIVER, TRIBUTARY TO, NEAR BATTLE CREEK SE1/4SW1/4 SEC. 34-24-2 W.	03/06/87 08/31/87	1.1 0
CACHE CREEK NEAR GOOSE LAKE NE1/4NW1/4 SEC. 29-25-11 W.	08/27/87	0.60	ELKHORN RIVER, TRIBUTARY TO, NEAR BATTLE CREEK NW1/4SW1/4 SEC. 34-24-2 W.	01/12/87	3.8
CACHE CREEK NEAR EWING SW1/4NE1/4 SEC. 13-26-9 W.	08/26/87 10/20/87	7.3 7.3	ELKHORN RIVER, TRIBUTARY TO, NEAR NORFOLK SE1/4NW1/4 SEC. 6-23-1 W.	01/12/87	1.3
CLEARWATER CREEK NEAR EWING SW1/4SW1/4 SEC. 33-25-9 W.	08/27/87	7.7	ELKHORN RIVER, TRIBUTARY TO, NEAR NORFOLK SE1/4NW1/4 SEC. 5-23-1 W.	03/06/87	3.3
CLEARWATER CREEK NEAR CLEARWATER NW1/4SW1/4 SEC. 30-25-8 W.	08/27/87	18	<u>NORTH FORK OF THE ELKHORN RIVER</u>		
HACKBERRY CREEK NEAR CLEARWATER SE1/4NW1/4 SEC. 32-26-7 W.	08/27/87	0.07	ELKHORN RIVER, NORTH FORK, NEAR OSMOND NW1/4NW1/4 SEC. 1-27-3 W.	08/17/87	8.5
ANTELOPE CREEK NEAR NELIGH NW1/4SW1/4 SEC. 24-25-7 W.	03/06/87 08/14/87	2.8 0.20	ELKHORN RIVER, WEST BRANCH OF THE NORTH FORK, NEAR OSMOND NE1/4NW1/4 SEC. 2-27-3 W.	08/17/87	0.38
HALL CREEK AT NELIGH NE1/4SE1/4 SEC. 18-25-6 W.	03/06/87 08/14/87	0.01 0	BRESLAU CREEK NEAR BRESLAU NE1/4NW1/4 SEC. 4-27-3 W.	08/17/87	0
BELMAR CREEK AT NELIGH NW1/4SW1/4 SEC. 21-25-6 W.	03/06/87 08/14/87	0.15 0	ELKHORN RIVER, NORTH FORK, NEAR FOSTER SW1/4SE1/4 SEC. 5-26-2 W.	08/17/87	14
CEDAR CREEK NEAR ELGIN SW1/4SW1/4 SEC. 2-23-6 W.	09/02/87	0.62			
WEST CEDAR CREEK NEAR ELGIN SE1/4NE1/4 SEC. 4-23-6 W.	09/02/87	2.3			

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>		
DRY CREEK, TRIBUTARY TO, NEAR PLAINVIEW NW1/4NE1/4 SEC. 14-27-4 W.	08/17/87	0	CEDAR CREEK NEAR STANTON NW1/4SW1/4 SEC. 19-23-3 E.	09/23/87	3.5
DRY CREEK AT FOSTER NW1/4NE1/4 SEC. 33-27-3 W.	08/17/87	2.2	PAYNE CREEK NEAR STANTON SW1/4NE1/4 SEC. 12-23-2 E.	03/11/87	1.7
DRY CREEK NEAR PIERCE SW1/4SW1/4 SEC. 10-26-2 W.	08/17/87	4.7	HUMBURG CREEK NEAR PILGER SW1/4SW1/4 SEC. 6-24-3 E.	09/23/87	6.0
WILLOW CREEK NEAR PLAINVIEW NE1/4NE1/4 SEC. 20-26-4 W.	08/24/87	0.73	HUMBURG CREEK, SOUTH BRANCH NEAR PILGER SE1/4NE1/4 SEC. 24-24-2 E.	09/23/87	2.1
SPRING CREEK NEAR NORFOLK SE1/4SW1/4 SEC. 11-24-1 W.	01/12/87 09/01/87	6.4 3.7	HUMBURG CREEK NEAR PILGER SE1/4SE1/4 SEC. 28-24-3 E.	09/23/87	13
<u>MIDDLE REACH OF THE ELKHORN RIVER</u>			SAND CREEK NEAR WISNER SE1/4SE1/4 SEC. 29-24-4 E.	11/24/87	6.9
ELKHORN RIVER, TRIBUTARY TO, NEAR STANTON SW1/4NE1/4 SEC. 29-23-1 E.	03/11/87 09/01/87	1.7 0.18	LEISY CREEK NEAR WISNER NW1/4SE1/4 SEC. 10-23-4 E.	09/14/87	0.60
PLEASANT RUN CREEK NEAR STANTON NE1/4NE1/4 SEC. 25-23-1 E.	03/11/87	1.3	ELKHORN RIVER AT WISNER SE1/4NE1/4 SEC. 11-23-4 E.	06/09/87 07/21/87	721 429
UNION CREEK NEAR MADISON SE1/4SE1/4 SEC. 26-21-2 W.	03/02/87	6.4	ROCK CREEK NEAR WISNER NE1/4NE1/4 SEC. 11-22-4 E.	09/14/87	5.0
TAYLOR CREEK NEAR MADISON NE1/4NE1/4 SEC. 27-22-2 W.	03/02/87	1.7	ROCK CREEK NEAR BEEMER SW1/4SE1/4 SEC. 33-23-5 E.	03/10/87	15
NORTH TAYLOR CREEK NEAR MADISON NW1/4NE1/4 SEC. 24-22-2 W.	03/02/87	0.48	PLUM CREEK, TRIBUTARY TO, NEAR ALTONA SW1/4SW1/4 SEC. 23-25-4 E.	05/07/87 06/03/87	0.07 0.06
TAYLOR CREEK AT MADISON SE1/4NW1/4 SEC. 32-22-1 W.	03/02/87	16	PLUM CREEK, TRIBUTARY TO, NEAR ALTONA SE1/4SW1/4 SEC. 23-25-4 E.	06/03/87	0.01
MERIDIAN CREEK NEAR MADISON SE1/4SE1/4 SEC. 12-21-1 W.	03/02/87	13	PLUM CREEK, TRIBUTARY TO, NEAR BEEMER SE1/4SW1/4 SEC. 17-23-6 E.	03/10/87	1.3
UNION CREEK, TRIBUTARY TO, NEAR MADISON NE1/4SW1/4 SEC. 25-22-1 W.	06/16/87	0.01	PLUM CREEK NEAR WEST POINT SE1/4SW1/4 SEC. 4-22-6 E.	03/10/87 09/02/87	22 13
UNION CREEK, TRIBUTARY TO, NEAR MADISON NW1/4SW1/4 SEC. 30-22-1 E.	06/16/87	0.16	WORTHMANS CREEK NEAR WEST POINT NW1/4NW1/4 SEC. 14-21-6 E.	09/02/87	0.12
UNION CREEK, TRIBUTARY TO, NEAR MADISON SE1/4SW1/4 SEC. 30-22-1 E.	06/16/87	0.23	FISHER CREEK NEAR WEST POINT NE1/4NE1/4 SEC. 8-21-6 E.	09/14/87	0.93
UNION CREEK, TRIBUTARY TO, NEAR MADISON NE1/4NE1/4 SEC. 25-22-1 W.	06/16/87	0.08	FISHER CREEK, TRIBUTARY TO, NEAR WEST POINT NE1/4SE1/4 SEC. 8-21-6 E.	09/14/87	1.6
SAND CREEK NEAR STANTON SW1/4SW1/4 SEC. 16-22-1 E.	03/11/87	0.94	COFFEE CREEK NEAR WEST POINT SW1/4SE1/4 SEC. 28-21-6 E.	09/14/87	0.33
UNION CREEK NEAR STANTON NE1/4NE1/4 SEC. 1-22-1 E.	09/23/87	60	CUMING CREEK NEAR BEEMER SE1/4SE1/4 SEC. 30-23-7 E.	11/24/87	2.2
BUTTERFLY CREEK NEAR STANTON SW1/4SE1/4 SEC. 32-23-2 E.	01/14/87 09/23/87	4.7 4.1	ELKHORN RIVER AT SCRIBNER NE1/4NE1/4 SEC. 31-20-7 E.	06/09/87	813
HASKENTHINE CREEK NEAR STANTON NE1/4NW1/4 SEC. 31-24-2 E.	01/14/87 03/11/87 09/01/87 09/01/87	1.3 0.39 0.45 0	CUMING CREEK NEAR WEST POINT NE1/4SE1/4 SEC. 16-21-7 E.	11/24/87	7.2
INDIAN CREEK NEAR STANTON NW1/4NW1/4 SEC. 21-23-2 E.	03/11/87	0.74	WILLOW CREEK NEAR WEST POINT NE1/4NW1/4 SEC. 16-21-7 E.	11/24/87	1.7

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>MIDDLE REACH OF THE ELKHORN RIVER</u>			<u>LOGAN CREEK</u>		
CUMING CREEK NEAR SCRIBNER SW1/4SE1/4 SEC. 29-20-7 E.	09/02/87	12	ROMBERG CREEK NEAR UEHLING SW1/4NE1/4 SEC. 4-20-8 E.	07/31/87 09/02/87	2.0 2.8
PEBBLE CREEK NEAR ALOYS SW1/4SW1/4 SEC. 14-21-5 E.	09/14/87	5.2	LOGAN CREEK, TRIBUTARY TO, NEAR UEHLING NW1/4NE1/4 SEC. 20-20-8 E.	07/31/87 09/02/87	3.2 4.2
PEBBLE CREEK, TRIBUTARY TO, AT DODGE SE1/4SE1/4 SEC. 8-20-5 E.	01/05/87	0.75	<u>LOWER ELKHORN RIVER</u>		
<u>LOGAN CREEK</u>			MAPLE CREEK, MIDDLE FORK, AT CLARKSON NW1/4NW1/4 SEC. 8-20-3 E.	10/28/87	11
LOGAN CREEK, MIDDLE FORK, AT RANDOLPH NW1/4NW1/4 SEC. 29-28-1 E.	09/08/87	0.15	DRY CREEK NEAR ROGERS SE1/4SE1/4 SEC. 15-18-4 E.	10/28/87	4.4
LOGAN CREEK, MIDDLE FORK, NEAR LAUREL SW1/4SW1/4 SEC. 6-28-3 E.	09/08/87	5.5	MAPLE CREEK, MIDDLE FORK, NEAR ROGERS NE1/4SE1/4 SEC. 14-18-4 E.	10/28/87	18
PERRIN CREEK NEAR LAUREL SW1/4SE1/4 SEC. 30-29-3 E.	09/08/87	4.8	MAPLE CREEK, EAST FORK, NEAR HOWELLS NW1/4NE1/4 SEC. 17-20-4 E.	10/28/87	8.9
BAKER CREEK NEAR LAUREL SW1/4SW1/4 SEC. 13-28-3 E.	09/09/87	3.8	MAPLE CREEK, EAST FORK, NEAR ROGERS NE1/4NE1/4 SEC. 2-18-4 E.	10/28/87	14
NORTH LOGAN CREEK NEAR COLERIDGE NE1/4NE1/4 SEC. 8-29-3 E.	04/15/87	4.5	CRYSTAL CREEK NEAR NORTH BEND NE1/4SE1/4 SEC. 35-19-5 E.	10/28/87	1.1
LOGAN CREEK, NORTH FORK, NEAR LAUREL SW1/4SW1/4 SEC. 36-29-3 E.	09/09/87	0.11	RAWHIDE CREEK NEAR VALLEY SE1/4NE1/4 SEC. 5-16-10 E.	02/24/87	2.7
LOGAN CREEK, NORTH FORK, NEAR CONCORD NW1/4NE1/4 SEC. 28-28-4 E.	09/25/87	0.32	RAWHIDE CREEK (OLD CHANNEL) NEAR VALLEY NE1/4NW1/4 SEC. 21-16-10 E.	02/24/87	12
LOGAN CREEK NEAR WAKEFIELD NE1/4NE1/4 SEC. 30-27-5 E.	09/25/87	50	BIG SLOUGH NEAR KING LAKE SW1/4NW1/4 SEC. 28-16-10 E.	02/24/87	6.3
LOGAN CREEK, SOUTH FORK, AT WAYNE SW1/4SW1/4 SEC. 18-26-4 E.	09/09/87	19	ELKHORN RIVER NEAR WATERLOO SE1/4SW1/4 SEC. 14-15-10 E.	02/24/87	1580
LOGAN CREEK, SOUTH FORK, NEAR WAKEFIELD SW1/4NW1/4 SEC. 31-27-5 E.	09/25/87	39	ELKHORN RIVER, TRIBUTARY TO, NEAR WATERLOO SE1/4SE1/4 SEC. 14-15-10 E.	02/24/87	0.07
STAGE CREEK NEAR PENDER NW1/4NW1/4 SEC. 2-24-6 E.	11/24/87	0.38	ELKHORN RIVER AT HWY.92 NE1/4NE1/4 SEC. 34-15-11 E.	02/24/87	1400
RATTLESNAKE CREEK NEAR PENDER NW1/4NW1/4 SEC. 12-24-7 E.	11/24/87	0.53	ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA NE1/4SW1/4 SEC. 2-14-10 E.	02/24/87	0.16
JEPPSON CREEK NEAR BANCROFT NW1/4NE1/4 SEC. 17-24-7 E.	11/24/87	0.27	ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA SE1/4SW1/4 SEC. 2-14-10 E.	02/24/87	0
OLD LOGAN (RATTLESNAKE) CREEK NEAR BANCROFT NW1/4NW1/4 SEC. 22-24-7 E.	11/24/87	0.72	ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA NW1/4NW1/4 SEC. 10-14-10 E.	02/24/87	0
LITTLE LOGAN CREEK NEAR LYONS SW1/4SE1/4 SEC. 34-23-8 E.	07/31/87	4.8	ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA NW1/4NW1/4 SEC. 10-14-10 E.	02/24/87	0
LOGAN CREEK, TRIBUTARY TO, NEAR OAKLAND SE1/4SW1/4 SEC. 15-22-8 E.	07/31/87	1.3	ELKHORN RIVER AT Q ST. SE1/4SE1/4 SEC. 4-14-10 E.	02/24/87	1310
PETERSON CREEK NEAR OAKLAND NE1/4SW1/4 SEC. 10-21-8 E.	07/31/87	2.3	ELKHORN RIVER, TRIBUTARY TO, NEAR WATERLOO SE1/4SE1/4 SEC. 5-15-10 E.	02/24/87	0.08

PLATTE RIVER BASIN
(ELKHORN RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>LOWER ELKHORN RIVER</u>		
ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA SW1/4SW1/4 SEC. 4-15-10 E.	02/24/87	0
ELKHORN RIVER, TRIBUTARY TO, AT WATERLOO NW1/4SW1/4 SEC. 10-15-10 E.	02/24/87	1.2
ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA NW1/4NW1/4 SEC. 34-15-10 E.	02/24/87	0.77
ELKHORN RIVER, TRIBUTARY TO, NEAR WATERLOO SE1/4SE1/4 SEC. 16-15-10 E.	02/24/87	0.27
ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA SW1/4SW1/4 SEC. 16-15-10 E.	02/24/87	0
ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA SW1/4SE1/4 SEC. 16-15-10 E.	02/24/87	0
ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA NE1/4NE1/4 SEC. 33-15-10 E.	02/24/87	1.9
ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA NW1/4NE1/4 SEC. 4-14-10 E.	02/24/87	2.7
ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA NE1/4NW1/4 SEC. 4-14-10 E.	02/24/87	0
ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA SE1/4SE1/4 SEC. 31-15-10 E.	02/24/87	1.9
ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA SW1/4SW1/4 SEC. 32-15-10 E.	02/24/87	0
ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA NE1/4NE1/4 SEC. 5-14-10 E.	02/24/87	1.6
ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA SW1/4SW1/4 SEC. 4-14-10 E.	02/24/87	3.5
ELKHORN RIVER, TRIBUTARY TO, NEAR OMAHA NE1/4NW1/4 SEC. 9-14-10 E.	02/24/87	7.4

PLATTE RIVER BASIN

(SALT CREEK)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge C.f.s.</u>
<u>SALT CREEK</u>		
MIDDLE OAK AT BRANCHED OAKS SW1/4NW1/4 SEC. 18-12-5 E.	08/03/87	1.2
OAK CREEK BELOW DAM NW1/4NW1/4 SEC. 34-12-5 E.	08/03/87	3.1
OAK CREEK NEAR RAYMOND NW1/4NW1/4 SEC. 6-11-6 E.	03/08/87	1.0
CAMP CREEK NEAR EAGLE SE1/4SE1/4 SEC. 6-10-9 E.	04/10/87	0.51

PLATTE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge C.f.s.</u>
<u>PLATTE RIVER, SALT CREEK TO MOUTH</u>		
PLATTE RIVER, TRIBUTARY TO, NEAR SOUTH BEND NE1/4NE1/4 SEC. 11-12-10 E.	03/11/87	0.47
BUFFALO CREEK NEAR SPRINGFIELD SW1/4SW1/4 SEC. 36-13-11 E.	03/11/87	3.6
TURTLE CREEK NEAR SPRINGFIELD NW1/4SW1/4 SEC. 25-13-11 E.	03/11/87	0.21
ZWIEBEL CREEK NEAR PAPILLION NE1/4NW1/4 SEC. 30-13-13 E.	03/11/87	2.9

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>UPPER REPUBLICAN RIVER</u>			<u>MIDDLE REACH OF THE REPUBLICAN RIVER</u>		
INDIAN CREEK NEAR MAX SW1/4NW1/4 SEC. 23-2-36 W.	10/26/87	2.1	FOX CREEK NEAR CURTIS NW1/4NE1/4 SEC. 8-8-28 W.	06/24/87	3.5
MUDDY CREEK NEAR STRATTON NW1/4NE1/4 SEC. 14-2-35 W.	10/26/87	0	CURTIS CREEK NEAR CURTIS SW1/4SW1/4 SEC. 36-8-28 W.	06/26/87	0.42
<u>FRENCHMAN CREEK</u>			MEDICINE CREEK NEAR CURTIS SE1/4NW1/4 SEC. 1-7-28 W.	06/26/87	31
FRENCHMAN CREEK ABOVE ARTERBURN RESERVOIR SW1/4NW1/4 SEC. 11-6-41 W.	10/26/87	0	MEDICINE CREEK AT STOCKVILLE SW1/4NE1/4 SEC. 34-7-27 W.	06/26/87	39
FRENCHMAN CREEK BELOW ARTERBURN RESERVOIR NW1/4SE1/4 SEC. 18-6-40 W.	10/26/87	1.6	CEDAR CREEK NEAR STOCKVILLE SW1/4SW1/4 SEC. 3-6-27 W.	06/26/87	0.10
FRENCHMAN CREEK NEAR CHAMPION SW1/4NW1/4 SEC. 22-6-40 W.	10/26/87	4.7	WALNUT CREEK NEAR STOCKVILLE SW1/4SW1/4 SEC. 12-6-27 W.	06/26/87	0
FRENCHMAN CREEK AT CHAMPION NW1/4SW1/4 SEC. 22-6-39 W.	10/26/87	9.9	MITCHELL CREEK ABOVE HARRY STRUNK RESERVOIR NW1/4SE1/4 SEC. 22-6-26 W.	06/26/87	0.06
FRENCHMAN CREEK NEAR HAMLET SW1/4SW1/4 SEC. 19-5-34 W.	10/26/87	23	LIME CREEK NEAR HARRY STRUNK RESERVOIR SE1/4NW1/4 SEC. 15-5-26 W.	06/26/87	0.32
STINKING WATER CREEK NEAR WAUNETA SE1/4SE1/4 SEC. 23-7-36 W.	10/26/87	3.7	ELK CREEK NEAR HARRY STRUNK RESERVOIR NE1/4SW1/4 SEC. 25-5-26 W.	06/26/87	0.15
SPRING CREEK NEAR WAUNETA SE1/4NE1/4 SEC. 11-6-36 W.	10/26/87	6.1	DEER CREEK NEAR HOLBROOK NW1/4NW1/4 SEC. 15-4-24 W.	06/30/87	23
<u>MIDDLE REACH OF THE REPUBLICAN RIVER</u>			TIMMONS CREEK NEAR HOLBROOK SW1/4SE1/4 SEC. 27-4-24 W.	06/30/87	0
RED WILLOW CREEK NEAR HAYES CENTER NE1/4NW1/4 SEC. 34-8-32 W.	10/26/87	8.2	MUDDY CREEK NEAR EUSTIS SE1/4NE1/4 SEC. 31-7-24 W.	07/16/87	0
COON CREEK AT INDIANOLA NE1/4SE1/4 SEC. 12-3-28 W.	07/07/87	0	MUDDY CREEK NEAR STOCKVILLE SW1/4SE1/4 SEC. 8-6-24 W.	07/16/87	0.24
BUFFALO CREEK NEAR INDIANOLA NW1/4NW1/4 SEC. 19-3-27 W.	07/07/87	1.3	MUDDY CREEK NEAR HARRY STRUNK RESERVOIR SE1/4SW1/4 SEC. 28-6-24 W.	07/16/87	0.69
MEDICINE CREEK NEAR WELLFLEET SW1/4NE1/4 SEC. 35-10-31 W.	07/23/87	2.0	WEST MUDDY CREEK NEAR HARRY STRUNK RESERVOIR SE1/4NE1/4 SEC. 32-6-24 W.	07/16/87	0.13
MEDICINE CREEK AT HAYWOOD NE1/4NE1/4 SEC. 21-8-29 W.	06/24/87	17	MUDDY CREEK NEAR HOLBROOK NW1/4SW1/4 SEC. 19-5-23 W.	06/30/87	4.1
BRUSHY CREEK NEAR HAYWOOD SW1/4SW1/4 SEC. 28-8-29 W.	06/24/87	0.24	EAST MUDDY CREEK NEAR ARAPAHOE NW1/4NE1/4 SEC. 32-5-23 W.	06/30/87	7.0
SOUTH BRUSHY CREEK NEAR HAYWOOD SW1/4SW1/4 SEC. 29-8-29 W.	06/24/87	0	MUDDY CREEK NEAR ARAPAHOE NW1/4NE1/4 SEC. 6-4-23 W.	06/30/87	23
WELL CANYON AT CURTIS SE1/4SW1/4 SEC. 29-8-28 W.	06/24/87	0	EAST FORK ELK CREEK NEAR ELWOOD NW1/4SW1/4 SEC. 29-6-22 W.	07/16/87	0
MEDICINE CREEK AT CURTIS NE1/4NE1/4 SEC. 32-8-28 W.	06/24/87	21			
FOX CREEK NEAR MOREFIELD SW1/4SE1/4 SEC. 17-9-28 W.	07/23/87	1.8			
CUT CANYON NEAR HAYWOOD NW1/4NE1/4 SEC. 29-9-28 W.	07/23/87	1.0			

<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 REACH OF THE REPUBLICAN RIVER</u>			<u>LOWER REPUBLICAN RIVER</u>		
ELK CREEK NEAR ARAPAHOE SW1/4SW1/4 SEC. 11-4-23 W.	06/30/87	5.1	THOMPSON CREEK, WEST BRANCH, NEAR RIVERTON SW1/4NW1/4 SEC. 4-2-13 W.	10/28/87	2.0
EAST BRANCH TURKEY CREEK NEAR SMITHFIELD NE1/4SW1/4 SEC. 6-6-21 W.	07/16/87	0	THOMPSON CREEK NEAR RIVERTON SW1/4SW1/4 SEC. 3-2-13 W.	10/28/87	16
TURKEY CREEK, EAST BRANCH, NEAR BERTRAND NE1/4NW1/4 SEC. 19-6-21 W.	07/16/87	4.9	FARMERS CREEK NEAR INAVALE SW1/4SE1/4 SEC. 32-2-12 W.	10/28/87	2.7
TURKEY CREEK, EAST BRANCH, TRIB. TO NEAR BERTRAND NW1/4NW1/4 SEC. 19-6-21 W.	07/16/87	0.53	WALNUT CREEK NEAR INAVALE SW1/4NE1/4 SEC. 8-1-12 W.	10/28/87	3.5
TURKEY CREEK, EAST BRANCH, NEAR BERTRAND NE1/4SE1/4 SEC. 36-6-22 W.	07/16/87	7.1	PENNY CREEK NEAR RED CLOUD NE1/4NE1/4 SEC. 16-1-11 W.	10/28/87	0.78
TURKEY CREEK, WEST BRANCH, NEAR ELWOOD SE1/4NE1/4 SEC. 2-5-22 W.	07/16/87	0.12	INDIAN CREEK NEAR RED CLOUD SE1/4SW1/4 SEC. 21-2-11 W.	10/28/87	1.5
TURKEY CREEK NEAR ARAPAHOE NW1/4NW1/4 SEC. 25-5-22 W.	07/16/87	9.1	INDIAN CREEK NEAR RED CLOUD SE1/4SW1/4 SEC. 33-2-11 W.	10/28/87	2.0
TURKEY CREEK NEAR EDISON NW1/4NW1/4 SEC. 12-4-22 W.	07/16/87	9.7	CROOKED CREEK AT RED CLOUD SW1/4NW1/4 SEC. 36-2-11 W.	10/28/87	1.1
SPRING CREEK NEAR ATLANTA SW1/4SE1/4 SEC. 21-5-20 W.	10/29/87	0.64	HICKS CREEK NEAR RED CLOUD NW1/4SW1/4 SEC. 10-1-10 W.	10/28/87	0.25
ELM CREEK NEAR MASCOT NW1/4NW1/4 SEC. 10-4-20 W.	10/29/87	0	WILLOW CREEK NEAR GUIDE ROCK SE1/4SW1/4 SEC. 36-2-10 W.	10/28/87	1.1
SPRING CREEK NEAR OXFORD NW1/4NE1/4 SEC. 15-3-20 W.	10/29/87	1.9	ASH CREEK NEAR GUIDE ROCK SE1/4SW1/4 SEC. 15-1-9 W.	08/04/87 10/28/87	0.64 0.35
ROPE CREEK NEAR ORLEANS SW1/4SE1/4 SEC. 13-2-19 W.	10/29/87	0.54	GIMLET CREEK NEAR SUPERIOR SW1/4NW1/4 SEC. 28-1-8 W.	08/04/87	0.08
COOK CREEK AT ALMA SW1/4SE1/4 SEC. 28-2-18 W.	10/29/87	0.18	BEAVER CREEK NEAR BOSTWICK SE1/4SW1/4 SEC. 32-2-8 W.	08/04/87	2.0
PRAIRIE DOG CREEK NEAR ALMA SE1/4NE1/4 SEC. 33-1-18 W.	10/29/87	0	BEAVER CREEK NEAR SUPERIOR NE1/4NE1/4 SEC. 17-1-8 W.	08/04/87	2.9
<u>LOWER REPUBLICAN RIVER</u>			MIDDLE CREEK NEAR SUPERIOR SW1/4SW1/4 SEC. 10-1-8 W.	08/04/87	0.14
TURKEY CREEK NEAR REPUBLICAN CITY SE1/4SE1/4 SEC. 12-2-17 W.	10/29/87	3.9	COTTONWOOD CREEK NEAR BOSTWICK SW1/4SE1/4 SEC. 34-2-8 W.	08/04/87	0.24
TURKEY CREEK NEAR NAPONEE SW1/4SW1/4 SEC. 4-1-16 W.	10/29/87	9.5	COTTONWOOD CREEK AT BOSTWICK SW1/4SW1/4 SEC. 11-1-8 W.	08/04/87	0.68
REBECCA CREEK NEAR NAPONEE NE1/4NW1/4 SEC. 14-1-16 W.	10/29/87	0.73	LOST CREEK AT SUPERIOR SE1/4SW1/4 SEC. 26-1-7 W.	08/04/87	0.52
COTTONWOOD CREEK NEAR BLOOMINGTON NE1/4NE1/4 SEC. 1-1-16 W.	10/29/87	4.1	BLAKLEY CREEK NEAR SUPERIOR SW1/4SW1/4 SEC. 30-1-6 W.	08/04/87	1.1
LOST CREEK NEAR BLOOMINGTON NW1/4SW1/4 SEC. 10-1-15 W.	10/29/87	2.6			
COATES CREEK NEAR FRANKLIN NW1/4NE1/4 SEC. 33-2-14 W.	10/29/87	1.2			
REAMS CREEK NEAR FRANKLIN SE1/4SW1/4 SEC. 3-1-14 W.	10/29/87	0.76			

REPUBLICAN RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER REPUBLICAN RIVER</u>		
CROSBY CREEK NEAR HARDY NW1/4NW1/4 SEC. 27-1-6 W.	08/04/87	0.03
CROSBY CREEK, TRIBUTARY TO, NEAR HARDY NE1/4NE1/4 SEC. 27-1-6 W.	08/04/87	0
CROSBY CREEK NEAR HARDY NE1/4NW1/4 SEC. 34-1-6 W.	08/04/87	8.2
FORSHA CREEK AT HARDY SW1/4SW1/4 SEC. 32-1-5 W.	08/04/87	0

<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>LOWER BIG BLUE RIVER</u>		
BIG BLUE RIVER NEAR STAPLEHURST SE1/4SW1/4 SEC. 10-12-2 E.	07/01/87	31	CLATONIA CREEK NEAR MOUTH NW1/4NW1/4 SEC. 17-5-5 E.	10/20/87	2.1
LINCOLN CREEK NEAR GRESHAM SW1/4NW1/4 SEC. 26-12-1 W.	07/01/87	32	TURKEY CREEK NEAR DEWITT SW1/4NW1/4 SEC. 15-5-4 E.	10/20/87	43
BIG BLUE RIVER AT MILFORD NW1/4NW1/4 SEC. 26-10-3 E.	08/12/87	247	TURKEY CREEK NEAR DE WITT SW1/4NW1/4 SEC. 24-5-4 E.	10/20/87	45
<u>WEST FORK OF THE BIG BLUE RIVER</u>			TURKEY CREEK NEAR DE WITT NE1/4SW1/4 SEC. 29-5-5 E.	10/20/87	43
BIG BLUE RIVER, WEST FORK, NEAR HASTINGS NE1/4NE1/4 SEC. 3-7-9 W.	06/16/87 07/28/87	4.3 10	BIG BLUE RIVER NEAR BEHRENS BRIDGE NW1/4NE1/4 SEC. 33-5-5 E.	10/20/87	270
BIG BLUE RIVER, WEST FORK, NEAR HARVARD NW1/4NW1/4 SEC. 24-8-8 W.	06/16/87 07/28/87	4.2 13	SOAP CREEK NEAR DE WITT SW1/4SE1/4 SEC. 27-5-5 E.	10/20/87	0.47
TRIBUTARY TO W.F. BIG BLUE RIVER, NEAR STOCKHAM NW1/4SW1/4 SEC. 27-9-6 W.	06/16/87 07/28/87	0.37 3.9	WASTEWAY NEAR HOAG NW1/4NW1/4 SEC. 6-4-5 E.	11/20/87	0
BIG BLUE RIVER, WEST FORK, NEAR STOCKHAM NW1/4NW1/4 SEC. 30-9-5 W.	06/16/87 07/28/87	12 30	WASTEWAY NEAR HOAG SE1/4NE1/4 SEC. 10-4-5 E.	10/21/87	0
SCHOOL CREEK NEAR GRAFTON NW1/4SE1/4 SEC. 3-8-4 W.	06/16/87 07/28/87	2.2 19	BIG BLUE RIVER NEAR HOAG NW1/4NW1/4 SEC. 13-4-5 E.	10/20/87	280
W.F. BIG BLUE NEAR LUSHTON NE1/4NW1/4 SEC. 35-9-4 W.	06/16/87 06/16/87 07/28/87 07/28/87	32 0 48 1.3	BIG BLUE RIVER, NORTH SIDE TRIBUTARY, NEAR HOAG SE1/4SW1/4 SEC. 7-4-6 E.	10/21/87	0
BIG BLUE RIVER, WEST FORK, NEAR MCCOOL JUNCTION NW1/4SW1/4 SEC. 36-9-3 W.	06/16/87 07/28/87	49 90	CUB CREEK, TRIBUTARY TO, NEAR HOMESTEAD NATIONAL MONUMENT SW1/4NW1/4 SEC. 25-4-5 E.	10/21/87	0
TRIBUTARY TO W.F. BIG BLUE RIVER, NEAR MCCOOL JCT. SE1/4SW1/4 SEC. 13-9-3 W.	06/16/87 07/28/87	0 6.0	CUB CREEK NEAR BEATRICE SW1/4SW1/4 SEC. 24-4-5 E.	10/21/87	3.0
WEST FORK BIG BLUE RIVER NEAR MCCOOL JCT. SW1/4NW1/4 SEC. 9-9-1 W.	06/16/87 07/28/87	86 115	BOTTLE CREEK NEAR BEATRICE NW1/4SW1/4 SEC. 30-4-6 E.	10/21/87	0.21
INDIAN CREEK NEAR BEAVER CROSSING SW1/4SW1/4 SEC. 9-9-1 E.	06/16/87 06/16/87 07/28/87 07/28/87	1.9 108 3.2 120	UNAMED TRIB TO BIG BLUE NEAR BEATRICE SW1/4SW1/4 SEC. 29-4-6 E.	10/21/87	0.32
SLEEPY HOLLOW CREEK NEAR BEAVER CROSSING SE1/4SW1/4 SEC. 29-10-1 E.	06/16/87 07/28/87	0.02 0.38	BIG BLUE RIVER, TRIBUTARY TO, NEAR BEATRICE NW1/4NW1/4 SEC. 32-4-6 E.	10/21/87	0
BEAVER CREEK NEAR BEAVER CROSSING SE1/4NE1/4 SEC. 31-10-1 E.	06/16/87 07/28/87	9.4 30	INDIAN CREEK AT BEATRICE SW1/4NW1/4 SEC. 27-4-6 E.	10/21/87	3.3
WALNUT CREEK NEAR BEAVER CROSSING NW1/4NW1/4 SEC. 8-9-2 E.	06/16/87 07/28/87	0.86 0.53	BIG BLUE RIVER AT BEATRICE SE1/4SE1/4 SEC. 4-3-6 E.	10/21/87	290
JOHNSON CREEK NEAR DORCHESTER NE1/4NE1/4 SEC. 6-8-3 E.	06/16/87 07/28/87	5.0 7.0			
<u>LOWER BIG BLUE RIVER</u>					
BIG BLUE RIVER NEAR DE WITT NE1/4SW1/4 SEC. 12-5-4 E.	10/20/87	210			

**MISCELLANEOUS DISCHARGE
MEASUREMENTS OF
CANAL AND PUMP DIVERSIONS**

1987

(HAT 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>HAT CREEK</u>			<u>WHITE RIVER</u>		
HAT CREEK CANAL, WEST--D-553 FROM WEST HAT CREEK SEC. 16-32-55 W.	09/17/87	0	CITY OF CRAWFORD PUMP-- A-2075 FROM WHITE RIVER SEC. 3-31-52 W.	06/29/87	0.21
SOW BELLY CANAL, OLD--D-533 FROM SOW BELLY CREEK SEC. 7-32-55 W.	09/17/87	0	WHITE RIVER CANAL--D-477, A-926 FROM WHITE RIVER SEC. 34-32-52 W.	06/02/87 07/10/87 07/10/87 07/10/87 07/15/87 08/26/87 09/29/87	0 7.6 7.9 8.1 6.0 5.1 8.8
ANDREWS SUPPLY CANAL--A-2530 FROM SOW BELLY CREEK SEC. 5-32-55 W.	09/17/87	0	HARRIS-COOPER CANAL--D-464a, D-464b FROM WHITE RIVER SEC. 26-32-52 W.	06/29/87	8.1
ZIMMERMAN CANAL--A-532, A-4790 FROM SOW BELLY CREEK SEC. 34-33-55 W.	09/17/87	0	ROOS PUMP--A-4740 FROM WHITE RIVER SEC. 26-32-52 W.	06/29/87	0
COFFEE CANAL--D-512 FROM HAT CREEK SEC. 26-33-55 W.	09/17/87	0	WHITNEY PIPELINE--A-1603 A-1625 FROM WHITE RIVER SE1/4NE1/4 SEC. 26-32-52 W.	02/09/87 04/06/87 06/01/87 06/15/87 06/29/87 07/13/87 07/27/87 08/10/87 09/16/87 10/27/87	0 0 0 0 0 0 0 0 0 16
MONROE CANAL, BIG--D-506 FROM MONROE CREEK SEC. 33-33-56 W.	09/21/87	0	STUART BROS. CANAL, SOUTH D-425R, A-8 FROM LITTLE COTTONWOOD CREEK SEC. 18-32-52 W.	04/06/87	4.4
RICHARD JORDAN CANAL--A-2032 FROM MONROE CREEK SEC. 22-33-56 W.	09/21/87	0	RASHER CANAL--D-467 FROM WHITE RIVER SEC. 19-32-51 W.	06/29/87	0
MONTGOMERY CANAL--D-559 FROM SOW BELLY CREEK SEC. 21-33-55 W.	09/17/87	0	BARRON CANAL--D-438 FROM EAST ASH CREEK SEC. 32-32-50 W.	10/15/87 11/23/87 11/23/87 11/25/87 11/25/87	1.2 0.64 0.94 0.60 0.62
WARBONNET CANAL--D-548, A-892 FROM WARBONNET CREEK SEC. 20 & 21-33-56 W.	09/21/87	0	BARRON CANAL--A-2024, A-16376 FROM EAST ASH CREEK SEC. 32-32-50 W.	10/15/87 11/23/87 11/25/87	0 1.1 0.77
KITE CANAL--A-1375 FROM JORDAN RESERVOIR SEC. 13-33-56 W.	09/21/87	0	OX-YOKE STUMPH CANAL--D-447, A-2205 FROM ASH CREEK SEC. 32-32-50 W.	10/01/87	0
CORNELIOUS JORDAN CANAL-- A-841 FROM JORDAN RESERVOIR SEC. 13-33-56 W.	09/21/87	0	STUMP CANAL--D-1023 1/2 FROM EAST ASH CREEK SEC. 32-32-50 W.	11/30/87	0
			<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
			<u>UPPER NIobrARA RIVER</u>		
			OASIS CANAL--D-567 FROM KILPATRICK RESERVOIR SEC. 6-24-51 W.	08/03/87	0
			KILPATRICK CANAL NO. 2 A-1159 FROM KILPATRICK RESERVOIR SEC. 6-24-51 W.	08/03/87	0

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>PUMPKIN CREEK TO KINGSLEY DAM</u>			<u>PUMPKIN CREEK TO KINGSLEY DAM</u>		
PETERS CANAL--D-913 FROM PUMPKIN CREEK SEC. 2-19-56 W.	06/23/87	0	RODGERS PUMP--A-16128 FROM NORTH PLATTE RIVER SEC. 34-20-50 W.	08/20/87	0
SCOTT CANAL--A-711 FROM SCOTT RESERVOIR SEC. 7-19-55 W.	04/24/87 06/23/87	0 0	<u>KINGSLEY DAM TO CONFLUENCE</u>		
LOGAN CANAL--D-902 FROM PUMPKIN CREEK SEC. 7-29-55 W.	04/24/87 06/23/87	0 0	NORTH PLATTE CANAL SPILL INTO LINCOLN COUNTY DRAIN NO. 1	05/04/87 05/11/87 05/26/87	0 0 17
BIG HORN CANAL--A-4027 FROM MUHR RESERVOIR SEC. 25-19-54 W.	06/25/87	0	NE1/4SW1/4 SEC. 24-14-31 W.	06/09/87 06/22/87 07/07/87 07/21/87 08/03/87 08/17/87 08/31/87 09/15/87 10/01/87	24 17 31 7.7 29 27 15 8.8 0
DARNALL PUMP--A-2117 FROM PUMPKIN CREEK SEC. 18-19-53 W.	06/25/87	0	<u>NORTH PLATTE TERMINAL CANAL</u>		
NINE MILE CANAL FROM NINE MILE DRAIN SEC. 10-21-53 W.	06/11/87 06/18/87 06/25/87 07/02/87 07/09/87 07/16/87 07/23/87 07/30/87 08/20/87 08/27/87 09/10/87 09/17/87 09/24/87 10/01/87 10/13/87	20 43 40 42 43 38 41 44 20 17 13 13 13 12 20	NE1/4SE1/4 SEC. 25-14-31 W.	05/19/87 06/02/87 06/16/87 06/29/87 07/27/87 08/10/87 08/24/87 09/08/87 09/22/87 10/01/87	0 0 0 0 0 0 0 0 0 0
OLSEN PUMP--A-11439 FROM PUMPKIN CREEK SEC. 23-19-53 W.	06/25/87	0			
THURMAN PUMP--A-11526 FROM PUMPKIN CREEK SEC. 23-19-53 W.	06/25/87	0			
NIELSEN CANAL--A-6811, A-9051 FROM PUMPKIN CREEK SEC. 30-19-52 W.	04/24/87 06/25/87	0.51 0			
RANDALL CANAL--A-1100 FROM LAWRENCE FORK CREEK SEC. 21-18-52 W.	06/25/87	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.	06/25/87	0.59			
NIEHUS CANAL--A-550 FROM LAWRENCE FORK CREEK SEC. 11-18-52 W.	06/25/87	0			
VARAH PUMP--A-550R FROM LAWRENCE FORK CREEK SEC. 11-18-52 W.	06/25/87	0			
SMITH-WHEELER CANAL, SOUTH D-842A--FROM PUMPKIN CREEK SEC. 26-19-51 W.	06/25/87	1.8			
SMITH-WHEELER CANAL NORTH D-842B--FROM PUMPKIN CREEK SEC. 26-19-51 W.	06/25/87	0			

SOUTH PLATTE RIVER BASIN
(LODGEPOLE 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>LODGEPOLE CREEK</u>			<u>LODGEPOLE CREEK</u>		
TRACY CANAL--A-870 FROM LODGEPOLE CREEK NW1/4SW1/4 SEC. 12-14-59 W.	06/15/87	0.82	CHRISTENSEN CANAL, NORTH-- D-367 FROM LODGEPOLE CREEK SEC. 7-14-51 W.	06/19/87	0
HOOVER CANAL-D-353 FROM LODGEPOLE CREEK SEC. 12-14-59 W.	06/15/87	0	CHRISTENSEN CANAL, SOUTH-- D-366 FROM LODGEPOLE CREEK NW1/4NW1/4 SEC. 7-14-51 W.	06/19/87 08/26/87	0 0
PLATT PUMP--A-12931 FROM LODGEPOLE CREEK NW1/4SE1/4 SEC. 31-15-57 W.	06/15/87	0	SUTTON PUMP--A-16434 FROM LODGEPOLE CREEK SEC. 10-14-51 W.	06/19/87 08/26/87	0 0
ADAMSON PUMP--A-13381 FROM LODGEPOLE CREEK SW1/4NW1/4 SEC. 33-15-57 W.	06/15/87 08/25/87 09/09/87	0 0.15 0	RUNGE PUMP--A-3191, A-3363 FROM LODGEPOLE CREEK SEC. 20-14-50 W.	06/19/87	0
NEW RUTTNER CANAL, NORTH D-350R FROM LODGEPOLE CRFEEK NE1/4SE1/4 SEC. 36-15-57 W.	06/22/87	0	RUNGE CANAL NO. 1--D-339, A-3363 FROM LODGEPOLE CREEK SW1/4SE1/4 SEC. 20-14-50 W.	06/19/87	0
FORSLING-KINNEY CANAL A-718 FROM LODGEPOLE CREEK SEC. 33-15-56 W.	06/22/87	0	RUNGE CANAL NO. 2--D-338 FROM LODGEPOLE CREEK SW1/4SE1/4 SEC. 20-14-50 W.	06/19/87	0
QUINN PUMP-A-857R FROM LODGEPOLE CREEK SEC. 33-15-56 W.	06/22/87	0	BORDWELL CANAL--D-302 FROM LODGEPOLE CREEK SEC. 35-14-49 W.	06/18/87	0
FERGUSON PUMP--D-345R, D-348R FROM LODGEPOLE CREEK SEC. 34-15-56 W.	06/22/87 08/10/87 08/25/87 09/09/87	0 2.1 0 0	BORDWELL CANAL--D-303 FROM LODGEPOLE CREEK SEC. 35-14-49 W.	06/18/87	0
HURLEY-LILLY-POLLY CANAL D-354, A-4818--FROM LODGEPOLE CREEK SE1/4NE1/4 SEC. 26-15-56 W.	06/22/87	0	KRUEGER CANAL #3--D-323 FROM LODGEPOLE CREEK NW1/4NW1/4 SEC. 32-14-48 W.	06/18/87	0
BICKEL-FADEN CANAL--D-347, A-719 FROM LODGEPOLE CREEK SEC. 30-15-55 W.	06/22/87	0	KRUEGER CANAL #2--D-324 FROM LODGEPOLE CREEK SW1/4NW1/4 SEC. 32-14-48 W.	06/18/87	0
STAHLA PUMP--D-347R, A-719R FROM LODGEPOLE CREEK SEC. 30-25-55 W.	06/22/87	0	KRUEGER CANAL #1--D-325 FROM LODGEPOLE CREEK SW1/4SW1/4 SEC. 29-14-48 W.	05/20/87 06/18/87	2.5 0.31
ATKINS-POLLY CANAL--D-342, D-344, A-894R, A-4531-- FROM LODGEPOLE CREEK SE1/4NW1/4 SEC. 30-15-55 W.	06/22/87	0	MISEGADIS PUMP--A-9073 FROM LODGEPOLE CREEK SEC. 36-14-48 W.	06/18/87	0
OWASCO CANAL--D-347R, D-351 FROM LODGEPOLE CREEK NW1/4NW1/4 SEC. 29-15-55 W.	06/19/87 08/26/87 09/09/87 09/28/87	0 0 0.94 0.87	HOWARD CANAL--D-336 FROM LODGEPOLE CREEK SEC. 31-14-47 W.	06/18/87	0
BENNETT CANAL--A-691, A-1975 FROM LODGEPOLE CREEK SW1/4SW1/4 SEC. 22-15-55 W.	06/19/87	0	BOOTH CANAL--D-309, D-310 FROM LODGEPOLE CREEK SEC. 29-14-47 W.	06/18/87	0
MCINTOSH CANAL--D-351, A-734 FROM LODGEPOLE CREEK SEC. 23-15-55 W.	06/19/87 07/13/87	0 0	SHARMAN PUMP NO. 3--A-3825 FROM LODGEPOLE CREEK SEC. 28-14-47 W.	06/19/87	0
CIRCLE ARROW CANAL--D-346 FROM LODGEPOLE CREEK SEC. 30-15-54 W.	06/19/87 07/13/87	0 0	DICKINSON CANAL NO. 2--D-967 FROM LODGEPOLE CREEK SEC. 33-14-47 W.	06/19/87	0
BENNETT CANAL NO. 3--A-934 FROM LODGEPOLE CREEK SEC. 29-15-54 W.	06/19/87 07/13/87	0 0	TOBIN CANAL--D-330 FROM LODGEPOLE CREEK SEC. 28-14-47 W.	06/19/87	0
ADAMS CANAL--D-371 FROM LODGEPOLE CREEK SEC. 3-14-52 W.	06/19/87	0	SHARMAN PUMP--D-330R FROM LODGEPOLE CREEK SEC. 28-14-47 W.	06/19/87	0
			DICKINSON CANAL NO. 1--D-969 FROM LODGEPOLE CREEK SEC. 26-14-47 W.	06/19/87	0

SOUTH PLATTE RIVER BASIN
(LODGEPOLE 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>LODGEPOLE CREEK</u>			<u>SOUTH PLATTE, LODGEPOLE CREEK TO CONFLUENCE</u>		
LIBBY CANAL--D-312 FROM LODGEPOLE CREEK SEC. 36-14-47 W.	06/19/87	0	WESTERN CANAL SPILL TO SOUTH PLATTE RIVER NE1/4NW1/4 SEC. 13-12-43 W.	10/15/87	1.6
OBERFELDER CANAL NO. 2 D-333 FROM LODGEPOLE CREEK SEC. 31-14-46 W.	06/18/87	0			
OBERFELDER CANAL NO. 1 D-307 FROM SPRING CREEK SEC. 31-14-46 W.	06/18/87	0			
OBERFELDER CANAL NO. 3 D-306 FROM LODGEPOLE CREEK SEC. 31-14-46 W.	06/18/87	0			
PERSINGER CANAL--D-297 FROM LODGEPOLE CREEK SEC.33-14-46 W.	06/18/87	0			
BULLOCK CANAL--A-437 FROM LODGEPOLE CREEK SEC.4-13-46 W.	06/18/87	0			
McAULIFFE CANAL--D-814 FROM LODGEPOLE CREEK SEC.21-13-45 W.	06/18/87	0			
SUDMAN PUMP--A-1483, PET.345 FROM LODGEPOLE CREEK SEC. 22-13-45 W.	06/18/87	0			
DERRYS PUMP--A-15933 FROM DERRY RESERVOIR SEC. 26-13-45 W.	06/17/87	0			
NEUMAN CANAL--A-611 FROM LODGEPOLE CREEK SEC. 26-13-45 W.	06/17/87	0			
NEUMAN PUMP--A-611R FROM LODGEPOLE CREEK SEC.25-13-45 W.	06/17/87	0			
NEUMAN PUMP--A-1445F FROM LODGEPOLE CREEK SEC. 26-13-45 W.	06/17/87	0			
SODERQUIST CANAL--A-1420 FROM LODGEPOLE CREEK SEC. 2-12-45 W.	06/17/87	0			
SODERQUIST PUMP--A-1237R FROM LODGEPOLE CREEK SEC. 1-12-45 W.	06/17/87	0			
NASLUND CANAL--A-661 FROM LODGEPOLE CREEK SEC. 1-12-45 W.	06/17/87	0			
<u>SOUTH PLATTE, LODGEPOLE CREEK TO CONFLUENCE</u>					
WESTERN CANAL SPILL	06/28/87	6.8			
TO SOUTH PLATTE RIVER	07/28/87	4.2			
NE1/4NW1/4 SEC. 13-12-43 W.	08/04/87	4.3			
	08/11/87	4.0			
	08/18/87	4.3			
	08/25/87	4.2			
	09/01/87	114			
	09/08/87	58			
	09/15/87	28			
	09/22/87	2.8			
	09/29/87	2.7			
	10/05/87	2.1			

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>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.	06/08/87 06/08/87	0.80 1.0	SUNTYCH PUMP--A-13926 FROM SOUTH LOUP RIVER SEC. 6-12-12 W.	07/31/87	1.0
HANSON PUMP--A-13438 AND A-14228 FROM MIDDLE LOUP RIVER SEC. 12-19-19 W.	07/16/87	2.1	<u>LOUP RIVER, SOUTH LOUP RIVER TO NORTH LOUP RIVER</u>		
PRITSCHAU PUMP--A-15737 AND 16546 FROM MIDDLE LOUP RIVER SEC. 26-13-13 W.	07/24/87 07/28/87	1.4 1.1	STANCZYK PUMP--A-13034 AND A-15744 FROM OAK CREEK SEC. 15-15-13 W.	06/30/87 07/24/87	1.8 1.8
PRITSCHAU PUMP A-13283 FROM MIDDLE LOUP RIVER SEC. 26-13-13 W.	07/31/87	1.0	JAKUBOWSKI PUMP--A-13332 FROM OAK CREEK SEC. 27-15-13 W.	06/30/87 07/22/87	1.1 0.90
<u>SOUTH LOUP RIVER</u>			KROGH PUMP--A-14444, A-14445 FROM OAK CREEK SEC. 30-14-11 W.	06/29/87 07/21/87	2.7 1.9
HICKENBOTTOM PUMP--A-15837 FROM SOUTH LOUP RIVER SEC. 22-15-22 W.	07/06/87	1.1	ALDERMAN PUMP--A-16050 FROM TURKEY CREEK SEC. 19-14-10 W.	06/29/87 07/14/87	2.3 1.3
MYERS PUMP--A-14918 FROM SOUTH LOUP RIVER SEC. 21-14-20 W.	07/30/87	1.2	K.I.L. FARMS--A-13823 FROM TURKEY CREEK SEC. 20-14-10 W.	07/22/87 07/28/87	1.1 1.6
PAULSEN PUMP--A-14730 FROM SOUTH LOUP RIVER SEC. 1-13-20 W.	07/06/87 07/13/87	1.7 2.6	LETH PUMP--A-12843 FROM TURKEY CREEK SEC. 21-14-10 W.	07/14/87 07/22/87	0.70 1.1
WEST DAUGHERTY-SHOEMAKER PUMP A-13105 FROM SOUTH LOUP RIVER SEC. 30-13-18 W.	07/06/87 07/22/87	1.0 0.80	<u>NORTH LOUP RIVER</u>		
MIDDLE DAUGHERTY-SHOEMAKER PUMP--A-13105 FROM SOUTH LOUP RIVER SEC. 30-13-18 W.	07/30/87	0.80	DON ANDERSON PUMP--A-16264 FROM NORTH LOUP RIVER SEC. 24-22-20 W.	07/30/87	0.80
EAST DAUGHERTY-SHOEMAKER PUMP A-13105 FROM SOUTH LOUP RIVER SEC. 32-13-18 W.	08/05/87	0.60	ZIEGLER PUMP--A-15608 FROM NORTH LOUP RIVER SEC. 28-21-17 W.	07/06/87 07/30/87	1.1 1.0
ECKHOUT PUMP--A-13404 FROM SOUTH LOUP RIVER SEC. 7-12-17 W.	08/05/87	1.4	BALLAGH PUMP--A-15685 FROM NORTH LOUP RIVER SEC. 19-21-16 W.	07/16/87 07/22/87	0.90 0.90
ECKHOUT PUMP A-13650 FROM SOUTH LOUP RIVER SEC. 7-12-17 W.	08/05/87	1.6	SHOEMAKER PUMP--A-12675 FROM NORTH LOUP RIVER SEC. 26-19-13 W.	07/21/87	1.6
DOWNEY PUMP--A-13031 FROM SOUTH LOUP RIVER SEC. 6-11-16 W.	07/22/87	0.70	HANSEN PUMP--A-12753 FROM NORTH LOUP RIVER SEC. 22-17-12 W.	07/21/87	2.6
GOLDEN PUMP--A-16138 FROM MUD CREEK SEC. 18-16-19 W.	07/30/87	0.60	SHOEMAKER PUMP--A-15791 FROM DAVIS CREEK SEC. 2-16-13 W.	07/15/87 07/28/87	0.30 0.30
CHAMBERLIN PUMP--A-13657 FROM MUD CREEK SEC. 32-15-17 W.	07/30/87	1.4	DAVIS CR. LAND AND CATTLE-- A-15159 FROM DAVIS CREEK SEC. 34-17-12 W.	07/06/87 07/22/87	2.5 2.8
WAGNER EST. PUMP--A-13352 FROM MUD CREEK SEC. 35-15-17 W.	06/30/87	1.1	JACOBSEN PUMP--A-14639 FROM NORTH LOUP RIVER 35-17-12 W.	06/29/87 07/14/87	3.9 5.0
CORNFORD PUMP--A-15465 FROM MUD CREEK SEC. 27-14-16 W.	07/30/87 08/05/87	0.90 0.80	ENDER PUMP--A-13200 FROM NORTH LOUP RIVER SEC. 18-16-11 W.	07/02/87 07/14/87 07/21/87	1.9 1.1 1.2
			LESTER WELLS PUMP--A-14871 FROM NORTH LOUP RIVER SEC. 20-16-11 W.	06/29/87 07/21/87	1.6 1.8

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>NORTH LOUP RIVER</u>			<u>LOWER LOUP RIVER ABOVE CEDAR RIVER</u>		
LASSEN PUMP--A-15501 FROM MUNSON CREEK SEC. 1-15-12 W.	07/14/87	0.50	WERNER PUMP--A-15151 FROM LOUP RIVER SEC. 9-15-9 W.	06/29/87 07/02/87 07/20/87	1.5 1.7 1.9
LASSON PUMP A-15802 FROM MUNSON CREEK SEC. 1-15-12 W.	07/21/87 07/31/87	1.1 0.70	WEST TIBBETTS PUMP--A-13591 FROM LOUP RIVER SEC. 7-15-7 W.	07/02/87	1.2
BURHOOD PUMP--A-14238 FROM MUNSON CREEK SEC. 5-15-11 W.	06/21/87	1.7	KILDAY INC. PUMP--A-13752 FROM LOUP RIVER SEC. 12-15-8 W.	07/29/87	1.6
BURHOOD PUMP A-14391 FROM MUNSON CREEK SEC. 5-16-11 W.	06/29/87	1.2	EAST TIBBETTS ET. AL. PUMP-- A-13591 FROM LOUP RIVER SEC. 7-15-7 W.	06/29/87	2.2
WILSON PUMP--A-14224 FROM MUNSON CREEK SEC. 33-16-11 W.	06/29/87 07/15/87	0.80 0.90	J. H. RUSSELL PUMP--A-13955, A-12825 FROM LOUP RIVER SEC. 8-15-7 W.	07/02/87	2.7
WILSON PUMP--A-14225 FROM NORTH LOUP RIVER SEC. 34-16-11 W.	06/29/87 07/21/87 07/28/87	0.70 0.70 0.70	RUSSELL J.H. PUMP A-13954, A-14718 FROM LOUP RIVER SEC. 8-15-7 W.	07/02/87	3.3
SPILINEK PUMP--A-15426 FROM AUGER CREEK SEC. 8-15-11 W.	07/06/87 07/15/87	1.3 0.70	A. RUSSELL PUMP--A-13679, A-14504 FROM LOUP RIVER SEC. 4-15-7 W.	06/29/87 07/02/87	5.5 3.7
POSS PUMP--A-13353 FROM NORTH LOUP RIVER SEC. 18-15-10 W.	07/24/87	0.30	SONDERUP PUMP--A-15515 FROM LOUP RIVER SEC. 33-16-7 W.	07/13/87	1.7
POSS PUMP A-15798 FROM NORTH LOUP RIVER SEC. 18-15-10 W.	07/06/87	0.30	PETERSON PUMP--A-14565 FROM LOUP RIVER SEC. 3-15-7 W.	07/20/87	3.1
ANDERSON PUMP--A-16215 FROM NORTH LOUP RIVER SEC. 17-15-10 W.	06/29/87 07/24/87	0.60 0.70	ARNOLD PUMP A-14895 FROM LOUP RIVER SEC. 3-15-7 W.	07/02/87	2.6
AMBROSE PUMP--A-15924 NORTH LOUP RIVER, TRIB. TO SEC. 24-15-10 W.	07/06/87 07/15/87 07/24/87	0.90 1.3 0.50	CUNNINGHAM PUMP--A-13581 FROM LOUP RIVER SEC. 2-15-7 W.	07/20/87	2.1
<u>LOWER LOUP RIVER ABOVE CEDAR RIVER</u>			ZIMMER PUMP--A-15043 FROM LOUP RIVER SEC. 35-16-7 W.	07/20/87	1.4
QUIRING PUMP--A-13563 FROM SPRING CREEK SEC. 19-17-9 W.	07/31/87	0.50	CUNNINGHAM PUMP A-15438 FROM LOUP RIVER SEC. 35-16-7 W.	07/13/87	1.8
WAGNER PUMP--A-3767 FROM SPRING CREEK SEC. 18-16-9 W.	07/31/87	1.1	MORRISON PUMP A-15309 FROM LOUP RIVER SEC. 35-16-7 W.	07/23/87	1.6
ANDERSON PUMP--A-14239 FROM SPRING CREEK SEC. 30-16-9 W.	07/24/87	1.2	LESIAK PUMP--A-12994 FROM LOUP RIVER SEC. 1-15-7 W.	08/03/87	1.4
BERST PUMP--A-9959 FROM SPRING CREEK SEC. 29-16-9 W.	07/30/87	2.6	ZIMMER PUMP--A-15042 FROM LOUP RIVER SEC. 29-16-6 W.	06/29/87 07/02/87 07/20/87	1.3 1.2 1.9
BYERLY PUMP--A-8455 FROM SPRING CREEK SEC. 32-16-9 W.	07/31/87	1.4	<u>CEDAR RIVER</u>		
JUSTESEN PUMP--A-10134 FROM SPRING CREEK SEC. 5-15-9 W.	08/03/87	0.50	BRINKMAN PUMP--A-13810 FROM CEDAR RIVER SEC. 33-21-11 W.	07/14/87	1.0
ANDERSON PUMP--A-15997, A-16403 FROM SPRING CREEK SEC. 8-15-9 W.	07/24/87	1.6	MARTINSEN PUMP--A-12680 FROM CEDAR RIVER SEC. 8-19-8 W.	07/28/87	0.90

PLATTE RIVER BASIN
(LOUP RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge C.f.s.</u>
<u>CEDAR RIVER</u>		
KAYTON PUMP--A-16131 FROM CEDAR RIVER SEC. 5-18-7 W.	07/13/87 07/20/87	1.0 1.2
SCOTT PUMP--A-15535 FROM CEDAR RIVER SEC. 1-17-7 W.	07/23/87 08/03/87	1.4 1.5
NELSON PUMP--A-13198 FROM CEDAR RIVER SEC. 19-17-6 W.	07/13/87	1.1
DOUTHIT PUMP--A-15005 FROM CEDAR RIVER SEC. 33-17-6 W.	07/20/87	1.8
DOUTHIT PUMP--A-15004 FROM CEDAR RIVER SEC. 4-16-6 W.	07/13/87	1.8
WONDERCHECK, L. PUMP A-13416 FROM CEDAR RIVER SEC. 11-16-6 W.	07/13/87 07/28/87	3.1 2.9
J. WONDERCHECK PUMP--A-13930 FROM CEDAR RIVER SEC. 11-16-6 W.	06/29/87 07/20/87	1.3 1.9
<u>LOWER LOUP RIVER BELOW CEDAR RIVER</u>		
SMALL BROS. PUMP--A-16577 FROM PLUM CREEK SEC. 29-17-5 W.	07/28/87	0.70
SMALL PUMP--A-13448 FROM PLUM CREEK SEC. 28-17-5 W.	07/28/87	0.60
ZAREK PUMP--A-16216 FROM LOUP RIVER SEC. 36-17-5 W.	07/13/87	1.0

MISCELLANEOUS DATA

1987

PRECIPITATION AT VARIOUS POINTS
Data Compiled for Calendar Year from Records
of the United States Weather Bureau
Values in Inches
1987

	Normal		1987	
	Monthly	Accumulative	Monthly	Accumulative
*MITCHELL STATION, SCOTTSBLUFF COUNTY--ELEVATION 4080				
January	0.25	0.25	0.06	0.06
February	0.24	0.49	0.93	0.99
March	0.56	1.05	0.84	1.83
April	1.31	2.36	0.23	2.06
May	2.63	4.99	6.14	8.20
June	3.41	8.40	1.44	9.64
July	1.56	9.96	1.48	11.12
August	1.16	11.12	4.04	15.16
September	1.07	12.19	0.64	15.80
October	0.79	12.98	0.03	15.83
November	0.33	13.31	0.93	16.76
December	0.29	13.60	No report	
*74 year record				
*BRIDGEPORT STATION, MORRILL COUNTY--ELEVATION 3666				
January	0.35	0.35	0.03	0.03
February	0.29	0.64	1.19	1.22
March	0.72	1.36	1.27	2.49
April	1.42	2.78	1.05	3.54
May	3.10	5.88	5.19	8.73
June	3.67	9.55	1.08	9.81
July	2.40	11.95	1.94	11.75
August	1.38	13.33	4.29	16.04
September	1.42	14.75	1.61	17.65
October	0.83	15.58	0.25	17.90
November	0.33	15.96	0.54	18.44
December	0.34	16.30	0.89	19.33
*89 year record				
*OSHKOSH STATION, GARDEN COUNTY--ELEVATION 3393				
January	0.35	0.35	0.00	0.00
February	0.38	0.73	1.61	1.61
March	0.83	1.56	1.02	2.63
April	1.66	3.22	0.57	3.20
May	3.16	6.38	4.95	8.15
June	3.27	9.65	2.02	10.17
July	2.64	12.29	2.90	13.07
August	2.03	14.32	2.88	15.95
September	1.50	15.82	0.77	16.72
October	0.99	16.81	0.47	17.19
November	0.57	17.38	1.11	18.30
December	0.35	17.73	1.04	19.34
*74 year record				
*NORTH PLATTE STATION, LINCOLN COUNTY--ELEVATION 2775 (Airport)				
January	0.45	0.45	0.16	0.16
February	0.52	0.97	1.55	1.71
March	0.99	1.96	1.65	3.36
April	1.93	3.89	1.01	4.37
May	3.26	7.15	3.19	7.56
June	3.77	10.92	3.95	11.51
July	2.98	13.90	2.81	14.32
August	2.07	15.97	1.19	15.51
September	2.01	17.98	1.16	16.67
October	0.99	18.97	1.67	18.34
November	0.52	19.49	1.26	19.60
December	0.41	19.90	0.31	20.41
*47 year record				
*GOTHENBURG STATION, DAWSON COUNTY--ELEVATION 2565				
January	0.45	0.45	0.08	0.08
February	0.54	0.99	1.75	1.83
March	1.15	2.14	2.19	4.02
April	2.03	4.17	1.16	5.18
May	3.25	7.42	3.00	8.18
June	4.43	11.85	7.29	15.47
July	2.82	14.67	3.43	18.90
August	2.53	17.20	2.39	21.29
September	2.08	19.28	2.07	23.36
October	1.16	20.44	0.68	24.04
November	0.54	20.98	1.61	25.65
December	0.45	21.43	0.75	26.40
*92 year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1987	
	Monthly	Accumulative	Monthly	Accumulative
*GRAND ISLAND STATION, HALL COUNTY--ELEVATION 1841				
January	0.52	0.52	0.06	0.06
February	0.76	1.28	0.72	0.78
March	1.18	2.46	6.63	7.41
April	2.47	4.93	1.37	8.78
May	3.78	8.71	4.86	13.64
June	4.40	13.11	1.34	14.98
July	3.00	16.11	1.32	16.30
August	2.54	18.65	5.41	21.71
September	2.51	21.16	1.19	22.90
October	1.08	22.24	0.79	23.69
November	0.61	22.85	1.19	24.88
December	0.56	23.41	0.81	25.69
*94 year record				
*SIDNEY STATION, CHEYENNE COUNTY --ELEVATION 4320				
January	0.30	0.30	0.05	0.05
February	0.32	0.62	1.35	1.40
March	0.88	1.50	1.02	2.42
April	1.64	3.14	0.31	2.73
May	3.27	6.41	4.61	7.34
June	3.56	9.97	3.21	10.55
July	2.53	12.50	1.80	12.35
August	1.79	14.29	2.17	14.52
September	1.35	15.64	1.03	15.55
October	1.03	16.67	0.29	15.84
November	0.49	17.16	0.54	16.38
December	0.39	17.55	0.50	16.88
*58 year record				
*ORD STATION, VALLEY COUNTY--ELEVATION 2070				
January	0.62	0.62	0.05	0.05
February	0.86	1.48	1.37	1.42
March	1.40	2.88	6.61	8.03
April	2.25	5.13	0.91	8.94
May	3.39	8.52	4.31	13.25
June	4.33	12.85	0.60	13.85
July	2.68	15.53	2.97	16.82
August	2.64	18.17	4.74	21.56
September	2.39	20.56	2.30	23.86
October	1.41	21.97	0.52	24.38
November	0.63	22.60	1.47	25.85
December	0.65	23.25	1.00	26.85
*96 year record				
*CULBERTSON STATION, HITCHCOCK COUNTY--ELEVATION 2720				
January	0.47	0.47	0.13	0.13
February	0.53	1.00	1.45	1.58
March	1.07	2.07	1.73	3.31
April	1.84	3.91	1.32	4.63
May	3.26	7.17	3.25	7.88
June	3.46	10.63	4.86	12.74
July	3.32	13.95	1.86	14.60
August	2.46	16.41	1.63	16.23
September	1.92	18.33	0.74	16.97
October	1.31	19.64	0.58	17.55
November	0.64	20.28	2.94	20.49
December	0.49	20.77	0.98	21.47
*99 year record				

PRECIPITATION AT VARIOUS POINTS--Concluded

	Normal		1987	
	Monthly	Accumulative	Monthly	Accumulative
*GENOA STATION, NANCE COUNTY--ELEVATION 1590				
January	0.47	0.47	0.09	0.09
February	0.90	1.37	0.69	0.78
March	1.20	2.57	8.76	9.54
April	2.42	4.99	0.62	10.16
May	3.78	8.77	4.42	14.58
June	4.80	13.57	1.80	16.38
July	3.26	16.83	2.82	19.20
August	3.07	19.90	7.19	26.39
September	2.68	22.58	2.71	29.10
October	1.38	23.96	0.62	29.72
November	0.58	24.54	1.50	31.22
December	0.70	25.24	0.80	32.02
*111 year record				
*HOLDREGE STATION, PHELPS COUNTY--ELEVATION 2330				
January	0.58	0.58	0.05	0.05
February	0.80	1.38	1.00	1.05
March	1.33	2.71	6.63	7.68
April	2.29	5.00	1.39	9.07
May	4.07	9.07	6.33	15.40
June	4.83	13.90	7.55	22.95
July	3.12	17.02	4.78	27.73
August	2.65	19.67	1.44	29.17
September	2.56	22.23	0.93	30.10
October	1.53	23.76	0.66	30.76
November	0.60	24.36	2.28	33.04
December	0.58	24.94	0.54	33.58
*97 year record				
*FORT ROBINSON STATION, DAWES COUNTY--ELEVATION 3807				
Last data reported May 1984				

MONTHLY EVAPORATION IN FEET--1987

STATION	May	June	July	Aug.	Sept.	Total
Pathfinder Dam	0.613	0.903	0.878	0.741	0.610	3.745
Whalen Dam	0.524	0.761	0.835	0.675	0.513	3.308
Bridgeport	0.874	0.827	0.933	1.155	0.493	4.282
Kingsley Dam	-	No data reported -			-	-
North Platte	0.606	0.898	1.090	0.922	0.770	4.286

DISCHARGE INTO NORTH PLATTE RIVER FROM DRAINS
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
Values in Acre-feet
For Calendar Year Ending December 31, 1987

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Bald Drain	74	92	120	103	3030	3300	1710	1240	1940	65	54	72	11800
Bayard Sugar Factory Drain	1220	1020	1370	830	2600	1510	3070	2780	1640	1440	1550	1260	20290
Cleveland Drain	61	68	114	131	331	658	758	676	930	778	66	48	4619
DeGraw Drain	177	236	377	172	466	514	524	369	659	276	181	173	4124
Dugout Creek, Upper	274	216	212	159	1821	3112	1716	4413	3798	464	309	266	16760
Fairfield Seep	0	21	72	96	108	109	131	178	158	122	48	9	1052
Fanning Seep	0	0	0	0	0	0	0	0	0	0	0	0	0
Gering Drain	1870	1480	1590	1520	6820	8020	7170	9530	10890	2090	1850	1840	54670
Horse Creek	1850	1570	5090	6470	11090	20960	7950	11390	15350	3560	1860	1540	88680
Indian Creek	397	329	373	329	724	1717	2340	2723	2435	579	377	341	12714
Lane Drain	122	119	105	105	154	148	153	143	140	127	136	148	1600
Melbeta Drain	88	95	136	97	323	375	756	1035	825	765	180	122	4797
Nine Mile Drain	5210	4380	4920	4510	9430	6520	9040	14170	12160	6500	5180	5040	87060
Red Willow Creek	4360	3650	3930	3790	11400	8170	7840	10540	13660	7460	5020	4240	84060
Scottsbluff Drain No. 1	162	190	236	161	197	263	605	494	433	233	238	276	3488
Scottsbluff Drain No. 2	177	145	179	164	259	302	710	555	505	334	276	375	3981
Sheep Creek	5290	4420	4930	4400	1260	407	485	2030	1530	6100	5310	5060	42022
Spottedtail Creek, Dry	1440	1370	1870	1240	3810	2560	5970	6360	5230	2410	2420	1820	36500
Spottedtail Creek, Wet	615	688	821	593	821	688	813	785	744	710	674	716	8668
Tub Springs Creek	2570	1900	1860	1300	3000	2560	2350	3990	3770	3620	2760	2330	32010
Winters Creek	2680	1980	2820	2810	4180	3370	2660	6460	6120	4240	3180	2800	4330
Totals	28637	23969	31125	28980	61824	65263	56751	80661	82967	41873	31669	28476	562195

SUMMARY OF MONTHLY DIVERSIONS FOR IRRIGATION BY SECTIONS, BETWEEN
GUERNSEY, WYOMING AND ODESSA, NEBRASKA

Values in Acre-feet

For the Calendar Year Ending December 31, 1987

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Guernsey to Whalen	0	0	0	29500	63440	96220	453390	228670	128670	0	0	0	999890
Whalen to State Line	0	0	0	0	10789	13512	30710	27185	17636	0	0	0	99832
State Line to Mitchell	0	0	0	0	33686	47207	89953	62631	45494	0	0	0	278971
Mitchell to Minatare	0	0	0	510	2600	6200	15860	12990	10480	2640	0	0	51280
Minatare to Bridgeport	0	0	0	910	9269	15088	23559	16531	14077	820	0	0	80254
Bridgeport to Lisco	0	0	0	0	2181	5778	9842	6898	3017	1020	0	0	28736
Lisco to Keystone	0	0	0	0	60	5700	12840	9260	8490	3160	0	0	39510
Keystone to North Platte	0	0	0	1310	13070	23810	31080	33200	9250	630	0	0	112350
North Platte to Odessa	0	0	0	8430	64350	86760	147190	156270	26560	17350	118550	6690	632150
Totals	0	0	0	40660	199445	300275	814424	553635	263674	25620	118550	6690	2322973

SUMMARY
DIVERSIONS AND ACREAGE IRRIGATED BY CANALS

Canal	Calendar Year 1987		Diverted Per Acre
	Acreage Irrigated	Acre-Feet Total	
Ainsworth	34701	70580	2.03
Alliance	6143	17010	2.77
Bartley	5716	9030	1.58
Beerline	2080	1910	0.92
Belmont	8912	30850	3.46
Birdwood	4982	5120	1.03
Blue Creek	2740	7890	2.88
Browns Creek	6120	11490	1.88
Burwell-Sumpter	7434	14450	1.94
Cambridge	14603	25210	1.72
Castle Rock-Steamboat	5950	18930	3.18
Central	1984	4960	2.50
Champion	328	2070	*
Chimney Rock	5222	11490	2.20
Cody-Dillon	4173	4350	1.04
Court House Rock	1289	1290	1.00
Courtland for Nebraska and Kansas	34698	51980	1.50
Cozad	16742	30030	1.79
Culbertson	21090	25650	1.22
Dawson County	19922	57650	2.89
Earnest	442	804	1.82
Empire	2075	5280	2.54
Enterprise	7404	21340	2.88
Farwell	51009	72620	1.42
Fort Laramie for Wyoming and Nebraska	104852	294210	3.55
Franklin	9146	26300	2.87
Franklin Pump	1919	2870	1.50
Gering	12334	36080	2.93
Gothenburg	17014	53270	3.13
Graf	807	2220	2.75
Harris-Neece	1434	1890	1.32
Hooper	842	2130	2.53
Interstate	112449	389210	3.46
Kearney	2559	124260	**
Keith-Lincoln County	5519	19340	3.50
Last Chance	179	350	1.96
Lakotah	410	530	1.29
Lichte	386	161	0.42
Lisco	3490	12860	3.68
McGinley-Stover	735	297	0.40
McLaughlin	350	779	2.23
Meeker-Driftwood	13606	30330	2.23
Meredith-Ammer	336	838	2.49
Middle Loup Canal No. 1	3525	5750	1.63
Middle Loup Canal No. 2	3991	6070	1.52
Middle Loup Canal No. 3	9333	13820	1.48
Middle Loup Canal No. 4	9606	12810	1.33
Midland-Overland	2214	1880	0.85

SUMMARY
DIVERSIONS AND ACREAGE IRRIGATED BY CANALS

Canal	Calendar Year 1987		
	Acreage Irrigated	Acre-Feet Total	Diverted Per Acre
Minatare	9212	16040	1.74
Mirage Flats	11658	17430	1.50
Mirdan	1000	5840	5.84
Mitchell	12268	16830	1.37
Naponee	1527	2530	1.66
Nine Mile	6078	7510	1.24
North Platte	14039	48220	3.43
Northport	16105	50530	3.14
Orchard-Alfalga	5975	10110	1.69
Ord-North Loup	6185	12850	2.08
Paisley	1076	3000	2.79
Paxton-Hershey	7323	16850	2.30
Pioneer	270	396	1.47
Potmesll	562	1170	2.08
Ramshorn	0	0	0.00
Red Willow	4253	8740	2.06
Riverside	419	2130	5.08
Sargent	14042	25930	1.85
Sheridan-Wilson	216	580	2.69
Short Line	2778	6420	2.31
Six Mile	1359	2650	1.95
Suburban	5431	17890	3.29
Superior	4710	14000	2.97
Taylor-Ord	13637	25840	1.89
Thirty Mile	19172	40680	2.12
#Tri-County	89643	313500	3.50
Tri-State	63222	211170	3.34
Union	1067	1930	1.81
Western	12411	20460	1.65
Winters Creek	5745	4130	0.72

*For irrigation and storage

**For irrigation and power

#For irrigation exclusive of power

COMPARISON OF STORAGE IN RESERVOIRS

1987 Calendar Year

Name of Reservoir	Capacity Top of Irrig. Pool Acre-feet	Maximum Storage 1987		Carryover Dec. 31, 1987	
		Acre-feet	%Average	Acre-feet	%Average
1 Pathfinder (ownership)	a 1,016,510	1,016,510	104	454,920	75
1 Glendo (ownership)	a 184,870	183,240	102	146,940	109
Lake C. W. McConaughy	a 1,948,000	1,679,400	97	1,470,600	97
Oliver	b 2,680	2,730	90	2,670	104
Whitney	a 10,000	10,610	103	7,190	113
Box Butte	a 31,060	19,000	105	6,520	78
2 Enders	a 44,480	30,290	86	20,900	94
2 Harry Strunk Lake	a 37,140	38,570	97	29,280	106
2 Swanson Lake	a 120,160	106,600	96	66,380	95
2 Harlan County	a 342,560	325,500	100	278,610	112
2 Hugh Butler Lake	a 37,780	32,910	92	26,010	92
Sherman	a 69,080	69,360	100	51,060	102
Merritt	a 74,490	70,500	94	68,830	105
Calamus	c 127,400	108,750	169	108,340	169

- 1 Capacity to top of irrigation pool consists of 64,780 a.f. of dead and power head water, 100,000 storage for irrigation and 20,090 evaporation loss.
- 2 When maximum storage exceeds capacity of irrigation pool, it indicates some water is being held in flood control pool.
- a 1970-1987 record for average
- b 1981-1987 record for average - water stored for recreation
- c 1985-1987 record for average

NOTE: There is no irrigation water storage in the Oliver Reservoir

ANNUAL MAXIMUM WITHDRAWAL OF MUNICIPAL WELLS (GALLONS PER DAY)

Well Field	Permitted to Withdraw	1967	1968	1969	1970	1971
Alliance	22,500,000	10,572,000	11,457,000	12,062,000	11,753,000	13,468,000
Ashland	360,000	720,000	572,000	658,000	384,000	505,000
Beatrice	6,500,000	-----	-----	-----	-----	5,801,000
Bellevue	10,000,000	2,626,900	2,657,800	2,213,300	2,885,000	2,900,000
Columbus	12,160,000	5,752,800	3,520,400	4,210,032	4,333,000	3,735,710
Fairbury	5,000,000	1,201,847	2,109,000	3,000,000	3,000,000	3,013,900
Fremont	98,000,000	35,800,000	37,200,000	39,000,000	42,600,000	44,300,000
Gothenburg	4,000,000	-----	-----	-----	1,728,000	1,609,700
Grand Island	119,184,000	39,356,000	35,063,000	43,164,000	54,668,000	42,840,000
Harvard	2,000,000	-----	569,750	627,900	1,007,718	974,950
Hastings	30,400,000	15,293,300	18,700,000	15,213,000	-----	-----
Holdrege	10,000,000	3,040,000	4,245,000	3,964,300	4,410,000	4,534,000
Kearney	24,048,000	-----	-----	-----	-----	-----
Kimball	5,300,000	-----	1,900,000	-----	-----	-----
Laurel	1,152,000	250,000	469,200	307,000	400,000	480,000
Leigh	130,000	110,000	70,000	63,000	155,000	165,000
Lower Niobrara NRD	864,000	-----	-----	-----	-----	-----
Lincoln	72,000,000	64,697,500	69,732,500	68,250,000	82,000,000	80,200,000
Minden	2,500,000	296,967	720,000	1,357,376	1,270,987	1,452,176
Nebraska City	7,592,000	3,129,000	3,785,000	3,167,000	4,470,000	4,470,000
North Platte	28,584,000	10,185,000	-----	12,295,000	14,759,000	12,050,000
Omaha (M.U.D.)	60,000,000	2,000,000	49,900,000	43,400,000	52,270,000	54,380,000
Papillion	5,000,000	300,000	700,000	61,000	180,000	200,000
Plattsmouth	3,000,000	905,760	1,038,000	894,900	1,167,600	1,097,700
Reynolds	216,000	100,000	50,000	-----	50,000	33,000
Scottsbluff	20,000,000	6,463,128	7,002,214	7,560,000	6,430,000	7,270,000
Seward	9,300,000	2,934,000	1,805,000	1,603,000	1,691,285	168,224
Superior	3,100,000	1,500,000	-----	977,700	1,262,000	-----
Sutton	1,430,000	250,000	225,000	275,000	400,000	1,000,000
Syracuse	300,000	273,305	289,000	266,000	306,630	287,292
Wakefield	10,000,000	475,000	300,000	-----	95,000	110,000
Wayne	1,440,000	-----	-----	-----	-----	-----
Western	576,000	-----	-----	-----	-----	-----

ANNUAL MAXIMUM WITHDRAWAL OF MUNICIPAL WELLS (GALLONS PER DAY)

Well Field	1972	1973	1974	1975	1976	1977
Alliance	11,285,000	12,635,000	13,445,000	15,206,000	6,970,000	6,540,000
Ashland	500,000	525,000	1,200,000	1,150,000	1,163,000	1,150,000
Beatrice	6,165,000	7,214,000	7,218,000	7,945,000	6,711,000	5,634,000
Bellevue	2,266,600	2,678,300	2,776,800	2,400,000	2,372,000	2,636,300
Columbus	3,486,000	5,158,000	5,961,000	7,060,000	7,500,000	5,921,000
Fairbury	3,010,000	3,000,000	3,807,564	3,574,000	3,200,000	3,125,000
Fremont	42,000,000	42,843,000	35,573,000	35,017,000	40,181,000	34,152,000
Gothenburg	1,806,000	2,116,800	1,017,500	3,171,800	3,342,700	1,626,965
Grand Island	38,517,000	-----	42,209,000	36,528,000	40,096,000	39,696,000
Harvard	971,900	581,226	972,801	489,690	-----	304,687
Hastings	15,863,850	18,404,475	19,723,232	18,380,225	18,710,100	16,335,200
Holdrege	4,232,600	4,901,400	5,664,800	5,178,600	5,130,300	5,309,800
Kearney	-----	-----	-----	-----	-----	-----
Kimball	2,000,000	1,914,190	2,587,581	1,944,477	2,000,000	1,800,000
Laurel	480,000	570,000	500,000	500,000	500,000	500,000
Leigh	150,000	145,000	130,000	120,000	140,000	150,000
Lower Niobrara NRD	-----	-----	-----	-----	-----	-----
Lincoln	82,000,000	76,500,000	84,392,000	80,754,000	76,046,700	72,628,000
Minden	1,412,396	1,699,247	2,530,000	2,449,500	2,376,250	1,910,800
Nebraska City	3,740,000	3,262,000	4,318,000	4,075,000	3,723,000	4,010,000
North Platte	13,260,000	14,660,000	17,130,000	-----	14,620,000	17,717,000
Omaha (M.U.D.)	60,500,000	61,520,000	60,120,000	57,200,000	49,340,000	53,200,000
Papillion	750,000	-----	2,616,528	1,373,120	2,520,516	2,521,772
Plattsmouth	1,072,000	1,163,000	1,515,000	1,515,000	2,200,000	2,100,000
Reynolds	-----	15,506	90,000	21,778	27,400	70,000
Scottsbluff	6,210,000	8,250,000	11,130,000	10,610,000	12,800,000	12,000,000
Seward	2,167,400	1,914,100	3,522,000	2,159,000	2,819,700	2,917,700
Superior	1,532,000	3,094,000	-----	1,464,000	1,561,000	1,142,000
Sutton	1,000,000	450,000	880,400	810,260	882,026	450,000
Syracuse	268,384	422,000	427,595	431,000	510,000	547,000
Wakefield	410,000	375,000	469,000	524,000	500,000	407,000
Wayne	-----	-----	-----	-----	-----	-----
Western	-----	-----	-----	-----	-----	-----

ANNUAL MAXIMUM WITHDRAWAL OF MUNICIPAL WELLS (GALLONS PER DAY)

Well Field	1978	1979	1980	1981	1982	1983
Alliance	3,951,000	6,030,000	8,360,000	8,910,000	9,030,000	8,980,000
Ashland	1,800,000	187,660	1,324,000	-----	1,140,000	993,767
Beatrice	4,929,348	5,101,623	5,800,000	5,806,100	4,424,861	4,609,774
Bellevue	1,770,000	1,656,100	1,801,200	2,257,900	2,081,050	2,448,460
Columbus	4,769,000	8,087,000	8,087,000	8,043,000	8,320,000	11,065,000
Fairbury	3,090,000	2,930,200	3,659,000	3,006,100	2,991,600	4,195,000
Fremont	40,333,000	32,478,000	42,027,000	28,665,000	26,681,000	30,341,000
Gothenburg	2,813,000	2,307,700	5,245,800	3,425,500	3,215,200	4,160,100
Grand Island	38,336,500	40,067,600	42,379,200	35,937,500	26,952,000	34,381,000
Harvard	286,950	653,257	864,870	445,064	224,702	697,661
Hastings	16,641,725	17,354,300	15,532,100	13,849,225	13,728,443	17,690,690
Holdrege	5,779,000	4,144,400	5,707,000	5,300,200	5,493,000	6,010,300
Kearney	-----	-----	-----	-----	-----	3,349,000
Kimball	1,768,540	1,550,000	-----	1,593,300	1,249,071	1,502,538
Laurel	500,000	500,000	500,000	500,000	500,000	500,000
Leigh	60,000	120,000	497,000	325,000	355,000	248,000
Lower Niobrara NRD	-----	-----	-----	-----	-----	-----
Lincoln	73,881,736	74,210,000	85,904,000	89,158,100	78,500,000	87,980,000
Minden	2,303,750	2,120,000	2,196,750	1,744,750	1,863,250	2,416,250
Nebraska City	4,230,000	3,850,000	3,900,000	4,290,000	2,835,000	3,400,000
North Platte	16,211,215	7,067,000	18,530,715	17,890,375	8,346,570	17,405,375
Omaha (M.U.D.)	56,720,000	56,790,000	58,140,000	58,910,000	55,520,000	56,510,000
Papillion	2,939,768	3,777,000	3,601,000	4,596,400	3,213,000	5,161,700
Plattsmouth	1,626,000	1,772,000	1,837,000	2,226,000	1,521,000	2,206,000
Reynolds	49,300	168,000	78,600	82,290	34,600	78,000
Scottsbluff	11,410,000	9,974,700	10,821,000	11,776,800	11,960,400	11,255,600
Seward	1,686,000	1,581,158	2,348,212	1,567,833	1,509,000	1,413,000
Superior	1,006,774	991,967	1,397,000	1,353,000	1,339,000	1,590,000
Sutton	500,850	600,500	935,520	313,264	73,930	417,412
Syracuse	483,000	464,000	538,000	606,000	465,000	587,000
Wakefield	425,000	432,000	485,000	410,000	425,000	450,000
Wayne	-----	-----	-----	-----	-----	-----
Western	-----	-----	-----	-----	-----	-----

ANNUAL MAXIMUM WITHDRAWAL OF MUNICIPAL WELLS (GALLONS PER DAY)

Well Field	1984	1985	1986	1987
Alliance	7,800,000	7,920,000	3,531,000	11,699,000
Ashland	505,832	647,700	797,400	1,008,800
Beatrice	5,608,000	2,491,155	869,313	1,784,200
Bellevue	2,121,100	1,918,900	1,992,170	1,782,530
Columbus	10,210,000	9,583,000	11,815,000	11,274,000
Fairbury	2,720,400	3,129,300	3,070,000	4,847,600
Fremont	20,510,000	25,880,000	26,257,000	34,391,000
Gothenburg	3,696,100	4,308,400	3,756,600	3,577,100
Grand Island	29,341,000	22,315,000	27,732,000	31,273,000
Harvard	745,019	1,088,800	573,642	426,319
Hastings	15,219,910	15,062,255	13,859,333	15,748,175
Holdrege	5,397,800	6,433,300	5,137,900	4,759,100
Kearney	10,383,000	9,218,000	9,470,000	10,053,000
Kimball	1,838,773	1,730,214	1,425,050	
Laurel	500,000	500,000	460,000	910,000
Leigh	447,000	349,000	189,000	291,000
Lincoln	77,620,000	81,114,000	76,674,000	63,090,000
Lower Niobrara NRD	259,200	203,000	360,000	506,000
Minden	2,155,000	2,105,000	1,844,250	2,008,000
Nebraska City	3,605,000	3,040,000	2,732,120	2,652,200
North Platte	15,700,995	27,560,333	12,030,900	16,813,815
Omaha (M.U.D.)	62,200,000	63,500,000	63,250,000	62,500,000
Papillion	4,677,000	4,895,600	723,000	486,000
Plattsmouth	2,002,000	2,261,000	1,887,000	2,180,000
Reynolds	56,600	95,600	44,800	256,600
Scottsbluff	10,054,100	10,584,700	10,803,500	11,161,000
Seward	1,177,000	3,271,000	2,087,880	1,343,850
Superior	1,493,000	1,421,000	Relinquished	
Sutton	500,000	808,287	1,200,000	2,030,000
Syracuse	512,000	548,000	201,600	201,600
Wakefield	420,000	400,000	350,000	500,000
Wayne	-----	-----	-----	1,228,100
Western	-----	-----	60,000	70,000

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