

STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES

HYDROGRAPHIC REPORT

1986

STATE OF NEBRASKA
DEPARTMENT OF WATER RESOURCES

STORAGE IN RESERVOIRS

DAILY DISCHARGE RECORDS OF MISCELLANEOUS
STREAMS AND CANAL DIVERSIONS

1986

Prepared Under the Direction of Michael Jess
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HYDROGRAPHIC REPORT 1986

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 1986. 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**

1986

WHITE RIVER BASIN

WHITNEY RESERVOIR from White River - 1986
 Gage Location: NW1/4SE1/4 Sec. 34-33-51 W.
 near Whitney
 Measuring Device: Stage observation
 Period of Record: 1925 - 1929, 1933 - 1942, 1944 - 1986

Date	Contents (acre-feet)
November 14, 1985	3200
January 15, 1986	5620
March 3, 1986	8167
April 2, 1986	9170
May 2, 1986	10640
May 16, 1986	10385
June 16, 1986	10655
June 30, 1986	10295
July 14, 1986	9800
August 13, 1986	8660
September 4, 1986	6910
October 9, 1986	7470
December 13, 1986	8788

Appropriations: A-1603

NIOBRARA RIVER BASIN

BIGELOW-SEYMOUR CANAL from Niobrara River - 1986
 Gage Location: NE1/4NE1/4 Sec. 19-31-57 W.
 near Harrison
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1986

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

Appropriations: D-510

HOOVER PUMP from Niobrara River - 1986
 Gage Location: NW1/4SW1/4 Sec. 21-31-57 W.
 near Harrison
 Measuring Device: Operator reported time
 Period of Record: 1955 - 1956, 1970 - 1986

May	June	July	Aug.	Sept.	Total (Acre-Feet)
10	0	10	6	3	29

Appropriations: D-510R

NIOBRARA RIVER BASIN

JOHNSON CANAL from Niobrara River - 1986

Gage Location: SE1/4SE1/4 Sec. 35-31-57 W.
near Harrison

Measuring Device: Stage recorder and concrete flume

Period of Record: 1956 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0.2	0	0	0
4	0	0.4	0	0	0
5	0	0	0	0	0
6	0.8	0	0	0	0
7	1.5	0	0	0	0
8	1.5	0	0	0	0
9	1.9	0	0	0	0
10	1.9	0	0	0	0
11	1.8	0	0	0	0
12	0.6	0	0	0	0
13	0.4	0	0	0	0
14	0.4	0	0	0	0
15	0.3	0	0	0	0
16	0.4	0	0	0	0
17	0.4	0	0	0	0
18	0.4	0	0	0	0
19	0.4	0	0	0	0
20	0.7	0	0	0	0
21	0.7	0	0	0	0
22	0.4	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	0.6	0	0	0	0
28	2.9	0	0	0	0
29	1.8	0	0	0	0
30	0	0	0	0	0
31	0	---	0	0	---
Total	19.8	0.6	0	0	0
Mean	0.6	0	0	0	0
Max.	2.9	0.4	0	0	0
Min.	0	0	0	0	0
A.P.	39	1	0	0	0
Total 5 Months	---	---	40	A.P.	---

Appropriations: D-511R

EARNEST CANAL (SOUTH) from Niobrara River - 1986

Gage Location: SW1/4SE1/4 Sec. 9-29-56 W.
near Harrison

Measuring Device: Stage recorder and concrete flume

Period of Record: 1956 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	2.7	0.8	4.6
2	0	0	2.6	0.9	4.1
3	0	0	2.6	1	2.2
4	0	0	2.5	1.2	1.8
5	0	0	2.5	1.5	1.7
6	0	0	2.5	2.5	1.6
7	0	0.3	2.5	3.3	1.6
8	0	1.1	2.5	3.7	1.5
9	0	0.7	2.5	3.4	1.4
10	0	1.2	2.6	1.9	1.4
11	0	2.5	2.7	0	1.5
12	0	3.9	2.7	0	1.6
13	0	4.1	2.7	0	1.4
14	0	3.2	2.5	0	1.3
15	0	3.1	2.4	0	1.3
16	0	3.6	2.5	0	1.2
17	0	3.7	2.6	1.2	1.2
18	0	3.5	2.5	2.1	1.6
19	0	3.3	2.5	1.9	2
20	0	3.2	3.1	1.9	2.3
21	0	3.1	3.7	1.8	1
22	0	3.1	3.1	1.7	0
23	0	3.2	2	1.7	0
24	0	3.3	1.6	1.6	0
25	0	3	1.3	1.7	0
26	0	3	1	1.6	0
27	0	3	1	1.7	0
28	0	3	1	1.8	0
29	0	2.8	0.5	2	0
30	0	2.8	0.6	2.1	0
31	0	---	0.6	2.4	---
Total	0	67.7	68.1	47.8	38.3
Mean	0	2.3	2.2	1.5	1.3
Max.	0	4.1	3.7	3.8	4.6
Min.	0	0	0.5	0	0
A.P.	0	134	135	95	76
Total 5 Months	---	---	440	A.P.	---

Appropriations: D-514a

LAKOTAN CANAL from Niobrara River - 1986

Gage Location: NW1/4NE1/4 Sec. 1-30-57 W.
near Harrison

Measuring Device: Stage recorder and 2 ft. Parshall flume

Period of Record: 1956 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	3.4	2.5	1.9	1.7	1
2	0	3	2.4	1.9	1.7	1
3	0	2.6	2.6	1.6	1.8	0.3
4	0	2.8	3	1.7	1.8	0
5	0	3.1	2.8	1.6	1.8	0
6	0.9	3.4	2.7	1.7	1.9	0
7	0.9	3.6	2.4	1.5	2	0
8	1.1	3.9	2.2	1.6	2.1	0
9	1.6	4.3	2	1.5	2.1	0
10	1.8	7.9	2.1	1.4	2.1	0
11	1.6	7.4	2.2	1.4	2	0
12	2.6	7.9	2.1	1.3	2.1	0
13	4.8	6.4	2	1.3	2.2	0
14	4.5	5	1.9	1.5	2.3	0
15	4.4	4.5	1.8	1.6	2.4	0
16	4.5	4.2	2	1.8	2.2	0
17	4.6	3.8	2.1	1.7	2.4	0
18	4.6	3.7	2	1.6	2.7	0
19	4.4	3.6	2.2	1.4	2.8	0
20	3.5	3.5	2.4	1.4	2.1	0
21	3.4	3.4	2.5	1.5	1.3	0
22	3.2	3.4	2.4	1.6	1.1	0
23	3.4	2.7	2.4	1.6	0.9	0
24	3.6	0	2.4	1.7	0.9	0
25	3.7	0	2.4	1.8	1.1	0
26	3.7	0.8	2.3	1.8	1.1	0
27	3.6	2.7	2.2	1.8	1.1	0
28	3.4	2.7	2.2	1.8	1.1	0
29	3.4	2.6	2	1.8	1.1	0
30	3.5	2.4	1.9	1.7	0.9	0
31	3.5	---	1.9	1.7	---	0
Total	64.2	108.7	70	50.2	52.6	2.3
Mean	3	4	2	2	2	0
Max.	4.8	7.9	3	1.9	2.8	1
Min.	0	0	1.8	1.3	0.9	0
A.P.	170	220	140	100	100	0
Total 6 Months	---	---	730	A.P.	---	---

Appropriations: D-554

EARNEST CANAL (NORTH) from Niobrara River - 1986

Gage Location: NE1/4SE1/4 Sec. 9-29-56 W.
near Harrison

Measuring Device: Stage recorder and concrete flume

Period of Record: 1956 - 1986

Date	May	June	July	Aug.	Sept.
1	0	2.2	0	0	6.7
2	0	2.3	0	0	4.7
3	0	3.1	0	0	1.9
4	0	3.5	0	0	1.6
5	0	3.5	0	0	1.4
6	0	3.7	0	0	1.5
7	0	3.9	0	0	1.5
8	0	4.6	0	0	1.4
9	0	4.9	0	0	1.3
10	0	6.4	0	1.3	0.5
11	0	5.6	0	2.4	0
12	0	3.6	0	2.3	0
13	0	2.6	0	2.3	0
14	0	0	0	2.1	0
15	0	0	0	2	0
16	0	0	0	2.1	0
17	0	0	0	2	0
18	0	0	0	1.1	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	1.5	---
Total	0	49.9	0	19.1	22.5
Mean	0	1.7	0	0.6	0.8
Max.	0	6.4	0	2.4	6.7
Min.	0	0	0	0	0
A.P.	0	99	0	38	45
Total 5 Months	---	---	182	A.P.	---

Appropriations: D-514b, A-1362

NIOBRARA RIVER BASIN

McGINLEY-STOVER CANAL from Niobrara River - 1986
 Gage Location: SW1/4SE1/4 Sec. 25-29-56 W.
 near Agate
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1986

Date	May	June	July	Aug.	Sept.
1	0	3.4	3.3	0	0
2	0	3.4	3.2	0	0
3	0	2.9	3.1	0	0
4	0	3.2	3.1	0	0
5	0	3.3	3	0	0
6	0	3.8	3.3	0	0
7	0	4.2	3.9	0	0
8	0	3.7	3.9	0	0
9	0	3.2	3.9	0	0
10	0	2.1	4.3	0	0
11	0.5	0.8	4.7	0	0
12	4.2	0.7	4.5	0	0
13	3.7	0.6	1.7	0	0
14	3.2	0.5	0	0	0
15	5.2	0.5	0	0	0
16	5	0.5	0	0	0
17	4.8	0.6	0	0	0
18	4.5	0.5	0	0	0
19	4.2	0.9	0	0	0
20	3.9	3.8	0	0	0
21	3.9	3.8	0	0	0
22	3.8	3.8	0	0	0
23	3.8	3.9	0	0	0
24	3.7	3.9	0	0	0
25	3.7	4.7	0	0	0
26	3.8	4.4	0	0	0
27	3.9	4	0	0	0
28	4	3.9	0	0	0
29	4.4	3.7	0	0	0
30	4.3	3.4	0	0	0
31	3.7	---	0	0	---
Total	82.2	82.1	45.9	0	0
Mean	2.7	2.7	1.5	0	0
Max.	5.2	4.7	4.7	0	0
Min.	0	0.5	0	0	0
A.F.	163	163	91	0	0
Total 5 Months	---	---	417	A.F.	---

Appropriations: D-513aR, D-513b

COOK CANAL NO. 1 from Niobrara River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	1.5	0	0	0
2	0	1.5	0	0	0.2
3	0	1.2	0	0	0.2
4	0	1.3	0	0	0.2
5	0	1.6	0	0	0.2
6	0	1.6	0	0	0.2
7	0	1.6	0	0	0.2
8	0	1.4	0	0	0.2
9	0	1.5	0	0	0
10	0	0.7	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	0.9	0	0	0	0
16	2.6	0	0	0	0
17	2.2	0	0	0	0
18	1.8	0	0	0	0
19	2.9	0	0	0	0
20	3.6	0	0	0	0
21	2.7	0	0	0	0
22	2.3	0	0	0	0
23	2.1	0	0	0	0
24	2	0	0	0	0
25	1.9	0	0	0	0
26	1.8	0	0	0	0
27	1.8	0	0	0	0
28	1.8	0	0	0	0
29	1.8	0	0	0	0
30	1.8	0	0	0	0
31	1.6	---	0	0	---
Total	35.6	13.9	0	0	1.4
Mean	1.1	0.5	0	0	0
Max.	3.6	1.6	0	0	0.2
Min.	0	0	0	0	0
A.F.	71	28	0	0	3
Total 5 Months	---	---	102	A.F.	---

Appropriations: D-980

COOK PUMP from Niobrara River - 1986
 Gage Location: SE1/4NW1/4 & NW1/4SE1/4 Sec. 1-28-56 W.
 near Agate
 Measuring Device: Operator reported time
 Period of Record: 1981 - 1986

May	June	July	Aug.	Sept.	Total (Acre-Feet)
9	15	49	36	1	110

Appropriations: D-980

HOFFMAN PUMP from Niobrara River - 1986
 Gage Location: SW1/4SE1/4 Sec. 3-28-55 W.
 near Agate
 Measuring Device: Operator reported time
 Period of Record: 1956, 1970 - 1986

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

Appropriations: A-5772

NIOBRARA RIVER BASIN

HARRIS-NEECE CANAL from Niobrara River - 1986

Gage Location: SE1/4NW1/4 Sec. 3-28-55 W.
near Agate

Measuring Device: Stage recorder and concrete flume

Period of Record: 1956 - 1986

Date	May	June	July	Aug.	Sept.
1	0	11	11	10	0
2	0	9.6	11	10	0
3	0	9.5	9.2	10	0
4	0	9.2	0	11	0
5	0	9.7	0	10	0
6	0	10	0	10	0
7	0	10	0	9.6	0
8	0	10	0	9	0
9	0	10	0	9	0
10	0	0	0	8.8	8.1
11	0	0	0	8.6	12
12	0	0	0	8.8	10
13	0	0	0	9.4	0
14	0	0	4.8	9.5	0
15	0	0	9.5	9.5	0
16	0	0	9.2	9.3	0
17	0	14	8.8	9.1	0
18	0	14	8.1	9.1	0
19	0	14	7.7	9.1	0
20	0	14	7	6	0
21	0	14	7.2	0	0
22	0	14	8	0	0
23	1	14	9.4	0	0
24	6.4	14	10	0	0
25	11	14	10	0	0
26	12	14	11	0	0
27	12	14	11	0	0
28	12	13	12	0	0
29	12	12	12	0	0
30	12	12	11	0	0
31	12	---	11	0	---
Total	90.4	280	198.5	185.8	30.1
Mean	2.9	9.3	6.4	6	1
Max.	12	14	12	11	12
Min.	0	0	0	0	0
A.P.	179	555	394	369	60
Total 5 Months	---	---	1560	A.F.	---

Appropriations: D-517, A-2275

METTLEN CANAL from Niobrara River - 1986

Gage Location: NE1/4NW1/4 Sec. 4-28-54 W.
near Agate

Measuring Device: Stage recorder and concrete flume

Period of Record: 1956 - 1986

Date	May	June	July	Aug.	Sept.
1	0	4.6	5	0	0
2	0	3.7	4.7	0.5	0
3	0	3.8	5	1.3	0
4	0	4	5.3	3.3	0
5	0	4.6	5.5	3.6	0
6	0	4.2	5.5	3.3	0.5
7	0	3.9	5.6	3	1.6
8	2.1	2.8	5.6	3.2	0
9	5.6	0	6	2.9	0
10	8.5	1.4	4.5	2.7	0
11	7	1.6	0	2.7	0
12	6.7	1.3	0	2.8	0
13	6.6	1.2	0	2	0
14	5.1	1.4	0	0	0
15	3.9	1.3	0	0	0
16	4.1	1	0	0	0
17	3.8	0.2	0	0	0
18	2.8	0	0	0	0
19	3	0	0.1	0	0
20	7.9	0	3.4	0	0
21	6.4	0	5.3	0	0
22	7.3	0	3.9	0	0
23	7.6	0	1	0	0
24	7.8	0	0	0	0
25	4.8	0	0	1.2	0
26	3	0	0	5	0
27	3.8	0	0	5.1	0
28	5	2.9	0	4.8	0
29	5.3	3.7	0	0	0
30	4.9	4.1	0	0	0
31	5.9	---	0	0	---
Total	128.9	51.7	66.4	47.4	2.1
Mean	4.2	1.7	2.1	1.5	0.1
Max.	8.5	4.6	6	5.1	1.6
Min.	0	0	0	0	0
A.P.	256	103	132	94	4
Total 5 Months	---	---	589	A.F.	---

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

LABELLE CANAL from Niobrara River - 1986

Gage Location: NW1/4NW1/4 Sec. 6-28-54 W.

near Harrison

Measuring Device: Stage recorder and concrete flume

Period of Record: 1956 - 1986

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

Appropriations: D-518, A-60

BENNETT-KAY CANAL from Niobrara River - 1986

Gage Location: SE1/4NE1/4 Sec. 1-28-54 W.
near Agate

Measuring device: Stage recorder and concrete flume

Period of Record: 1958 - 1986

Date	May	June	July	Aug.	Sept.
1	0	3.4	0	0	0
2	0	3.3	0	0	0
3	0	3.3	0	0	0
4	0	3.3	0	0	0
5	0	3.4	0	0	0
6	0	3.5	2.7	0	0
7	0	3.4	4.2	0	0
8	0	3	3.9	0	0
9	0	0	4	0	0
10	0	0	1.5	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	2.3	0	0	0
20	0	3.1	0	0	0
21	0	3.2	0	0	0
22	0	2.7	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	4.5	0	0	0	0
28	4.4	0	0	0	0
29	4.3	0	0	0	0
30	4.1	0	0	0	0
31	3.7	---	0	0	---
Total	21	37.9	16.3	0	0
Mean	0.7	1.3	0.5	0	0
Max.	4.5	3.5	4.2	0	0
Min.	0	0	0	0	0
A.F.	42	75	32	0	0
Total 5 Months	---	---	149	A.F.	---

Appropriations: A-1249

NIOBRARA RIVER BASIN

MOORE-KAY CANAL from Niobrara River - 1986
 Gage Location: SE1/4NE1/4 Sec. 9-28-53 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1986

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	0.3	0	0	0	0
9	1.9	0	0	0	0
10	1.6	0.5	0	0	0
11	1.6	0.5	0	0	0
12	1.2	0.5	0	0	0
13	1	0.5	0	0	0
14	1.1	0.5	0	0	0
15	1	0.5	0	0	0
16	0.8	0.5	0	0	0
17	0.9	0.5	0	0	0
18	0.8	0.4	0	0	0
19	0.7	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	13.1	4.4	0	0	0
Mean	0.4	0.1	0	0	0
Max.	1.9	0.5	0	0	0
Min.	0	0	0	0	0
A.F.	26	9	0	0	0
Total 5 Months	----	----	15	A.F.	----

Appropriations: A-88

ARMSTRONG PUMP from Niobrara River - 1986
 Gage Location: SW1/4NW1/4 Sec. 9-28-53 W.
 near Marsland
 Measuring Device: Operator reported time
 Period of Record: 1970 - 1986

May	June	July	Aug.	Sept.	Total (Acre-Feet)
7	32	12	0	0	51

Appropriations: A-10870

GEO HITSHEW CANAL from Niobrara River - 1986
 Gage Location: SE1/4SE1/4 Sec. 6-28-52 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1986

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	2.3	0	0	0
12	0	2.6	0	0	0
13	0	1	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	0	5.9	0	0	0
Mean	0	0.2	0	0	0
Max.	0	2.6	0	0	0
Min.	0	0	0	0	0
A.F.	0	12	0	0	0
Total 5 Months	----	12	A.F.	----	----

Appropriations: A-1260

HITSHEW PUMP NO. 2 from Niobrara River - 1986
 Gage Location: SE1/4SE1/4 Sec. 6-28-52 W.
 near Marsland
 Measuring Device: Operator reported time
 Period of Record: 1956, 1970 - 1986

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

Appropriations: A-4862

NIOBRARA RIVER BASIN

McLAUGHLIN CANAL from Niobrara River - 1986

Gage Location: SW1/4SE1/4 Sec. 9-28-52 W.
near Marsland

Measuring Device: Stage recorder and concrete flume

Period of Record: 1956 - 1986

Date	May	June	July	Aug.	Sept.
1	0	8.6	5.8	1.2	0.7
2	0	7.1	5.9	1.6	0.7
3	0	6.3	6	1.5	0.8
4	0	6.7	5.4	1.5	0.8
5	0	9.8	4.6	1.4	0.8
6	0	13	4.8	1.3	0.7
7	0	13	5.1	1.2	0.7
8	0	10	3.3	1.2	0.7
9	0	10	3.2	1.2	0.7
10	0	10	5.3	1.3	0.7
11	0	10	6.5	1.3	0.5
12	0	5.2	7.6	2.1	0.4
13	0	8.9	8.4	1.5	0.4
14	0	8.2	7.6	1.6	0.4
15	0	7.1	7.1	0.7	0.4
16	0	6.5	9.5	0	0.4
17	0	6.3	6.8	0	0
18	0	5.9	4.4	0	0
19	0	6.3	3.6	0	0
20	0	5.6	3.7	0	0
21	0	4.7	3.4	0	0
22	0	3.9	1.5	0	0
23	0	6.7	0	0	0
24	0	7.1	0	0	0
25	0	7.1	0	0	0
26	0	7.1	0	0	0
27	0	7.3	0	0	0
28	0	6.4	0	0.9	0
29	0	5.9	0.5	0.8	0
30	0	5.6	1.4	0.8	0
31	2.9	---	1.3	0.8	---
Total	2.9	226.3	122.7	23.9	9.8
Mean	0.1	7.5	4	0.8	0.3
Max.	2.9	13	9.5	2.1	0.8
Min.	0	3.9	0	0	0
A.F.	6	449	243	47	19
Total 5 Months	---	---	764	A.F.	---

Appropriations: D-566

HUGHES CANAL from Niobrara River - 1986

Gage Location: SE1/4SE1/4 Sec. 1-28-52 W.

near Marsland

Measuring Device: Stage recorder and concrete flume

Period of Record: 1956 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	0.8	0	0
2	0	0	0.9	0	0
3	0	0	1	0	0
4	0	0	1	0	0
5	0	0	0.9	0	0
6	0	0	1	0	0
7	0	0	1.1	0	0
8	0	0	1	0	0
9	0	0	1	0	0
10	0	0	1.2	0	0
11	0	0	1.4	0	0
12	0	0	1	0	0
13	0	0	1.1	0	0
14	0	0	1.1	0	0
15	0	0	0.6	0	0
16	0	0	1	0	0
17	0	0	0.5	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	0.4	0	0	0
25	0	0.8	0	0	0
26	0	0.7	0	0	0
27	0	0.7	0	0	0
28	0	0.7	0	0	0
29	0	0.8	0	0	0
30	0	0.8	0	0	0
31	0	---	0	0	---
Total	0	4.9	16.6	0	0
Mean	0	0.2	0.5	0	0
Max.	0	0.8	1.4	0	0
Min.	0	0	0	0	0
A.F.	0	10	33	0	0
Total 5 Months	---	---	43	A.F.	---

Appropriations: D-907A, D-907B

EXCELSIOR CANAL from Niobrara River - 1986

Gage Location: NE1/4NE1/4 Sec. 10-28-56 W.

near Marsland

Measuring Device: Stage recorder and concrete flume

Period of Record: 1956 - 1986

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	0.2	0	0	0
12	2	0.9	0	0	0
13	6	0.6	0	0	0
14	6.5	0.2	0	0	0
15	6.6	0	0	0	0
16	6.6	0	0	0	0
17	6.8	0	0	0	0
18	6.4	0	0	0	0
19	6.2	0	0	0	0
20	6	0	0	0	0
21	5.6	0	0	0	0
22	5.3	0	0	0	0
23	5.2	0	0	0	0
24	4.7	0	0	0	0
25	4.5	0	0	0	0
26	4.6	0	0	0	0
27	4.5	0	0	0	0
28	4.6	0	0	0	0
29	3.4	0	0	0	0
30	0	0	0	0	0
31	0	---	0	0	---
Total	95.5	1.9	0	0	0
Mean	3.1	0.1	0	0	0
Max.	6.8	0.9	0	0	0
Min.	0	0	0	0	0
A.F.	189	4	0	0	0
Total 5 Months	---	---	193	A.F.	---

Appropriations: D-568, A-2264

DAVISON PUMP from Niobrara River - 1986

Gage Location: NW1/4NE1/4 Sec. 12-28-54 W.

near Marsland

Measuring Device: Operator reported time

Period of Record: 1956, 1970 - 1986

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

Appropriations: A-1662

NIOBRARA RIVER BASIN

PIONEER CANAL from Niobrara River - 1986
 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

Date	May	June	July	Aug.	Sept.
1	0	7	0	0	0
2	0	6	0	0	0
3	0	5	0	0	0
4	0	4	0	0	0
5	0	3.4	0	0	0
6	0	3.3	0	0	0
7	0	3.1	0	0	0
8	0	3.1	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	3.8	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	3.2	0	0	0	0
23	8.9	0	0	0	0
24	3.5	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	5.1	0	0	0	0
30	9	0	0	0	0
31	8	---	0	0	---
Total	37.7	38.7	0	0	0
Mean	1.2	1.3	0	0	0
Max.	9	7	0	0	0
Min.	0	0	0	0	0
A.P.	75	77	0	0	0
Total 5 Months	----	152	A.P.		

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

CIRCLE PUMP from Niobrara River - 1986
 Gage Location: NE1/4SW1/4 Sec. 5-28-51 W.
 near Marsland
 Measuring Device: Operator reported time
 Period of Record: 1970 - 1986

May	June	July	Aug.	Sept.	Oct.	Total (acre-feet)
0	6	0	0	0	2	8

Appropriations: A-4758

PIONEER PUMP from Niobrara River - 1986
 Gage Location: SE1/4SW1/4 Sec. 30-29-50 W.
 near Marsland
 Measuring Device: Operator reported time
 Period of Record: 1981 - 1986

May	June	July	Aug.	Sept.	Total (Acre-Feet)
0	21	45	54	0	120

Appropriations: A-3812R

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

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

Appropriations: A-16398

NIOBRARA RIVER BASIN

FURMAN CANAL (North) from Niobrara River - 1986
 Gage Location: SW1/4SW1/4 Sec. 29-29-50 W.
 near Marsland
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1956 - 1986

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

Appropriations: D-462

ENTERPRISE CANAL PUMP from Niobrara River - 1986
 Gage Location: NW1/4SE1/4 Sec. 27-29-50 W.
 near Marsland
 Measuring Device: Operator reported time
 Period of Record: 1977 - 1986

May	June	July	Aug.	Sept.	Total (Acre Feet)
3	21	23	0	0	47

Appropriations: D-461, A-5181

BOX BUTTE RESERVOIR from Niobrara River - 1986
 Gage Location: SW1/4NE1/4 Sec. 28-29-49 W.
 near Duniap
 Measuring Device: Stage observation
 Period of Record: 1946 - 1986

Date	STORAGE LEVEL				ELEVATION (Feet)				CONTENT (Acre-feet)			
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							18000	3200	2800			
2												
3										4200		
4												
5												
6							15070					
7												
8								7750	2390			
9					16340	17100						
10												
11							14500					
12												
13							17910					
14			11630	14340								
15								6220				
16												
17												
18							18000	12900				
19									3050			
20					16900							
21												
22								4450				
23							11860					9960
24												
25			12850			18000						
26												
27								3490				
28		9860										
29	7220			15700		18160	10300					
30									3850		8400	
31			13270		17000		9190	2800		6370		10260

Appropriations: A-2709A, A-3456

DELSING PUMP from Niobrara River - 1986
 Gage Location: SW1/4NW1/4 Sec. 35-29-49 W.
 near Dunlap
 Measuring Device: Operator reported time
 Period of Record: 1983 - 1986

May	June	July	Aug.	Sept.	Total (Acres Feet)
40	30	20	0	0	90

Appropriations: A-16048

MONTAGUE PUMP from Niobrara River - 1986
 Gage Location: SE1/4NE1/4 Sec. 28-29-48 W.
 near Dunlap
 Measuring Device: Operator reported time
 Period of Record: 1956, 1970 - 1986

May	June	July	Aug.	Sept.	Total (Acres Feet)
0	10	74	57	0	141

Appropriations: A-2266, A-10716

MONTAGUE CANAL from Niobrara River - 1986
 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 - 1986

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	0.3	0
5	0	0	0	1.1	0
6	0	0	0	0.8	0
7	0	0	0	0.8	0
8	0	0	0	0.7	0
9	0	0	0	0.6	0
10	0	0	0	0.7	0
11	0	0	0	0.5	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	0.7	0
17	0	0	0	0.8	0
18	0	0	0	0.8	0
19	0	0	0	0.7	0
20	0	0	0	0.7	0
21	0	0	0	0.8	0
22	0	0	0	0.8	0
23	0	0	0	0.9	0
24	0	0	0	0.9	0
25	0	0	0	0.9	0
26	0	0	0	0.9	0
27	0	0	0	0.9	0
28	0	0	0	0.9	0
29	0	0	0	0.9	0
30	0	0	0	0.4	0
31	0	---	0	0	---

Total	0	0	0	17.5	0
Mean	0	0	0	0.6	0
Max.	0	0	0	1.1	0
Min.	0	0	0	0	0
A.F.	0	0	0	35	0
Total 5 Months	---	---	35	A.F.	---

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

LICHTE CANAL from Niobrara River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	0	0	2
2	0	0	0	0	2.1
3	0	0	0	0	2.1
4	0	0	0	0	2
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	0.9	0
13	0	0	0	2.8	0
14	0	0	0	1.8	0
15	0	0	0	0	0
16	0	0	0	1.6	0
17	0	0	0	3	0
18	0	0	0	3	0
19	0	0	0	3	0
20	0	0	0	3	0
21	0	1.6	0	3.1	0
22	0	1.8	0	3.3	0
23	0	1.8	0	3.3	0
24	0	1.8	0	3.3	0
25	0	1.4	0	3.1	0
26	0	0	0	3.1	0
27	0	0	0	2.2	0
28	0	0	0	2	0
29	0	0	0	2	0
30	0	0	0	1.4	0
31	0	---	0	2	---

Total	0	8.4	0	47.9	8.2
Mean	0	0.3	0	1.5	0.3
Max.	0	1.8	0	3.3	2.1
Min.	0	0	0	0	0
A.F.	0	17	0	95	16
Total 5 Months	---	---	128	A.F.	---

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

NIOBRARA RIVER BASIN

MIRAGE FLATS CANAL from Niobrara River - 1986
 Gage Location: SE1/4NW1/4 Sec. 26-29-48 W.
 near Dunlap
 Measuring Device: Stage recorder and 10 ft. Parshall flume
 Period of Record: 1948 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	24	137	93
2	0	0	99	75	85
3	0	0	130	75	78
4	0	0	142	95	67
5	0	0	142	113	67
6	0	0	146	131	68
7	0	0	165	137	67
8	0	0	164	142	34
9	0	0	151	132	0
10	0	0	140	134	0
11	0	0	136	145	0
12	0	0	133	150	0
13	0	0	131	133	0
14	0	0	123	122	0
15	0	0	133	122	0
16	0	0	136	115	0
17	0	0	145	117	0
18	0	0	142	143	0
19	0	0	134	155	0
20	0	0	140	149	0
21	0	0	149	143	0
22	0	0	139	131	0
23	0	0	138	124	0
24	0	0	141	125	0
25	0	0	140	126	0
26	0	0	132	127	0
27	0	0	135	113	0
28	0	0	155	100	0
29	0	0	152	104	0
30	0	0	151	90	0
31	0	---	155	93	---
Total	0	0	4243	3816	559
Mean	0	0	137	123	19
Max.	0	0	165	158	93
Min.	0	0	24	75	0
A.F.	0	0	8420	7570	1110
Total 5 Months	---	---	17100	A.F.	---

Appropriations: A-2683, A-3729

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

POTHSIL CANAL from Niobrara River - 1986
 Gage Location: SE1/4NW1/4 Sec. 26-29-48 W.
 near Dunlap
 Measuring Device: Stage recorder and 3 ft. Parshall flume
 Period of Record: 1956 - 1986

Date	May	June	July	Aug.	Sept.
1	0	5.4	0	0	0
2	0	5.4	0	0	0
3	0	6.7	6.1	3.4	0
4	0	1.9	6.3	6	0
5	0	0	6.4	6.4	0
6	0	0	6.1	7	0
7	0	2.4	6.3	6.4	0
8	0	2.2	6.3	6.4	0
9	0	0	6.4	6	0
10	0	0	6.7	5.8	0
11	0	0	7.2	6.7	0
12	0	0	7.6	7	0
13	0	0	7.3	6	0
14	2.6	0	5.8	5.7	0
15	9	1.3	5.8	5.8	0
16	5.7	5.2	5.8	5.7	0
17	0	5.7	6	5.7	0
18	0	1.8	5.8	6.6	0
19	0	0.8	5.2	7.2	0
20	0	3.5	5.1	7	0
21	0	4.3	4.5	7	0
22	0	7	0	6.6	0
23	0	7.2	0	6.6	0
24	1	7.2	0	6.4	0
25	6.4	7.3	0.5	3	0
26	3.6	8	5.1	0	0
27	0	7.8	5.2	3.8	0
28	0	7.6	5.8	6	0
29	0	7.8	6	6.6	0
30	0.3	5.9	6	5.8	0
31	4.6	---	3.6	1.3	---
Total	33.2	112.4	148.9	163.9	0
Mean	1.1	3.7	4.8	5.3	0
Max.	9	8	7.6	7.2	0
Min.	0	0	0	0	0
A.F.	66	223	295	325	0
Total 5 Months	---	---	989	A.F.	---

Appropriations: A-2566, A-10686

MERRITT RESERVOIR storage in acre-feet - 1986
 Gage Location: SW1/4NW1/4 Sec. 29-31-30 W.
 Measuring Device: Stage observation
 Period of Record: 1965-1986

Date	STORAGE LEVEL					ELEVATION (Feet)					CONTENT (Acres-feet)		
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1	68830	68830	68830	68830	69950	70780	71060	49280	54380	68830	68560	68560	
2	68830	68830	68830	68560	69950	70780	71060	49070	42380	54840	69110	68830	
3	68830	68830	68830	68560	69950	70780	71062	48870	42560	55310	69390	68830	
4	68830	68830	68830	68830	69950	70780	70780	48450	42750	55770	69670	68830	
5	68830	69110	68830	69110	69950	70780	70500	48040	42930	56490	69950	68830	
6	68830	69110	68830	69390	69950	70780	69950	47420	43120	56970	70230	68830	
7	68830	69110	68830	69390	69950	70780	69390	47010	43300	57450	69950	68830	
8	68830	68830	68830	69670	69950	71060	68830	46210	43490	57940	69670	68830	
9	68830	68830	68830	69670	69950	71060	67740	46010	43880	58420	69670	68830	
10	68830	68830	68830	69670	69450	71340	66930	45820	44260	58920	69390	68830	
11	68830	68830	68830	69670	69450	72190	66390	45420	44450	59410	69110	68830	
12	68830	68830	68830	69670	69450	72770	65590	45220	44830	59910	69110	68830	
13	68830	68830	68830	69670	69450	72770	65060	44830	45020	60160	68830	68830	
14	68830	68830	68830	69390	69950	73050	64530	44260	45420	60660	68830	68830	
15	68830	68830	68830	69390	70230	73340	64000	43880	45820	61170	68830	68830	
16	68830	68830	69110	69390	70230	73630	63220	43490	46210	61420	68830	68830	
17	68830	68830	69110	69390	70230	73630	62450	42930	46610	61940	68830	68830	
18	68830	68830	69390	69390	69390	69950	73630	61420	42380	47210	62190	68830	
19	68830	68830	69390	69670	69950	73340	60660	42280	47830	62710	69110	68830	
20	68830	68830	69110	69950	69950	73050	59410	42380	48660	63220	69110	68830	
21	68830	68830	69110	69950	69950	73050	58420	42380	49280	63740	69110	68830	
22	68830	68830	69110	70230	69950	72770	57690	42560	49930	64270	68830	68830	
23	68830	68830	69110	70500	69950	72480	56730	42750	50360	64800	68830	68830	
24	68830	68830	68830	70500	69950	72190	55770	42750	51010	65320	68830	68830	
25	68830	68830	68830	70500	69950	72190	54840	42930	51660	65850	68830	68830	
26	68830	68830	68830	70230	69950	71620	54140	42930	52110	66390	68830	68830	
27	68830	68830	68830	70230	69950	71620	53010	42750	52560	66930	68830	68830	
28	68830	68830	68830	70230	70230	71340	52330	42750	53010	67470	68830	68830	
29	68830	-----	68830	70230	70230	71340	51220	42560	53450	68020	68830	68830	
30	68830	-----	68830	70230	70500	71060	50330	42560	53910	68290	68560	68830	
31	68830	-----	68830	-----	70500	-----	49710	42560	-----	68560	-----	68830	

Appropriations: A-9660

NIOBRARA RIVER BASIN

AINSWORTH CANAL from Merritt Reservoir - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	60	136	284	243
2	0	60	145	184	196
3	0	60	153	193	145
4	0	60	206	246	145
5	0	60	281	291	140
6	0	60	308	257	135
7	0	60	426	278	132
8	0	60	546	301	124
9	0	60	605	332	115
10	0	60	603	353	110
11	0	60	571	405	101
12	0	60	477	430	93
13	0	60	472	432	91
14	0	60	477	443	81
15	0	60	493	457	61
16	0	60	559	457	50
17	0	60	592	457	16
18	12	65	592	409	0
19	124	76	589	168	0
20	88	81	592	161	0
21	75	81	594	163	0
22	86	81	596	163	0
23	60	81	598	163	0
24	60	86	598	195	0
25	60	105	596	265	0
26	68	116	585	262	0
27	75	138	585	305	0
28	65	160	585	300	0
29	60	159	592	273	0
30	60	143	578	251	0
31	60	---	483	251	---
Total	953	2392	15213	9129	1978
Mean	31	80	491	294	66
Max.	124	160	605	457	243
Min.	0	60	136	161	0
A.F.	1890	4740	30170	18110	3920
Total 5 Months	---	---	58820	A.P.	---

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 - 1986
Gage Location: Sec. 36-16-11 E. near Omaha
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1986

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, 1985	1300
January 31, 1986	1280
February 28, 1986	1310
March 31, 1986	1370
April 30, 1986	1450
May 31, 1986	1490
June 30, 1986	1510
July 31, 1986	1460
August 31, 1986	1480
September 30, 1986	1470
October 31, 1986	1520
November 30, 1986	1510
December 31, 1986	1510

Appropriations: A-12644

CUNNINGHAM LAKE (NO. 11) from Knight Creek - 1986
Gage Location: Sec. 22-16-12 E. in Omaha
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1986

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

Date	Contents (acre-feet)
December 31, 1985	4020
January 31, 1986	3980
February 28, 1986	4010
March 31, 1986	4090
April 30, 1986	4220
May 31, 1986	4130
June 30, 1986	4030
July 31, 1986	3900
August 31, 1986	3910
September 30, 1986	3920
October 31, 1986	4000
November 30, 1986	4050
December 31, 1986	4050

Appropriations: A-12909

WEHRSPANN LAKE (NO. 20) from South Fork, West Branch Papillion Creek - 1986
Gage Location: Sec. 23-14-11 E. near Chalco
Measuring Device: Stage recorder
Period of Record: 1985 - 1986

STORAGE LEVEL	ELEVATION (feet)	CONTENT (Acre-Feet)
Top of flood pool	1120.0	12780
Top of conservation pool	1096.0	2710
Top of dead storage pool	1077.0	220

Date	Contents (acre-feet)
December 31, 1985	504
January 31, 1986	491
February 28, 1986	532
March 31, 1986	599
April 30, 1986	730
May 31, 1986	775
June 30, 1986	798
July 31, 1986	1160
August 31, 1986	1100
September 30, 1986	1460
October 31, 1986	2110
November 30, 1986	2070
December 31, 1986	2050

Appropriations: A-16141

NORTH PLATTE RIVER BASIN

PORT LARAMIE CANAL from North Platte River - 1986
 Gage Location: SW1/4NW1/4 Sec. 10-26-65 W.
 Measuring Device: Stage recorder and Parshall flume
 Period of Record: 1918 - 1928, 1933 - 1986

Date	May	June	July	Aug.	Sept.
1	0	997	1503	1509	1487
2	0	1002	1500	1512	1447
3	0	1005	1503	1512	1456
4	595	1010	1503	1512	1432
5	656	965	1506	1509	1374
6	561	920	1506	1515	1329
7	524	897	1506	1506	1261
8	598	733	1509	1506	1223
9	595	447	1506	1506	1171
10	602	0	1503	1506	1146
11	665	0	1509	1506	1160
12	702	0	1506	1506	1154
13	702	0	1503	1506	1151
14	700	0	1506	1506	1151
15	698	0	1503	1503	1098
16	698	0	1503	1503	1040
17	736	0	1503	1503	1045
18	781	0	1500	1503	1048
19	811	567	1500	1506	986
20	856	702	1500	1506	938
21	854	774	1497	1506	938
22	849	809	1500	1506	960
23	876	814	1500	1512	846
24	900	861	1500	1506	849
25	907	907	1500	1506	668
26	946	999	1500	1506	93
27	946	1084	1497	1509	0
28	949	1174	1500	1506	0
29	954	1246	1503	1506	0
30	978	1407	1500	1506	0
31	997	----	1509	1506	----
Total	21636	19320	46584	46716	28451
Mean	698	644	1503	1507	948
Max.	997	1407	1509	1515	1487
Min.	0	0	1497	1503	0
A.F.	42910	38320	92400	92660	56430
Total 5 Months	----	322720	A.F.		

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

FORT LARAMIE CANAL from North Platte River - 1986
 Gage Location: NW1/4NE1/4 Sec. 9-21-58 W.
 at Mile Post 85.3 for Mebr. Lands
 Measuring Device: Stage recorder and Parshall flume
 Period of Record: 1981 - 1986

Date	May	June	July	Aug.	Sept.
1	0	305	477	599	628
2	0	300	525	596	619
3	0	314	619	605	610
4	0	316	632	619	619
5	0	316	621	623	617
6	0	318	614	614	608
7	0	309	605	612	596
8	0	312	608	617	574
9	157	326	608	612	546
10	230	318	608	610	506
11	247	288	601	610	471
12	268	288	601	608	457
13	270	212	612	608	459
14	272	135	610	608	457
15	280	76	610	608	443
16	267	39	610	601	421
17	268	22	605	588	400
18	275	14	612	601	387
19	316	0	610	601	400
20	328	16	608	596	398
21	326	43	612	601	391
22	328	302	610	599	400
23	307	379	608	596	406
24	307	366	599	608	377
25	312	270	610	601	325
26	311	372	601	605	305
27	309	366	608	610	215
28	309	364	605	605	71
29	309	387	594	610	0
30	307	458	596	610	0
31	307	----	596	614	----
Total	6610	7631	18635	18795	12706
Mean	213	254	601	606	424
Max.	328	458	632	623	628
Min.	0	0	477	588	0
A.F.	13110	15140	36960	37280	25200
Total 5 Months	----	127690	A.F.		

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

INTERSTATE CANAL from North Platte River - 1986
 Gage Location: NE1/4NW1/4 Sec. 11-26-65 W., Wyo.
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1915 - 1986

Date	April	May	June	July	Aug.	Sept.	Oct.
1	0	685	0	1917	1927	1883	759
2	0	800	0	1950	1954	1876	753
3	0	918	0	1957	1991	1819	620
4	0	915	0	2001	1998	1769	224
5	0	897	0	2012	1998	1765	0
6	0	971	0	2001	2015	1712	0
7	0	1062	0	2015	2001	1607	0
8	0	1056	0	2012	1991	1525	0
9	0	1059	0	2008	1961	1515	0
10	0	1148	0	1961	1954	1506	0
11	0	1154	0	1961	1954	1532	0
12	0	1157	0	1957	1981	1486	0
13	0	1235	0	1957	1981	1483	0
14	0	1244	0	1950	1971	1486	0
15	0	1241	0	1944	1967	1438	0
16	309	1244	0	1957	1964	1444	0
17	591	1238	0	1950	1961	1447	0
18	848	1241	0	1960	1961	1457	0
19	889	1317	0	1954	1950	1431	0
20	886	1342	0	1950	1950	1399	0
21	881	1428	0	1940	1944	1393	0
22	878	1441	1974	1940	1933	1329	0
23	875	1345	1988	1937	1950	1301	0
24	873	1336	2001	1930	1944	1304	0
25	867	1336	2032	1933	1950	1304	0
26	873	1332	2056	1923	1950	1216	0
27	873	1329	2029	1917	1954	873	0
28	878	1023	2022	1920	1961	792	0
29	748	670	2022	1917	1957	779	0
30	682	297	2022	1913	1920	756	0
31	----	0	----	1920	1886	----	0
Total	11951	33461	18146	60554	60779	42627	2356
Mean	398	1079	605	1953	1961	1421	76
Max.	889	1441	2056	2015	2015	1883	759
Min.	0	0	0	1913	1886	756	0
A.F.	23700	66370	35990	120110	120550	84550	4670
Total 7 Months	----	455940	A.F.				

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

NORTH PLATTE RIVER BASIN

ALICE RESERVOIR from North Platte River - 1986
 Gage Location: Sec. 8 & 15-23-54 W.
 near Scottsbluff
 Measuring Device: Stage observation
 Period of Record: 1977 - 1986

Date	STORAGE LEVEL			ELEVATION (Feet)								CONTENT (Acres-feet)	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
	Top of conservation pool			4182.0								11,020	
	Top of dead storage pool			4159.0								0	
1	1185				4435	8633	10938	8703	5146	5885			
2					4494	8774	11015	8562	4965	6010			
3					4669		10938	8350	4786	6072			
4				497	4727		10938	8279	4786	6783			
5					5025		10938	8208	4786	7518		6010	
6			726		5146		10700	8208	4610	8067			
7		852			5146		10555	8208	4552	8279	6849		
8					5146		10470	8279	4552				
9					5025		10325	8279	4552				
10					5086		10325	8350	4494				
11					5025		10555	8421	4435				
12					5086	8350	10700	8421	4494			5760	
13		820	663		5086		10862	8421	4552				
14					5086		11015	8421	4610				
15					5201		11015	8421	4669		6523		
16					5327		10938	8350	4786				
17	996				5510		10862	8279	4786				
18				378	5635		10700	8208	4786				
19					5760		10632	8138	4786			5448	
20		789	600	568	5885	7793	10478	7998	4844				
21				1304	6072		10325	7930	4965				
22				1781	6265	7723	10248	7793	5025		6394		
23	959			2152	6716		10099	7450	5086				
24				2546	7115		9949	7248	5146	7450			
25				3006	7315		9600	7115	5146				
26				3321	7450	8350	9725	6716	5273			5388	
27				3590	7655	9283	9576	6394	5635				
28			544	3810	7993	10173	9501	6072	5947		6201		
29				4148	7998	10785	9356	5822	5947				
30				4318	8067	10938	9138	5510	5885				
31	921				8208		8919	5327		7182		5146	

Appropriations: A-768
 Values furnished by PID

MINATARE RESERVOIR from North Platte River - 1986
 Gage Location: Sec. 32-23-53 W.
 near Scottsbluff
 Measuring Device: Stage observation
 Period of Record: 1977 - 1986

Date	STORAGE LEVEL			ELEVATION (Feet)								CONTENT (Acres-Feet)	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
	Top of conservation pool			4125.0								60,770	
	Top of dead storage pool			4075.0								300	
1	39740				46082	55480	56310	39740	24038	38662			
2					46465	55480	56518	39197	23900	39558			
3					46894		56310	38486	23762	40463			
4				39016	47438		56103	37955	23623	41194			
5					47827		55480	37423	23623	41563		40824	
6			39197		48410		54650	36730	23762	41563			
7		39197			48608		54034	36038	23900	41563	41009		
8					48806		53422	35520	24315				
9					49400		52604	34844	24592				
10					49993		51998	34168	25164				
11				39016	50389		51595	33665	25736				
12					50791	56103	50992	33083	26169			40824	
13		39197	39197		51193		50590	32342	26611				
14					51394		49993	31695	27053				
15					51595		49400	31051	27495		40824		
16					51797		49202	30412	27949				
17	39559				52198		48608	29789	28556				
18				39016	52400		48021	29165	29009				
19					52400		47438	28556	29633			40824	
20		39197	39016	39016	52809	55688	46854	27949	30412				
21				39378	53014		46274	27348	31212				
22				39921	53218	55480	45700	26758	31856		40824		
23	39378			40463	53422		45126	26169	32342				
24				40824	53626		44553	25736	33003	41194			
25				41378	53626		43988	25450	33830				
26				41932	54034	55895	43235	25021	34506			40646	
27				42671	54239	55688	42671	24878	35120				
28			39016	43612	54443	55480	42117	24835	36211		40824		
29				44553	54650	55273	41563	24592	37075				
30				45509	55065	55688	41009	24454	37778				
31	39378				55480		40463	24315		41194		40646	

Appropriations: A-768
 Values furnished by PID

NORTH PLATTE RIVER BASIN

MITCHELL & GERING CANAL from North Platte River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	201	323	344	297
2	0	203	335	344	295
3	0	203	352	346	290
4	0	203	348	339	288
5	0	204	346	339	288
6	0	204	344	341	287
7	102	206	344	341	265
8	157	204	339	337	252
9	159	207	343	339	252
10	156	204	339	337	243
11	155	209	341	330	225
12	152	213	339	332	225
13	153	198	339	330	225
14	152	172	337	334	225
15	151	194	337	335	228
16	149	209	339	330	232
17	147	201	337	332	230
18	147	200	335	332	230
19	144	195	335	334	206
20	138	193	337	334	200
21	147	194	343	332	200
22	161	192	337	335	174
23	161	194	334	335	161
24	161	187	335	335	159
25	160	185	330	337	153
26	160	197	332	337	152
27	194	200	346	335	151
28	203	197	341	335	149
29	203	197	343	335	148
30	203	305	343	309	45
31	201	---	341	297	---
Total	4016	6071	10514	10352	6475
Mean	130	202	339	334	216
Max.	203	305	352	346	297
Min.	0	172	323	297	45
A.F.	7970	12040	20850	20530	12840
Total 5 Months	----	74230	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 - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	105	152	187	209
2	0	111	170	191	179
3	0	109	168	192	170
4	0	109	166	198	163
5	0	111	198	197	171
6	0	123	203	195	194
7	0	108	210	184	185
8	0	144	204	192	140
9	0	191	204	195	153
10	0	178	197	207	135
11	0	53	212	216	128
12	0	97	192	204	120
13	0	74	201	191	126
14	0	57	216	195	134
15	74	51	215	201	129
16	84	84	207	201	121
17	76	86	195	201	123
18	68	82	197	204	128
19	67	86	197	203	128
20	68	98	195	201	115
21	70	86	200	213	109
22	78	76	200	218	105
23	76	87	194	230	75
24	77	98	181	232	77
25	86	93	184	230	81
26	83	125	215	219	81
27	88	130	201	218	85
28	99	129	222	215	82
29	108	115	221	224	86
30	99	155	215	221	80
31	106	---	197	224	---
Total	1407	3151	6129	6399	3812
Mean	45	105	198	206	127
Max.	108	191	222	232	209
Min.	0	51	152	184	75
A.F.	2790	6250	12160	12690	7560
Total 5 Months	----	41450	A.F.		

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

TRI-STATE CANAL from North Platte River - 1986
 Gage Location: NE1/4NE1/4 Sec. 10-23-58 W.
 near Henry
 Measuring Device: Stage recorder
 Period of Record: 1916, 1919 - 1986

Date	May	June	July	Aug.	Sept.
1	0	538	1278	1128	893
2	172	546	1278	1135	841
3	330	567	1274	1141	790
4	326	572	1274	1152	760
5	501	590	1271	1118	740
6	538	593	1274	1100	732
7	496	590	1271	1081	683
8	483	590	1246	1087	628
9	500	582	1242	1070	612
10	483	551	1186	1064	572
11	488	541	1166	1044	564
12	490	546	1141	1034	523
13	541	538	1162	1041	508
14	556	533	1159	1021	508
15	554	536	1200	1014	498
16	554	536	1197	1008	498
17	548	533	1169	1044	498
18	546	536	1159	1044	513
19	543	526	1145	1051	523
20	543	533	1131	1054	518
21	543	526	1107	1051	518
22	541	538	1100	1028	526
23	543	541	1111	1024	526
24	546	528	1104	1024	528
25	546	644	1097	1005	483
26	546	798	1084	979	471
27	562	881	1070	969	357
28	556	972	1060	982	87
29	551	1134	1074	976	0
30	543	1256	1128	953	0
31	543	---	1138	940	---
Total	15212	18895	36296	32362	15898
Mean	491	630	1171	1044	530
Max.	562	1256	1278	1152	893
Min.	0	526	1060	940	0
A.F.	30170	37480	71990	64190	31530
Total 5 Months	----	235360	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.

TRI-STATE CANAL
FOR FARMERS IRRIGATION DISTRICT AND PREFERRED RIGHTS
Summary in Acre-Feet--1986

	May	June	July	Aug.	Sept.	Totals
Diverted from:						
North Platte River.....	29060	31490	59490	54110	27720	200870
*Optional diversions.....	0	20	910	1230	490	2650
**Drains.....	500	0	0	0	2	502
Totals.....	28560	31510	60400	55340	28212	204022

Total water diverted 204022 A.F.

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

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

Date	May	June	July	Aug.	Sept.
1	0	58	66	100	110
2	0	66	63	103	108
3	0	67	61	105	107
4	0	69	61	110	105
5	0	69	65	111	105
6	0	69	69	110	108
7	0	67	68	110	109
8	0	69	69	108	108
9	0	73	72	107	106
10	0	86	71	105	105
11	0	74	73	105	104
12	0	72	73	105	103
13	0	73	73	107	102
14	63	73	75	105	102
15	57	71	77	106	102
16	57	69	83	105	102
17	69	68	83	104	102
18	69	66	80	106	104
19	69	67	80	104	105
20	69	72	83	104	107
21	67	74	90	109	108
22	67	72	86	108	111
23	67	71	89	110	111
24	67	69	89	110	113
25	67	68	102	110	113
26	66	68	98	110	8
27	66	66	96	108	0
28	69	65	94	108	0
29	70	68	92	110	0
30	69	65	95	108	0
31	69	---	98	110	---
Total	1197	2084	2474	3321	2668
Mean	38.6	69.5	79.8	107.1	88.9
Max.	70	86	102	111	113
Min.	0	58	61	100	0
A.F.	2374	4134	4907	6587	5292
Total 5 Months	---	---	23290	A.F.	---

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

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

Date	May	June	July	Aug.	Sept.
1	11	10	13	14	14
2	12	10	14	16	14
3	12	10	16	17	15
4	11	10	16	17	16
5	10	10	16	16	17
6	10	10	15	15	17
7	10	10	14	15	17
8	10	10	11	15	16
9	10	11	13	15	16
10	10	11	15	14	16
11	10	10	15	14	16
12	10	10	15	13	15
13	10	11	15	14	15
14	9	11	16	12	14
15	9	11	20	10	14
16	9	11	22	10	15
17	9	11	20	14	14
18	9	11	19	16	14
19	9	11	18	17	14
20	9	11	18	17	13
21	9	10	17	18	13
22	9	10	16	16	13
23	10	10	17	15	13
24	10	10	18	16	13
25	10	10	17	14	13
26	10	10	15	14	13
27	10	10	18	14	13
28	10	9	18	16	13
29	10	9	18	16	13
30	9	12	17	16	13
31	10	---	17	14	---
Total	306	310	509	460	432
Mean	9.9	10.3	16.4	14.8	14.4
Max.	12	12	22	18	17
Min.	9	9	11	10	13
A.F.	607	615	1010	912	857
Total 5 Months	---	---	4000	A.F.	---

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

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

Date	May	June	July	Aug.	Sept.
1	0	13	14	26	32
2	0	13	14	25	32
3	0	13	16	25	31
4	0	13	17	26	30
5	0	13	16	25	29
6	0	13	18	24	29
7	0	12	18	25	28
8	0	12	19	26	27
9	0	13	27	28	26
10	0	15	25	28	26
11	0	12	26	28	25
12	0	12	25	28	25
13	9	19	27	28	25
14	14	12	27	27	25
15	13	11	27	27	26
16	15	11	26	26	25
17	14	10	26	25	26
18	13	10	25	25	27
19	13	10	24	27	27
20	13	11	26	27	27
21	14	11	24	28	7
22	13	10	24	29	0
23	14	10	27	30	0
24	14	9	28	30	0
25	14	9	30	31	0
26	15	9	27	32	0
27	15	9	27	31	0
28	15	12	28	31	0
29	15	13	27	31	0
30	14	15	26	31	0
31	14	---	26	32	---
Total	261	355	737	862	555
Mean	8.4	11.8	23.8	27.8	18.5
Max.	15	19	30	32	32
Min.	0	9	14	24	0
A.F.	518	704	1462	1710	1101
Total 5 Months	---	---	5500	A.F.	---

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

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

Date	May	June	July	Aug.	Sept.
1	9	15	14	15	38
2	10	15	14	17	30
3	10	15	13	17	29
4	10	16	12	29	29
5	10	16	11	27	31
6	10	15	12	27	34
7	13	14	13	26	35
8	14	14	16	27	35
9	18	20	36	28	33
10	16	30	24	26	31
11	16	16	20	26	27
12	17	16	19	24	26
13	19	16	16	23	26
14	17	15	17	21	26
15	16	14	13	21	26
16	19	14	13	22	26
17	16	13	14	21	23
18	15	13	13	22	24
19	15	11	11	23	26
20	15	15	14	24	26
21	15	13	16	24	26
22	16	13	16	23	31
23	15	12	18	26	30
24	15	12	22	25	31
25	14	12	26	24	31
26	14	11	22	25	27
27	16	10	20	25	26
28	16	9	17	24	24
29	16	11	17	22	24
30	16	12	16	23	25
31	15	---	15	36	---
Total	453	428	520	743	856
Mean	14.6	14.3	16.8	24	28.5
Max.	19	30	36	36	38
Min.	9	9	11	15	23
A.F.	899	849	1031	1474	1698
Total 5 Months	---	---	5950	A.F.	---

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

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

Date	May	June	July	Aug.	Sept.
1	0	22	28	46	45
2	0	23	31	45	44
3	0	24	34	44	42
4	0	24	37	49	42
5	0	24	38	47	40
6	0	29	40	48	39
7	0	23	40	49	38
8	0	23	41	61	40
9	0	33	41	58	42
10	0	30	45	55	44
11	0	23	52	50	44
12	0	29	53	46	48
13	0	36	54	47	47
14	7	27	47	48	48
15	16	26	48	47	49
16	19	26	48	46	50
17	18	25	48	48	43
18	18	24	48	40	43
19	17	23	47	39	42
20	18	29	50	39	42
21	19	25	46	42	41
22	19	22	47	45	13
23	19	20	48	47	0
24	20	21	51	49	0
25	19	21	50	44	0
26	19	21	50	43	0
27	20	22	50	42	0
28	20	23	51	43	0
29	20	24	49	44	0
30	20	25	48	44	0
31	21	---	46	45	---
Total	329	747	1406	1440	926
Mean	10.6	24.9	45.4	46.5	30.9
Max.	21	36	54	61	50
Min.	0	20	28	39	0
A.F.	653	9	2789	2856	1837
Total 5 Months	---	---	8140	A.F.	---

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

NORTHPORT CANAL from North Platte River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	119	262	268	274
2	0	119	258	268	263
3	0	118	261	271	244
4	0	151	258	272	246
5	0	157	265	272	230
6	0	162	281	269	222
7	0	164	277	269	220
8	0	154	280	271	218
9	0	164	277	271	214
10	0	160	269	271	207
11	0	151	266	269	208
12	67	157	268	268	183
13	121	165	269	269	173
14	122	139	269	268	159
15	136	155	269	268	159
16	117	157	272	266	152
17	118	158	269	262	161
18	118	158	271	269	158
19	116	152	269	269	160
20	115	155	272	266	162
21	118	162	277	269	159
22	125	157	271	272	153
23	119	157	271	268	160
24	120	155	271	271	162
25	120	161	272	271	161
26	119	166	274	269	154
27	119	188	268	269	101
28	120	215	268	271	33
29	119	220	265	272	0
30	118	255	268	269	0
31	120	---	266	272	---
Total	2347	4851	8353	8349	5096
Mean	76	162	269	269	170
Max.	136	255	281	272	274
Min.	0	118	258	262	0
A.F.	4660	9620	16570	16560	10110
Total 5 Months	---	---	57520	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.

NORTHPORT DIVERSIONS FOR NORTHPORT IRRIGATION DISTRICT
 Summary in Acre-feet--1986

Section Township Range	Date					Totals	
	May	June	July	Aug.	Sept.		
Diverted from:							
North Platte River....	10-23-58	2110	5980	12500	10170	34580	
*Sheep Creek.....	17-23-57	2370	4130	4910	6590	23290	
*Akers Draw.....	12-23-57	380	610	1010	910	800	3710
*Tub Springs.....	27-33-55	650	1480	2790	2860	1840	9620
*Dry Spottedtail Cr....	9-23-56	520	700	1460	1710	1100	5490
*Wet Spottedtail Cr....	10-23-56	630	850	1030	1470	1580	5560
*Hoffat Drain.....	25-22-53	0	0	0	0	0	0
Totals.....		6660	13750	23700	23710	14430	82250

Total water diverted 82250 A.F.

*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 BASIN

ENTERPRISE CANAL from North Platte River - 1986
 Gage Location: NE1/4NE1/4 Sec. 27-23-57 W.
 near Morrill
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1916, 1919 - 1986

Date	Apr.	May	June	July	Aug.	Sept.
1	0	62	88	107	121	106
2	0	63	85	112	114	102
3	0	63	76	121	110	98
4	0	62	79	119	112	102
5	0	64	88	110	117	102
6	0	67	84	117	112	90
7	0	67	58	117	111	84
8	0	66	55	114	107	84
9	0	66	47	117	109	84
10	0	63	32	102	109	84
11	0	63	32	103	105	80
12	0	62	32	107	101	82
13	0	63	32	106	101	83
14	0	63	32	110	102	85
15	0	64	32	126	102	87
16	0	64	36	115	102	87
17	0	62	38	96	101	84
18	0	59	53	113	101	83
19	0	56	60	130	102	84
20	0	53	62	133	103	85
21	0	49	62	134	106	83
22	0	48	63	128	106	79
23	0	49	74	119	103	79
24	0	45	77	107	103	79
25	0	40	79	119	106	75
26	0	37	80	110	99	72
27	0	56	87	106	97	75
28	34	85	92	112	96	75
29	60	83	88	117	96	45
30	60	83	99	112	97	0
31	---	80	---	121	101	---
Total	154	1907	1902	3568	3252	2438
Mean	5	62	63	115	105	81
Max.	60	85	99	134	121	106
Min.	0	37	32	96	96	0
A.F.	310	3780	3770	7060	6450	4840
Total 6 Months	---	---	26230	A.F.		

Appropriations: D-920

ENTERPRISE CANAL from Winter Creek - 1986
 Gage Location: NW1/4NE1/4 Sec. 17-22-54 W.
 near Scottsbluff
 Measuring Device: Stage observation
 Period of Record: 1937 - 1943, 1969 - 1986

Date	May	June	July	Aug.	Sept.
1	0	1.8	2.3	2	0.9
2	0	1.8	2.4	2	0.8
3	0	1.9	2.5	2	0.7
4	0	2	2.5	2	0.6
5	0	1.7	2.6	2	0.5
6	0	1.4	2.6	2	0.4
7	0	1.2	2.7	1.9	0.3
8	0	0.9	2.8	1.9	0.2
9	0	0.6	2.8	1.8	0.1
10	0	0.3	2.8	1.8	0
11	0	0	2.9	1.7	0
12	0	0	2.9	1.7	0
13	0	0	2.9	1.6	0
14	0	0	2.9	1.7	0
15	0	0	3	1.8	0
16	0	0	3	1.9	0
17	0	0	2.8	2.1	0
18	0	0	2.7	2.2	0
19	0	0.3	2.5	2.3	0
20	0	0.5	2.4	2.4	0
21	0	0.8	2.2	2.2	0
22	0	1.1	2	2.1	0
23	0	1.4	1.9	2	0
24	0	1.6	1.9	1.8	0
25	0	1.9	1.9	1.6	0
26	0	2	1.9	1.5	0
27	0	2	2	1.4	0
28	0	2.1	2	1.3	0
29	1	2.2	2	1.2	0
30	1.6	2.2	2	1.1	0
31	1.7	---	2	1	---
Total	4.3	31.7	75.0	56	4.5
Mean	0.1	1.1	2.4	1.8	0.2
Max.	1.7	2.2	3	2.4	0.9
Min.	0	0	1.9	1	0
A.F.	9	63	150	111	9
Total 5 Months	---	---	342	A.F.	

ENTERPRISE CANAL from Morrill Drain - 1986
 Gage Location: NE1/4SE1/4 Sec. 14-23-57 W.
 near Morrill
 Measuring Device: Stage observation
 Period of Record: 1921 - 1923, 1931 - 1946,
 1948 - 1986

Date	May	June	July	Aug.	Sept.
1	0.1	0.1	0.8	1.2	1.6
2	0.2	0	0.8	1.2	1.6
3	0.2	0.1	0.8	1.2	1.7
4	0.3	0.2	0.8	1.1	1.7
5	0.3	0.3	0.8	1.1	1.8
6	0.4	0.4	0.8	1.1	1.9
7	0.4	0.5	0.8	1	1.9
8	0.5	0.6	0.7	1	2
9	0.5	0.7	0.7	1	2.1
10	0.6	0.8	0.7	1	2.2
11	0.6	0.9	0.7	0.9	2.2
12	0.6	1	0.7	0.9	2.3
13	0.7	1.1	0.7	0.9	2.3
14	0.7	1.2	0.7	0.9	2.4
15	0.8	1.3	0.7	1	2.5
16	0.9	1.4	0.7	1	2.5
17	1	1.4	0.8	1	2.6
18	1	1.3	0.8	1	2.6
19	1.1	1.3	0.9	1	2.7
20	1	1.2	0.9	1.1	2.8
21	0.9	1.2	1	1.1	2.8
22	0.9	1.2	1	1.1	2.9
23	0.8	1.1	1	1.1	3
24	0.7	1.1	1.1	1.1	3
25	0.6	1	1.1	1.2	2.8
26	0.5	1	1.2	1.2	2.8
27	0.5	1	1.2	1.3	2.7
28	0.4	0.9	1.3	1.3	2.6
29	0.3	0.9	1.3	1.4	2.5
30	0.2	0.8	1.3	1.4	2.4
31	0.1	---	1.2	1.5	---
Total	17.8	26	28	34.3	70.9
Mean	0.6	0.9	0.9	1.1	2.4
Max.	1.1	1.4	1.3	1.5	3
Min.	0.1	0	0.7	0.9	1.6
A.F.	35	52	56	68	141
Total 5 Months	---	---	352	A.F.	

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

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	8.7	0	0
6	0	0	8.7	0	0
7	0	0	8.7	0	0
8	0	0	8.7	0	0
9	0	0	7	0	0
10	0	0	5.3	0	0
11	0	0	5.8	0	0
12	0	0	6.3	0	0
13	0	0	6.8	0	0
14	0	0	7.3	0	0
15	0	0	7.8	0	0
16	0	0	7.8	0	0
17	0	0	7.8	0	0
18	0	0	6.8	0	0
19	0	0	7	0	0
20	0	0	6.5	0	0
21	0	0	5.3	0	0
22	0	0	3	0	0
23	0	0	3	0	0
24	0	0	2	0	0
25	0	0	7	0	0
26	0	0	2	0	0
27	0	0	2	0	0
28	0	0	2	0	0
29	0	0	2	0	0
30	0	0	8	0	0
31	0	---	0	0	---
Total	0	0	145.3	0	0
Mean	0	0	5	0	0
Max.	0	0	8.7	0	0
Min.	0	0	0	0	0
A.F.	0	0	290	0	0
Total 5 Months	---	---	290	A.F.	

Appropriations: D-920

NORTH PLATTE RIVER BASIN

TUB SPRINGS near Scottsbluff - 1986
 Gage Location: SW1/4SW1/4 Sec. 33-23-56 W.
 Measuring Device: Stage recorder
 Period of Record: 1948 - 1986

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1986, 1670 cubic feet per second at 2315 hours on July 12, 1986 at a gage height of 3.78 feet.
 Minimum daily discharge, 21 Cubic Feet per Second, May 22, 23.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	39	35	28	28	27	42	58	54	61	74	61	49
2	39	35	28	28	50	44	46	54	61	74	61	52
3	39	34	28	30	98	43	48	52	61	77	61	61
4	38	33	28	30	90	45	46	52	72	72	59	59
5	38	33	28	30	86	45	45	51	68	70	58	59
6	38	33	28	29	86	39	48	52	72	66	58	59
7	38	32	29	29	79	31	49	56	72	66	61	61
8	38	33	29	28	77	44	51	58	66	72	61	61
9	38	34	29	29	73	89	159	59	70	77	61	63
10	37	33	29	29	65	72	87	61	70	79	58	63
11	37	34	30	27	60	43	63	58	66	77	59	64
12	37	32	31	27	60	165	46	52	70	70	59	64
13	36	32	31	26	60	136	43	46	70	70	61	64
14	36	32	31	26	38	49	43	48	72	74	61	63
15	36	31	32	27	36	49	52	52	72	72	56	63
16	36	30	32	27	39	48	56	46	70	68	51	61
17	35	29	32	31	38	49	45	43	72	68	52	61
18	35	41	32	33	37	51	46	42	70	68	46	59
19	35	40	32	29	35	61	49	43	61	68	46	59
20	34	36	32	27	28	145	58	45	58	72	45	61
21	34	35	31	23	22	86	64	46	58	66	45	58
22	34	33	30	22	21	76	51	43	96	66	41	58
23	33	33	29	23	21	64	46	48	113	66	39	56
24	33	32	29	24	22	58	99	54	118	63	39	56
25	34	32	29	22	22	54	106	58	118	61	38	52
26	34	32	29	26	22	54	93	59	116	61	42	51
27	34	29	28	26	26	48	91	58	109	66	42	51
28	35	29	28	26	47	48	78	54	109	66	42	48
29	36	---	28	26	49	52	63	52	187	64	45	48
30	36	---	28	25	47	51	54	49	81	64	46	48
31	36	---	28	---	43	---	52	59	---	61	---	48
S.P.	1118	927	916	813	1504	1881	1935	1604	2379	2136	1553	1780
Mean	36	33	30	27	49	62	62	52	79	69	52	57
Max.	39	41	32	33	98	165	159	61	118	79	61	64
Min.	33	28	28	22	21	31	43	42	58	61	38	48
A.F.	2220	1640	1820	1610	2980	3730	3840	3180	4720	4240	3080	3530
Total 12 months	---	---	36790	A.F.	---	---	---	---	---	---	---	---

WINTERS CREEK CANAL from North Platte River - 1986
 Gage Location: SE1/4NE1/4 Sec. 17-22-55 W. near Scottsbluff
 Measuring Device: Stage recorder and 8 ft. Parshall flume
 Period of Record: 1916, 1918 - 1986

Date	May	June	July	Aug.	Sept.
1	0	16	26	11	22
2	0	18	28	8.8	23
3	0	13	28	3.8	20
4	0	12	27	4.4	19
5	0	16	27	11	18
6	0	23	27	24	16
7	0	22	27	23	15
8	0	20	28	22	18
9	0	5.4	28	22	18
10	0	5.1	28	21	18
11	0	4.1	25	20	18
12	9.4	3.2	27	19	17
13	13	3	26	18	16
14	14	3.2	26	18	16
15	14	3.2	25	18	16
16	15	7.2	27	18	14
17	15	7.9	27	17	15
18	13	8.6	26	17	11
19	12	14	26	16	10
20	13	13	28	16	18
21	12	11	31	17	17
22	10	9.5	27	18	16
23	10	9.2	23	19	16
24	8.9	9.2	20	19	5.3
25	5.1	12	28	20	0
26	8.9	14	22	22	0
27	10	17	22	20	0
28	8.6	20	24	18	0
29	12	21	20	18	0
30	15	23	9.7	19	0
31	13	---	14	20	---
Total	231.9	363.8	777.7	538	392.3
Mean	7	12	25	17	13
Max.	15	23	31	24	23
Min.	0	3	9.7	3.8	0
A.F.	460	720	1540	1070	780
Total 5 Months	---	---	4570	A.F.	---

Appropriations: D-952

CENTRAL CANAL from North Platte River - 1986
 Gage Location: NW1/4NW1/4 Sec. 36-22-55 W. near Gering
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1919 - 1986

Date	May	June	July	Aug.	Sept.
1	0	1.6	34	31	25
2	0	8.8	38	31	25
3	0	15	37	30	22
4	0	24	37	30	23
5	0	25	36	33	20
6	0	26	36	32	17
7	0	23	37	33	16
8	0	27	37	33	16
9	0	2.8	36	34	15
10	0	0	34	34	14
11	0	0	36	33	13
12	0	0	36	32	12
13	0	2.7	40	31	12
14	0	2.9	40	32	10
15	5.5	0	39	31	9
16	5.5	0	33	29	12
17	12	2.1	34	28	10
18	5.9	8.4	34	31	8.1
19	5.7	16	34	31	7.5
20	5.7	17	35	31	8.3
21	4.5	17	36	31	8.4
22	9.7	18	36	32	8.3
23	13	18	32	32	8.3
24	4.1	20	28	31	8.7
25	0	20	36	31	11
26	0	21	35	31	13
27	0	25	34	29	11
28	0	29	35	26	8.3
29	0	31	35	23	6.5
30	0	33	34	23	0
31	0	---	32	24	---
Total	71.8	434.3	1096	943	378.4
Mean	2	14	35	30	13
Max.	13	33	40	34	25
Min.	0	0	28	23	0
A.F.	140	860	2170	1870	750
Total 5 Months	---	---	5790	A.F.	---

Appropriations: D-926

WINTERS CREEK CANAL from Winters Creek - 1986
 Gage Location: SMI/4NE1/4 Sec. 19-22-54 W.
 near Scottsbluff
 Measuring Device: Stage recorder and 8 ft. Parshall flume
 Period of Record: 1919 - 1986

Date	May	June	July	Aug.	Sept.
1	0	19	41	46	45
2	0	19	39	46	46
3	0	19	40	45	45
4	0	20	45	45	44
5	0	20	46	43	45
6	0	14	52	47	46
7	0	15	51	37	45
8	0	14	41	45	44
9	0	12	18	44	41
10	0	14	24	45	36
11	0	0.7	32	44	32
12	0	4.6	35	42	33
13	0	7	42	31	37
14	0	0	46	48	35
15	11	0	40	49	34
16	16	8.7	16	47	31
17	13	13	1	46	29
18	12	12	4.8	47	24
19	15	11	16	44	26
20	22	14	36	44	24
21	20	1.4	45	46	22
22	15	1.4	42	47	20
23	16	9.2	44	46	13
24	16	13	37	38	13
25	14	11	33	42	4.5
26	13	25	38	45	0
27	15	34	30	44	0
28	19	34	38	45	0
29	21	32	46	47	0
30	20	35	40	49	0
31	14	---	46	46	---
Total	272	433	1104.8	1380	814.5
Mean	9	14	36	45	27
Max.	22	35	52	49	46
Min.	0	0	1	31	0
A.F.	540	860	2190	2740	1620
Total 5 Months	---	---	7950	---	A.F.

WINTERS CREEK FACTORY LATERAL from Winter Creek - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	3.2	4.4	5.8
2	0	0	4.1	4.4	6.7
3	0	0	3.5	4.4	6.8
4	0	0	3.6	6.2	6.6
5	0	0	3.2	7.6	5.3
6	0	0	3.4	5.1	4.1
7	0	0	3.5	4.8	3.1
8	0	0	3.4	6	2.6
9	0	0	3.9	6.4	2.7
10	0	0	2.4	6.6	3.1
11	0	0	0	7.8	1.1
12	0	0	0	8	0
13	0	0	0	7.5	0
14	0	0	0	7.4	0
15	0	0	0	8.2	0
16	0	0	0	8.4	0
17	0	0	0	7.8	0
18	0	0	0	8.1	0
19	0	0	0	6.5	0
20	0	0	0	4.8	0
21	0	0	0	5.2	0
22	0	0	0	6.1	0
23	0	0	0	6.3	0
24	0	0	2.2	7	0
25	0	0	0	7	0
26	0	0	0	7	0
27	0	0	0	6.3	0
28	0	0	0	5.9	0
29	0	0.6	0	5.8	0
30	0	2.6	3.6	5.2	0
31	0	---	4.5	5.4	---
Total	0	3.2	44.6	197.6	47.9
Mean	0	0	1	6	2
Max.	0	2.6	4.5	8.4	6.8
Min.	0	0	0	4.4	0
A.F.	0	10	90	390	100
Total 5 Months	---	---	590	---	A.F.

WINTERS CREEK CANAL DIVERSIONS

	May	June	July	Aug.	Sept.	Totals
Diverted from:						
North Platte River.....	460	720	1540	1070	780	4570
Winter Creek.....	540	870	2280	3130	1720	8540
Totals.....	1000	1590	3820	4200	2500	13110
Total water diverted 13110 A.F.						

MINATARE CANAL from North Platte River - 1986
 Gage Location: NW1/4SE1/4 Sec. 32-22-54 W.
 near Scottsbluff
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1915 - 1986

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	1.8	48	96	74	86	40
2	0	30	49	76	72	82	40
3	0	44	48	89	72	76	41
4	0	50	48	89	78	76	41
5	0	48	48	89	79	76	41
6	0	48	51	93	83	76	42
7	0	48	51	102	88	76	42
8	0	48	53	106	88	76	42
9	0	48	50	105	89	75	42
10	0	48	37	103	91	75	42
11	0	48	32	101	88	72	43
12	0	48	28	101	83	69	42
13	0	48	35	100	78	69	41
14	0	52	38	103	73	69	40
15	0	55	35	100	80	70	40
16	0	56	34	99	83	69	39
17	0	56	35	95	76	67	38
18	0	54	34	94	75	63	38
19	0	54	34	88	72	64	34
20	0	55	34	88	75	60	0
21	0	55	34	88	80	57	0
22	0	54	35	88	82	56	0
23	0	53	38	83	82	55	0
24	0	51	42	74	80	55	0
25	0	50	43	64	84	55	0
26	0	46	43	58	86	55	0
27	0	45	48	56	86	55	0
28	1.1	45	53	58	83	53	0
29	1.3	46	55	61	82	50	0
30	1.3	46	63	58	82	43	0
31	---	46	---	66	85	---	0
Total	3.7	1476.8	1276	2671	2509	1980	748
Mean	0	48	43	86	81	66	24
Max.	1.3	56	63	106	91	86	43
Min.	0	1.8	28	56	72	43	0
A.F.	10	2930	2530	5300	4980	3930	1480
Total 7 Months	---	---	21160	---	---	---	---

NORTH PLATTE RIVER BASIN

CASTLE ROCK-STEAMBOAT CANAL from North Platte River - 1986
 Gage Location: NW1/4SW1/4 Sec. 13-21-54 W.
 near Melbeta
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1916, 1918 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	58	96	88	79	62
2	0	65	97	93	78	62
3	0	63	106	93	78	65
4	0	59	105	93	76	65
5	0	65	102	93	69	32
6	0	69	103	92	59	0
7	0	69	103	91	41	0
8	0	64	104	91	51	0
9	0	61	102	91	64	0
10	0	13	98	91	60	0
11	0	7.8	91	92	59	0
12	0	39	91	93	64	0
13	0	21	90	94	63	0
14	0	31	89	95	60	0
15	0	0	88	94	62	0
16	0	28	79	91	69	0
17	0	34	68	90	71	0
18	0	35	65	88	79	0
19	0	35	57	92	80	0
20	25	42	57	95	80	0
21	41	52	69	97	75	0
22	44	54	79	94	71	0
23	46	54	74	93	72	0
24	46	61	68	93	65	0
25	45	71	53	93	53	0
26	42	83	50	93	53	0
27	50	86	49	93	52	0
28	60	92	63	93	53	0
29	62	92	74	91	52	0
30	59	92	75	88	58	0
31	57	---	79	85	---	0
Total	577	1595.8	2524	2853	1946	286
Mean	19	53	81	92	65	9
Max.	62	92	106	97	80	65
Min.	0	0	49	85	41	0
A.F.	1140	3170	5010	5660	3860	570
Total 6 Months	---	---	19410	A.F.	---	---

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

MELBETA DRAIN near Melbeta - 1986
 Gage Location: SE1/4SW1/4 Sec. 13-21-54 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1986

Date	May	June	July	Aug.	Sept.
1	2	19	15	11	18
2	2	17	12	12	21
3	2.2	15	11	14	27
4	2.6	15	11	15	16
5	2.0	11	11	33	10
6	2.2	13	15	13	20
7	2.0	17	22	15	23
8	3	15	22	14	26
9	4.4	14	27	18	34
10	3.4	96	34	19	35
11	2	8.5	24	20	31
12	1.4	29	22	9.5	21
13	2	21	21	8.5	17
14	2.2	14	20	8.5	20
15	12	16	19	15	22
16	14	18	30	12	16
17	21	34	33	15	20
18	17	14	30	19	20
19	14	10	25	17	13
20	12	14	25	17	20
21	6.0	15	26	19	18
22	8.5	17	17	19	15
23	5.2	19	31	17	19
24	11	22	27	17	16
25	15	14	29	17	19
26	20	12	27	18	15
27	17	17	20	16	5.0
28	20	17	15	17	5
29	30	17	11	14	4
30	18	17	11	15	4
31	21	---	14	16	---
Total	297.5	577.5	657	490.5	550.0
Mean	9.6	19.3	21.2	15.8	18.4
Max.	30	96	34	33	35
Min.	1.4	8.5	11	8.5	4
A.F.	590	1145	1303	973	1092
Total 5 Months	---	---	5100	A.F.	---

NINE MILE CANAL from North Platte River - 1986
 Gage Location: NE1/4SW1/4 Sec. 16-21-53 W.
 near Minatare
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1918 - 1919, 1921 - 1986

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	40	40	23	39	37	23
2	0	45	46	33	37	53	18
3	0	48	48	42	37	45	10
4	0	48	46	44	39	34	8.8
5	0	48	48	40	45	36	7.7
6	0	53	79	40	42	49	6
7	0	65	95	40	44	55	5.4
8	0	63	94	37	44	40	4.2
9	0	54	91	45	44	26	0
10	0	52	103	53	45	13	0
11	0	52	53	42	41	26	0
12	0	51	42	34	38	40	0
13	0	54	58	33	35	30	0
14	0	61	56	38	39	35	0
15	0	63	42	39	40	36	0
16	0	82	40	42	41	40	0
17	0	69	42	45	39	45	0
18	0	53	38	45	36	36	0
19	0	48	34	44	35	35	0
20	0	48	27	42	34	48	0
21	0	45	25	41	36	48	0
22	0	42	11	42	38	45	0
23	0	40	40	57	42	45	0
24	0	36	63	47	43	46	0
25	0	42	56	40	33	41	0
26	0	45	42	23	33	24	0
27	0	42	38	18	32	21	0
28	0	41	30	24	35	31	0
29	0	41	20	26	29	21	0
30	25	40	16	20	25	21	0
31	---	39	---	21	30	---	0
Total	25	1550	1463	1160	1170	1102	83.1
Mean	1	50	49	37	38	37	3
Max.	25	82	103	57	45	55	23
Min.	0	36	11	18	25	13	0
A.F.	50	3070	2900	2300	2320	2190	160
Total 7 Months	---	---	12990	A.F.	---	---	---

Appropriations: D-925(A-1431 D.D.), P-262 fr. Red Willow Cr.

NORTH PLATTE RIVER BASIN

NINE MILE DRAIN near McGrew - 1986
 Gage Location: SE1/4SE1/4 Sec. 23-21-53 W.
 Measuring Device: Stage recorder
 Period of Record: 1932 - 1986

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1986, 914 cubic feet per second at 2330 hours on June 12, 1986 at a gage height of 5.23 feet.
 Minimum daily discharge, 74 cubic feet per second on March 22 - 23, 1986.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	91	91	85	82	109	99	100	160	228	186	120	104
2	91	91	85	82	113	99	96	165	296	182	120	103
3	91	88	83	86	122	99	101	174	269	182	116	102
4	91	90	84	87	128	101	110	200	229	174	115	102
5	91	90	81	86	125	104	115	208	227	169	114	104
6	92	90	80	85	119	116	128	204	241	169	113	102
7	91	89	80	83	162	118	134	196	252	164	113	103
8	91	89	81	82	206	120	132	194	255	158	110	102
9	90	88	79	85	201	411	268	209	250	156	110	102
10	90	88	79	84	146	490	279	206	249	153	107	102
11	90	88	79	84	166	286	242	208	240	153	109	102
12	90	85	78	82	141	295	224	193	241	152	106	101
13	90	82	77	80	104	434	223	187	246	152	108	101
14	88	80	75	78	100	289	223	179	246	152	110	101
15	88	81	78	80	111	238	198	188	246	152	110	101
16	89	82	77	79	161	206	220	187	247	149	110	100
17	97	83	80	82	188	192	231	184	246	150	119	100
18	94	117	76	111	180	187	211	192	248	144	109	99
19	97	107	77	93	171	188	208	182	236	144	109	99
20	97	92	78	87	160	208	214	186	238	139	109	98
21	96	89	77	87	149	204	221	194	264	138	110	98
22	93	88	74	88	120	184	211	199	289	141	108	97
23	91	86	74	87	109	187	199	199	288	136	108	96
24	90	86	76	87	110	184	237	202	289	132	108	94
25	90	87	76	87	109	136	344	199	296	130	106	93
26	90	86	76	90	110	116	291	199	269	128	106	92
27	91	86	77	87	111	109	260	194	259	127	106	91
28	91	86	78	87	112	109	246	192	246	127	106	90
29	90	---	78	87	118	106	229	202	194	123	106	90
30	90	---	79	96	112	101	165	208	192	125	104	89
31	90	---	80	---	99	---	150	215	122	122	---	90
Total	2831	2485	2437	2581	4172	5716	6210	6005	7516	4609	3305	3048
Mean	91	89	79	86	135	191	200	194	251	149	110	98
Max.	97	117	85	111	206	490	344	215	296	186	120	104
Min.	88	80	74	78	99	99	96	160	192	122	104	89
A.F.	5620	4930	4830	5120	8280	11340	12320	11910	14910	9140	6560	6050
Total 12 Months	---	---	101010	A.F.								

SHORT LINE CANAL from North Platte River - 1986
 Gage Location: NW1/4SE1/4 Sec. 25-21-53 W.
 near McGrew
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1916, 1920 - 1986

Date	Apr.	May	June	July	Aug.	Sept.
1	0	23	30	35	13	24
2	0	27	34	36	15	28
3	0	25	35	35	17	21
4	0	23	35	35	13	17
5	0	22	36	31	19	17
6	0	21	38	29	21	20
7	0	18	38	30	18	23
8	0	16	34	28	20	23
9	0	15	34	29	26	21
10	0	4.4	28	17	22	21
11	0	0	20	22	19	19
12	0	8.2	31	20	21	21
13	0	15	31	19	21	24
14	0	19	20	19	23	23
15	0	21	16	19	25	22
16	0	19	19	23	23	23
17	0	16	24	24	23	23
18	0	17	25	22	22	25
19	0	15	29	21	27	23
20	0	14	30	15	26	23
21	0	12	30	14	25	25
22	0	9.5	26	14	25	21
23	0	16	27	12	24	20
24	0	17	29	20	24	20
25	0	18	30	7.1	24	19
26	0	24	29	6.6	24	16
27	4.7	26	28	12	24	14
28	17	25	34	13	25	14
29	18	24	30	13	27	1.7
30	19	22	32	15	24	0
31	---	24	---	13	24	---
Total	58.7	556.1	882	648.7	684	591.7
Mean	2	18	29	21	22	20
Max.	19	27	38	36	27	28
Min.	0	0	16	6.6	13	0
A.F.	120	1100	1750	1290	1360	1170
Total 6 Months	---	---	6790	A.F.		

Appropriations: D-946

CHIMNEY ROCK CANAL from North Platte River - 1986
 Gage Location: SE1/4NR1/4 Sec. 1-20-53 W.
 near Bayard
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1916 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	36	77	47	47	26
2	0	37	86	44	52	23
3	0	36	93	44	53	32
4	0	37	93	50	51	33
5	0	41	91	58	51	28
6	6.3	42	90	53	49	25
7	10	47	91	52	48	26
8	10	51	91	54	46	26
9	7.2	32	92	55	46	27
10	10	30	94	59	46	32
11	12	22	90	58	43	34
12	10	29	90	54	41	35
13	13	30	89	52	43	36
14	18	25	88	55	42	35
15	27	13	87	61	40	31
16	30	24	89	61	40	28
17	26	48	80	59	38	26
18	14	48	67	59	42	22
19	16	45	67	58	40	21
20	26	46	78	58	37	20
21	28	40	79	61	20	22
22	26	31	73	66	34	23
23	28	28	77	64	24	26
24	16	39	12	58	22	21
25	9.2	48	11	61	25	18
26	0	45	6	59	28	18
27	16	47	6	55	33	16
28	41	55	10	53	29	7
29	39	59	18	52	31	0
30	39	68	17	53	22	0
31	37	---	28	52	---	0
Total	514.7	1179	2010	1725	1163	717
Mean	17	39	65	56	39	23
Max.	41	68	94	66	53	36
Min.	0	13	6	44	20	0
A.F.	1020	2340	3990	3420	2310	1420
Total 6 Months	---	---	14500	A.F.		

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

NORTH PLATTE RIVER BASIN

ALLIANCE CANAL from Red Willow Creek - 1986
 Gage Location: N1/4SW1/4 Sec. 6-20-51 W.
 near Bayard
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1918 - 1926, 1928 - 1986

Date	Apr.	May	June	July	Aug.	Sept.
1	0	17	28	54	70	0
2	0	17	17	54	65	0
3	0	17	22	55	66	20
4	0	17	31	52	57	32
5	0	16	41	52	57	27
6	0	19	51	54	50	37
7	0	12	60	60	55	42
8	0	0	51	57	50	45
9	0	0	25	35	51	37
10	0	4.9	0	0	60	31
11	0	9.4	0	22	55	31
12	0	20	0	61	54	36
13	0	45	0	64	57	39
14	0	47	2.8	59	55	33
15	0	54	15	62	61	38
16	0	51	21	76	54	32
17	0	33	23	38	59	29
18	0	38	23	66	53	36
19	0	51	21	66	55	30
20	0	42	21	66	57	15
21	0	41	23	69	52	33
22	0	44	22	65	40	29
23	0	50	31	0	5.8	24
24	0	45	29	0	27	28
25	9	49	34	0	43	36
26	23	24	42	28	42	25
27	17	16	46	54	40	10
28	13	20	43	49	44	3.3
29	14	27	40	45	48	0
30	14	25	48	53	43	0
31	---	26	---	54	38	---
Total	90	877.3	810.8	1470	1581.8	778.3
Mean	3	28	27	47	51	25
Max.	23	54	60	76	70	45
Min.	0	0	0	0	5.8	0
A.F.	180	1740	1610	2920	3140	1540
Total 6 Months	----	11130	A.F.			

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

BELMONT CANAL from North Platte River - 1986
 Gage Location: N1/4SW1/4 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	55	95	131	123	120	72
2	33	100	134	121	115	72
3	34	92	138	119	112	72
4	34	89	138	120	112	64
5	32	90	134	124	112	56
6	32	99	139	125	112	23
7	32	107	140	125	113	0
8	33	100	140	125	107	0
9	33	102	140	128	99	0
10	32	68	140	129	100	0
11	32	68	140	129	101	0
12	31	85	138	129	100	0
13	30	80	136	126	100	0
14	30	65	143	128	100	0
15	30	76	143	121	100	0
16	49	80	140	119	99	0
17	96	86	140	118	96	0
18	72	85	139	118	95	0
19	65	92	136	118	91	0
20	62	90	133	118	92	0
21	62	93	133	118	92	0
22	59	87	130	119	92	0
23	62	87	118	120	95	0
24	60	95	113	121	95	0
25	56	86	123	125	96	0
26	60	102	123	126	89	0
27	64	120	124	129	77	0
28	64	119	124	128	78	0
29	64	121	120	130	77	0
30	65	128	118	123	75	0
31	73	---	119	120	---	0
Total	1536	2787	4107	3822	2942	359
Mean	50	93	132	123	98	12
Max.	96	128	143	130	120	72
Min.	30	65	113	118	75	0
A.F.	3050	5530	8150	7580	5840	710
Total 6 Months	----	30860	A.F.			

Appropriations: D-828

ALLIANCE IRRIGATION DISTRICT
 Summary in Acre-feet--1986

	Apr.	May	June	July	Aug.	Sept.	Totals
Diverted from:							
Bayard Drain.....	360	1800	1510	990	410	820	5890
Red Willow Creek....	180	1740	1610	2920	3140	1540	11130
Totals.....	540	3540	3120	3910	3550	2360	17020

Total water diverted 17020 A.F.

EMPIRE CANAL from North Platte River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	24	12	6.8	3.1	0.8
2	0	28	12	6.6	2.5	0.8
3	0	25	12	6.6	1.9	0.8
4	0	24	12	7	1.7	0.7
5	0	24	12	7.2	1.7	0.7
6	0	25	12	7.2	1.7	0.3
7	0	24	12	6.8	1.8	0
8	0	24	11	7	1.6	0
9	0	23	11	7.2	1.3	0
10	0	22	11	7.2	1.2	0
11	0	23	11	7.3	1.1	0
12	0	25	10	7.3	1.1	0
13	0	24	11	7.7	1.1	0
14	0	20	11	7.7	1	0
15	0	21	12	20	0.9	0
16	0	20	11	25	0.9	0
17	12	21	10	22	0.8	0
18	25	20	10	23	0.8	0
19	24	19	10	26	0.7	0
20	24	19	9.3	25	0.7	0
21	23	18	9.1	25	0.7	0
22	22	15	9.1	25	0.7	0
23	22	14	8.7	25	0.7	0
24	22	14	7.5	25	0.7	0
25	21	14	7.5	24	0.7	0
26	21	14	7.3	23	0.7	0
27	22	14	7.2	19	0.7	0
28	22	14	7.2	17	0.7	0
29	22	13	7.2	11	0.7	0
30	23	12	7	4.2	0.8	0
31	23	---	6.8	3.6	---	0
Total	328	597	306.9	442.4	34.7	4.1
Mean	11	20	10	14	1	0
Max.	25	28	12	26	3.1	0.8
Min.	0	12	6.8	3.6	0.7	0
A.F.	650	1180	610	880	70	10
Total 6 Months	----	3400	A.F.			

Appropriations: D-858, A-866

INDIAN CREEK near Northport - 1986
 Gage Location: NE1/4SE1/4 Sec. 19-20-50 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1986

Date	May	June	July	Aug.	Sept.
1	5	23	60	26	84
2	5	29	82	44	112
3	5	23	28	42	70
4	5	32	34	41	53
5	5	32	39	35	66
6	5	35	29	47	68
7	5	30	19	47	70
8	5	30	16	50	63
9	5.6	29	23	46	58
10	5	41	31	41	60
11	5.3	18	30	53	51
12	5.6	16	64	22	56
13	5.3	17	50	24	56
14	22	16	35	21	55
15	22	15	42	25	42
16	25	19	34	34	37
17	40	14	24	43	39
18	30	15	25	54	38
19	21	15	32	45	45
20	51	17	33	45	40
21	43	27	34	32	36
22	35	22	37	26	35
23	34	18	114	28	40
24	36	16	51	30	38
25	38	32	32	42	41
26	30	45	42	56	40
27	23	41	52	76	32
28	22	51	62	39	25
29	23	50	52	65	27
30	13	48	40	61	27
31	17	---	31	57	---
Total	591.8	816	1277	1297	1504
Mean	19	27	41	42	50
Max.	51	51	114	76	112
Min.	5	14	16	21	25
A.F.	1170	1620	2530	2570	2980
Total 5 Months	---	---	10870	A.F.	---

UPPER DUGOUT CREEK near Bridgeport - 1986
 Gage Location: SE1/4SE1/4 Sec. 20-20-50 W.
 Measuring Device: Stage observation
 Period of Record: 1931 - 1986

Date	May	June	July	Aug.	Sept.
1	2.6	44	22	9.6	99
2	2.6	40	41	25	162
3	2.2	21	14	24	102
4	1.8	24	21	22	86
5	1.4	35	30	26	90
6	1.4	51	27	20	84
7	1.4	60	24	18	78
8	1.4	67	39	19	87
9	1.8	74	34	26	115
10	1.4	172	93	34	79
11	1.4	67	73	41	87
12	1.4	67	134	25	51
13	1.8	72	152	26	56
14	122	75	169	34	61
15	48	78	118	34	61
16	67	65	54	40	60
17	67	66	98	46	56
18	64	64	104	18	52
19	61	58	46	24	52
20	48	60	52	25	52
21	26	52	58	47	52
22	24	65	71	38	52
23	26	78	246	38	52
24	27	76	80	38	50
25	28	32	194	50	56
26	38	74	153	46	52
27	48	15	111	27	46
28	46	20	78	26	41
29	56	20	24	30	40
30	49	19	6	33	40
31	47	---	7.8	36	---
Total	914.6	1711	2365.8	945.6	2051
Mean	30	57	76	31	68
Max.	122	172	246	50	162
Min.	1.4	15	6	9.6	40
A.F.	1810	3390	4690	1880	4070
Total 5 Months	---	---	15840	A.F.	---

BROWNS CREEK CANAL from North Platte River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	37	66	80	38	0.8
2	0	54	75	78	30	0
3	0	60	85	78	24	0
4	0	60	100	70	22	0
5	0	58	110	62	22	0
6	0	58	114	58	21	0
7	0	53	113	61	22	0
8	0	35	106	60	22	0
9	0	21	91	60	16	0
10	0	6.2	68	66	11	0
11	0	7	75	74	9.7	0
12	0	13	66	78	9.2	0
13	0	5.4	64	78	9.2	0
14	11	4.3	58	76	9.5	0
15	23	8.4	71	75	9.5	0
16	14	12	86	75	9.5	0
17	13	9.7	86	75	8.7	0
18	12	9.5	88	75	9.2	0
19	11	10	85	81	8.9	0
20	11	11	79	81	12	0
21	14	11	77	77	13	0
22	15	11	77	65	13	0
23	18	13	78	58	11	0
24	16	13	70	48	9.5	0
25	14	10	79	46	8.7	0
26	14	12	66	50	7.8	0
27	12	18	63	51	9.2	0
28	25	32	64	50	8.1	0
29	32	38	58	46	11	0
30	36	48	52	47	8.4	0
31	38	---	44	48	---	0
Total	329	738.5	2414	2027	423.1	0.8
Mean	11	25	78	65	14	0
Max.	38	60	114	81	38	0.8
Min.	0	4.3	44	46	7.8	0
A.F.	650	1460	4790	4020	840	0
Total 6 Months	---	---	11760	A.F.	---	---

BROWNS CREEK CANAL
 Summary in Acre-feet--1986

	May	June	July	Aug.	Sept.	Oct.	Totals
Diverted:							
Natural.....	650	1460	4790	4020	840	0	11760
Storage.....	0	0	0	0	0	0	0
Totals.....	650	1460	4790	4020	840	0	11760

Total water diverted 11760 A.F.
 No storage request for 1986

Appropriations: D-857, D-1033

NORTH PLATTE RIVER BASIN

COURTHOUSE ROCK CANAL from Pumpkin Creek - 1986
 Gage Location: SR1/4SW1/4 Sec. 30-19-50 W.
 near Bridgeport
 Measuring Device: Stage recorder and concrete box
 Period of Record: 1917 - 1927, 1930 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	6.8	5.7	6.3	5.5	6.8
2	0	6.5	5.6	6.2	5.4	6.8
3	0	6.3	5.5	6.3	5.4	6.9
4	0	6.1	5.5	6.2	5.2	6.8
5	0	6.2	5.2	6.1	5.3	6.8
6	0	6.1	5.4	6	5.8	6.8
7	0	6.1	5.4	5.7	6.1	6.8
8	0	6.5	5.4	5.5	5.8	6.8
9	0	7.4	4.1	5.5	5.6	6.8
10	0	4.9	4.3	5.5	5.5	1.7
11	0	2.7	5	5.7	5.6	0
12	0	2.1	5	5.5	5.6	0
13	0	2.4	5.2	5.5	5.6	0
14	0	2.3	5.2	5.7	5.7	0
15	0	2.4	2.7	5.5	5.8	0
16	0	2.4	0	5.2	5.9	0
17	0	2.4	0	5.2	5.8	0
18	0	4.2	0	4.9	5.8	0
19	0	5.9	0	4.7	6	0
20	4	5.5	0	4.4	6	0
21	7.3	5	0	4.5	6.1	0
22	7	5.2	1	4.5	6.2	0
23	7	5.3	5.6	4.6	6.3	0
24	7	5.5	5.8	4.7	6.3	0
25	7	5.7	5.8	4.7	6.5	0
26	7.3	5.7	5.9	4.7	6.3	0
27	7.4	5.7	5.9	4.9	6.5	0
28	7.6	5.7	5.9	5	6.5	0
29	7.4	5.7	6.1	4.8	6.5	0
30	7.2	5.7	6.4	5	6.5	0
31	6.9	---	6.5	5.2	---	0
Total	83.1	150.4	130.1	164.2	177.1	63
Mean	2.7	5	4.2	5.3	5.9	2
Max.	7.6	7.4	6.5	6.3	6.5	6.9
Min.	0	2.1	0	4.4	5.2	0
A.F.	165	298	258	326	351	125
Total 6 Months	---	---	1520	A.F.	---	---

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

LAST CHANCE CANAL from Pumpkin Creek - 1986
 Gage Location: SR1/4NW1/4 Sec. 27-19-50 W.
 near Bridgeport
 Measuring Device: Stage recorder
 Period of Record: 1921, 1922, 1931 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	0	2.6	2
2	0	0	0	2.7	0
3	0	0	0	2.7	0
4	0	0	0	3.1	0
5	0	0	0	3	0
6	0	0	0	3	0
7	0	0	0.4	3	0
8	0	0	2.8	2.6	0
9	0	0	3.3	2.6	0
10	0	0	4.2	2.7	0
11	0	0	4.3	2.8	0
12	0	0	4	2.6	0
13	0	0	3.9	2.8	0
14	0	0	3.9	2.6	0
15	0	0	3.8	2.6	0
16	0	0	4.7	2.5	0
17	0	0	4.8	2.8	0
18	0	0	4.7	1.1	0
19	0	0	4.5	0	0
20	0	0	4.5	0	0
21	0	0	4.5	0	0
22	0	0	4.3	0	0
23	0	0	4	0	0
24	0	0	2.8	0	0
25	0	0	2.6	0.4	0
26	0	0	2.6	2.2	0
27	0	0	2.7	2.3	0
28	0	0	2.8	1.6	0
29	0	0	2.7	1.5	0
30	0	0	2.4	2	0
31	0	---	2.5	2.5	---
Total	0	0	87.7	60.7	2
Mean	0	0	2.8	2	0.1
Max.	0	0	4.8	3.1	2
Min.	0	0	0	0	0
A.F.	0	0	174	120	4
Total 5 Months	---	---	298	A.F.	---

Appropriations: D-883

BELMONT SPILL into Pumpkin Creek - 1986
 Gage Location: SW1/4NE1/4 Sec. 23-19-50 W.
 near Bridgeport
 Measuring Device: Stage observation and 12 ft. weir
 Period of Record: 1965 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	13	11	14	3	10	9
2	19	10	8	3	11	9
3	21	25	7	3	12	9
4	21	16	7	3	12	9
5	20	7	5	3	12	9
6	20	6	4	3	12	9
7	20	4	3	3	12	4
8	25	3	0	3	11	0
9	27	6	0	3	11	0
10	22	28	3	3	11	0
11	16	19	6	3	11	0
12	15	13	5	3	11	0
13	16	32	4	2	10	0
14	15	28	4	2	10	0
15	17	33	2	2	10	0
16	21	34	2	2	10	0
17	17	34	4	2	10	0
18	29	34	5	2	10	0
19	30	34	3	2	10	0
20	30	35	3	2	10	0
21	25	35	2	2	10	0
22	21	38	4	2	10	0
23	21	39	5	2	10	0
24	21	42	4	2	9	0
25	18	38	4	2	9	0
26	17	35	4	2	9	0
27	18	37	4	2	9	0
28	20	21	3	2	9	0
29	19	18	3	2	9	0
30	17	15	3	4	9	0
31	13	---	3	6	---	0
Total	624	730	128	80	309	58
Mean	20	24	4	3	10	2
Max.	30	42	14	6	12	9
Min.	13	3	0	2	9	0
A.F.	1240	1450	250	160	610	120
Total 6 Months	---	---	3830	A.F.	---	---

HEREDITH-AMNER CANAL from Pumpkin Creek - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	2.8	8.8	5.6	1.4
2	0	2.8	8.2	5.4	0
3	0	2.9	8.2	5	0
4	0	2.9	8.2	4.9	0
5	0	2	7.3	4.6	0
6	0	0	5.4	4.6	0
7	0	0	5.2	4.6	0
8	0	0	4.9	4.5	0
9	0	0	5	4.2	0
10	0	0	5	3.5	0
11	0	0	5.2	3.2	0
12	0	0	5.2	2.9	0
13	0	0	5.2	3	0
14	0	0	5.2	3.1	0
15	0	0	5.2	3.1	0
16	0	0	6	2.9	0
17	0	0	6.9	2.6	0
18	0	0	7.1	3.1	0
19	0	0	7.2	4.5	0
20	1.7	0	7.2	4.3	0
21	3	0	7.2	3.9	0
22	3	0	7.2	3.6	0
23	3	4.2	7.3	3.7	0
24	3	6.8	8	3.8	0
25	3.1	6.1	7.8	3.9	0
26	3.1	4.5	7.3	2.6	0
27	3.1	4.9	6.6	2	0
28	3	7.9	6.4	1.6	0
29	3	9.2	6.1	1.8	0
30	2.9	9.1	5.9	5.3	0
31	2.9	---	5.7	5.8	---
Total	34.8	66.1	202.1	117.6	1.4
Mean	1.1	2.2	6.5	3.8	0
Max.	3.1	9.2	8.8	5.8	1.4
Min.	0	0	4.9	1.6	0
A.F.	69	131	401	233	3
Total 5 Months	---	---	837	A.F.	---

Appropriations: D-876

NORTH PLATTE RIVER BASIN

SILVERNAIL DRAIN near Bridgeport - 1986
 Gage Location: SE1/4SW1/4 Sec. 6-19-49 W.
 Measuring Device: Stage observation
 Period of Record: 1925 - 1949, 1956 - 1986

Date	May	June	July	Aug.	Sept.
1	5.9	26	18	24	40
2	6.1	26	17	21	48
3	6.1	27	18	20	30
4	6.1	26	18	20	28
5	5.9	36	19	19	26
6	7.5	35	18	20	30
7	6.1	32	18	21	33
8	6.2	32	19	20	32
9	6.4	32	18	20	34
10	6.4	34	23	19	28
11	6.4	37	18	20	32
12	6.4	33	20	17	33
13	6.5	34	20	27	28
14	6.9	26	19	18	23
15	19	18	18	19	24
16	23	18	17	18	25
17	23	18	23	18	23
18	24	29	24	20	24
19	25	35	25	15	26
20	24	35	25	15	27
21	29	33	25	18	28
22	31	34	24	18	26
23	30	34	34	17	26
24	30	34	20	15	25
25	30	21	28	14	25
26	30	17	26	15	24
27	30	17	24	27	24
28	30	18	21	26	24
29	30	18	24	28	22
30	24	18	26	30	21
31	26	---	25	32	---
Total	546.9	833	672	631	839
Mean	18	28	22	20	28
Max.	31	37	34	32	48
Min.	5.9	17	17	14	21
A.F.	1080	1650	1320	1250	1660
Total 5 Months	---	---	6970	A.F.	---

BEERLINE CANAL from North Platte River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	1.2	17	16	14	3.1
2	0	7.8	18	14	15	1.7
3	0	10	18	12	15	0
4	0	9	18	11	15	0
5	0	9.5	17	10	15	0
6	0	13	17	11	15	0
7	0	15	17	10	12	0
8	0	17	15	10	10	0
9	0	17	16	10	8.2	0
10	0	6.9	18	10	6.7	0
11	0	1.6	18	10	5.2	0
12	0	1.2	16	8	4.8	0
13	0	1.2	15	7.1	4.6	0
14	0	1.4	15	6.3	4.4	0
15	0	1.4	14	6.1	4.1	0
16	0	1.4	15	5.5	4	0
17	0	1.2	17	8.1	4	0
18	0	1.2	17	15	3.8	0
19	0	1.1	17	15	3.8	0
20	0	1.3	17	14	3.7	0
21	0	1.3	17	15	3.5	0
22	0	1.3	17	15	3.5	0
23	0	1.2	18	16	3.5	0
24	0	1.1	17	16	3.4	0
25	0	1.1	16	16	3.4	0
26	0	1	15	14	3.3	0
27	0	0.9	14	14	3.3	0
28	0	7.6	13	14	3.2	0
29	0	12	12	14	3.3	0
30	0	16	11	14	3.1	0
31	1.9	---	15	14	---	0
Total	1.9	162.9	497	371.1	201.8	4.8
Mean	0	5	16	12	7	0
Max.	1.9	17	18	16	15	3.1
Min.	0	0.9	11	5.5	3.1	0
A.F.	0	320	990	740	400	10
Total 6 Months	---	---	2460	A.F.	---	---

Appropriations: D-887

BELMONT CANAL from Cedar Creek - 1986
 Gage Location: NE1/4SW1/4 Sec. 23-18-48 W.
 near Broadwater
 Measuring Device: Stage recorder and concrete box
 Period of Record: 1919, 1922 - 1923, 1926 - 1927,
 1929 - 1943, 1948 - 1952,
 1955 - 1964, 1966 - 1986

Date	May	June	July	Aug.	Sept.
1	0	8.9	9	6.5	8.2
2	0	7.8	7.9	6.9	8.3
3	0	6.3	7.7	7.1	7.7
4	0	5.8	7.5	7.1	5.1
5	0	5.8	7.5	7.1	5.2
6	0	5.7	7.5	5.2	4.3
7	0	5.7	7.1	4.2	4.7
8	0	6.8	6.6	3.9	4.5
9	0	13	6	4.6	4.3
10	0	9.4	6	5.1	5.5
11	0	3.7	6.1	5.5	7.5
12	0	3.8	6.5	6.1	7.6
13	0	4.2	6.9	6.4	7.8
14	0	3.7	6.4	6.4	8.2
15	0	3.6	5.8	6.4	3.6
16	0	3.5	5.7	6	0
17	0	3.4	5.1	5.8	0
18	0	3.4	4.9	5.1	0
19	0	3.3	4.6	3.7	0
20	0	3.4	4.9	3.9	0
21	0	3.3	4.9	3.3	0
22	5.1	3	5.3	2.9	0
23	9.3	2.7	6	3.3	0
24	9.3	2.2	5.7	4.8	0
25	9.3	1.9	5.2	7.2	0
26	9.3	5.2	5.2	7.9	0
27	9.3	6.5	5.2	8.7	0
28	9.4	6.5	4.7	8.8	0
29	9.3	7.2	4.9	8.4	0
30	9.1	7.9	4.9	7.9	0
31	9	---	5.3	7.9	---
Total	88.4	157.6	187	184	92.5
Mean	2.9	5.3	6	5.9	3.1
Max.	9.4	13	9	8.8	8.3
Min.	0	1.9	4.6	2.9	0
A.F.	175	313	371	365	183
Total 5 Months	---	---	1410	A.F.	---

Appropriations: D-828, A-1397

BEERLINE CANAL
 Summary in Acre-feet--1986

	May	June	July	Aug.	Sept.	Oct.	Totals
Diverted:							
Natural.....	0	320	990	740	400	10	2460
Storage.....	0	0	0	0	0	0	0
Totals.....	0	320	990	740	400	10	2460

Total water diverted 2460 A.F.
 No storage request for 1986

NORTH PLATTE RIVER BASIN

CEDAR CREEK near Broadwater - 1986
 Gage Location: S1/4NW1/4 Sec. 11-10-40 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1962, 1965 - 1986

Date	May	June	July	Aug.	Sept.
1	8.6	8	1.1	0.8	17
2	8.6	11	1.1	1.3	18
3	8.6	9.6	0.6	1.2	22
4	8.6	1	0.6	1.1	19
5	8.6	2.5	0.5	1.1	20
6	8.8	7	0.5	0.5	20
7	8.6	7.4	0.5	0.4	20
8	8.6	9.2	0.4	0.2	23
9	10	11	0	0.2	22
10	9.2	40	0.6	0.2	20
11	8.8	23	0.5	1.6	23
12	8.4	24	0.5	0.2	31
13	8.6	24	0.6	0	32
14	8.8	22	0.6	0.1	34
15	9.8	20	0.5	0.2	36
16	10	24	0.5	0.3	38
17	9.8	21	0	0.4	39
18	21	22	0.2	0	41
19	32	21	0	0	35
20	26	24	0.8	0	36
21	23	26	1.7	0	36
22	23	29	2.5	0.1	37
23	22	32	7.4	1	35
24	13	24	2.4	1.8	36
25	3.8	29	1.8	0.5	37
26	4.6	18	2.8	6.1	41
27	5.3	5.9	3.8	11	37
28	10	9.4	4.8	14	33
29	9.6	5	0.5	15	32
30	5.3	0.5	1.1	16	36
31	5	---	1.1	16	---
Total	356	510.5	40	91.3	906
Mean	11.5	17	1.3	2.9	30.2
Max.	32	40	7.4	16	41
Min.	3.8	0.5	0	0	17
A.F.	706	1013	79	181	1797
Total 5 Months	---	---	3780	A.F.	---

BELMONT CANAL
 Summary in Acre-feet--1986

	May	June	July	Aug.	Sept.	Oct.	Totals
Diverted from:							
North Platte River.....	3050	5530	8150	7580	5840	710	30860
Cedar Creek.....	175	313	371	365	183	0	1407
Totals.....	3225	5843	8521	7945	6023	710	32267

Total water diverted 32267 A.F.
 No storage requests for 1986

LISCO CANAL from North Platte River - 1986
 Gage Location: NW1/4NW1/4 Sec. 24-18-47 W.
 near Lisco
 Measuring Device: Stage recorder and weir
 Period of Record: 1918 - 1927, 1929 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	44	60	52	57	24
2	0	43	72	61	48	22
3	0	53	78	61	54	22
4	0	56	71	61	51	25
5	0	56	66	62	48	22
6	0	57	65	64	47	19
7	0	59	64	59	44	19
8	0	62	68	56	46	23
9	0	62	71	57	45	22
10	0	51	76	58	43	23
11	0	45	71	59	43	29
12	22	36	64	56	43	14
13	45	41	61	54	46	0
14	43	60	66	53	49	0
15	42	56	62	52	50	0
16	43	56	63	51	44	0
17	47	61	67	57	43	0
18	48	61	61	60	43	0
19	43	61	60	55	45	0
20	39	60	55	53	48	0
21	40	50	60	54	51	0
22	40	51	66	55	52	0
23	34	49	66	54	52	0
24	36	60	62	49	52	0
25	32	61	65	50	53	0
26	41	52	65	51	48	0
27	48	51	62	52	32	0
28	47	57	62	51	33	0
29	47	64	66	51	32	0
30	46	60	64	53	25	0
31	45	---	60	55	---	0
Total	828	1635	2019	1716	1367	264
Mean	27	55	65	55	46	9
Max.	48	64	78	64	57	29
Min.	0	36	55	49	25	0
A.F.	1640	3240	4000	3400	2710	520
Total 6 Months	---	---	15510	A.F.	---	---

Appropriations: D-787R, D-856, A-243R, A-991, A-465R, A-5572

LISCO CANAL from Cold Water Creek - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	1	2	2	3	3
2	0	1	2	2	3	3
3	0	1	2	2	3	3
4	0	1	2	2	3	2
5	0	1	2	2	3	2
6	0	1	2	2	3	2
7	0	2	2	2	3	2
8	0	2	2	2	3	0
9	0	2	2	2	3	0
10	0	2	2	2	2	0
11	0	2	2	2	2	0
12	0	2	2	2	2	0
13	1	2	2	2	2	0
14	1	2	2	2	2	0
15	1	2	2	2	2	0
16	1	2	2	2	2	0
17	1	2	2	2	2	0
18	1	2	2	2	2	0
19	1	2	2	2	2	0
20	1	2	2	2	2	0
21	1	2	2	2	2	0
22	1	2	2	2	2	0
23	1	2	2	2	2	0
24	1	2	2	2	2	0
25	1	2	2	2	3	0
26	1	2	2	2	3	0
27	1	2	2	3	3	0
28	1	2	2	3	3	0
29	1	2	2	3	3	0
30	1	2	2	3	3	0
31	1	---	2	3	---	0
Total	19	54	62	67	75	17
Mean	1	2	2	2	3	1
Max.	1	2	2	3	3	3
Min.	0	1	2	2	2	0
A.F.	40	110	120	130	150	30
Total 6 Months	---	---	580	A.F.	---	---

Appropriations: D-796

COLD WATER CREEK near Lisco - 1986
 Gage Location: NE1/4NE1/4 Sec. 34-10-16 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1942, 1953 - 1957,
 1960 - 1986

LISCO CANAL
 Summary in Acre-feet--1986

	May	June	July	Aug.	Sept.	Oct.	Totals
Diverted from:							
North Platte River....	1640	3240	4000	3400	2710	520	15510
Cold Water Creek.....	40	110	120	130	150	30	580
Totals.....	1680	3350	4120	3530	2860	550	16090

Total water diverted 16090 A.F.
 No storage request for 1986

Date	May	June	July	Aug.	Sept.
1	4.1	2.4	1.7	1.8	1.3
2	3.9	2.3	1.6	1.8	1.2
3	4	2.2	1.8	1.7	1.2
4	4	2.2	2	1.6	1.4
5	4.1	2.3	2.3	1.8	1.4
6	4.3	2.2	1.9	1.7	1.3
7	4	2.2	1.5	1.4	1.2
8	4.1	2.2	1.5	1.6	1.2
9	4	2.2	1.5	1.8	1.1
10	3.8	1.6	1.5	1.9	1
11	3.8	2.5	1.6	1.8	1
12	3.8	2.4	1.5	1.2	1
13	3.8	2.5	1.6	1.2	1
14	2.9	2.5	1.6	1.2	0.9
15	2.8	2.5	1.6	1.3	0.8
16	3.1	2.1	1.6	1.5	1.1
17	2.8	2.1	1.6	1.7	1.4
18	2.8	2	1.6	1.2	1.4
19	2.7	2	1.8	1.2	1.7
20	2.7	2	1.8	1.2	1.4
21	2.6	2.1	1.9	1.3	1
22	2.6	1.9	1.6	1.4	1.1
23	2.7	1.7	1.6	1.4	1
24	2.6	1.7	1.5	1.4	1
25	2.4	1.7	1.7	1.9	1.1
26	2.4	1.6	1.6	1.3	1
27	2.3	1.7	1.5	1.2	1
28	2.4	1.7	1.4	1.3	0.9
29	2.4	1.6	1.4	1.4	1
30	2.4	1.6	1.4	1.4	1
31	2.4	---	1.6	1.3	---
Total	98.7	76.1	50.8	45.9	34.1
Mean	3.2	2.5	1.6	1.5	1.2
Max.	4.3	1.6	2.3	1.9	1.7
Min.	2.3	1.6	1.4	1.2	0.8
A.F.	196	151	101	91	68
Total 5 Months	---	---	697	A.F.	---

MIDLAND-OVERLAND CANAL from North Platte River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	21	7.3	2.6	0.2
2	0	0	20	4.3	3.2	0.2
3	0	0	21	2.9	3.8	0.3
4	0	0	12	4.9	4.3	0.1
5	0	0	4	15	3.2	0.1
6	0	0.3	3.8	14	2.6	0
7	0	0.3	3.7	13	3	0
8	0	0.3	3.7	10	3.1	0.1
9	0	0.2	4.2	10	3.2	0
10	0	0.2	3.2	12	3.1	0
11	0	0.3	3.4	14	3	0
12	0	0.3	3.4	12	3	0
13	0	2.8	16	8	2.9	0
14	0	4.4	21	7.8	2.9	0
15	0	4.6	20	7.3	5.7	0
16	0	14	20	6.6	7.8	0
17	0	18	19	6.1	7.6	0
18	0	18	17	8	6.7	0
19	0	20	15	8.1	6.9	0
20	0	21	14	6.9	6.7	0
21	0	22	15	16	6.4	0
22	0	22	15	17	6.4	0
23	0	23	15	15	6.4	0
24	0	23	17	16	6.7	0
25	0	23	13	17	6.7	0
26	0	23	13	20	6.6	0
27	0	23	11	13	2.5	0
28	0	23	14	7.5	0.3	0
29	0	22	19	4.3	0.2	0
30	0	22	16	3	0.2	0
31	0	---	11	2.4	---	0
Total	0	330.7	404.4	309.4	127.7	1
Mean	0	11	13	10	4	0
Max.	0	23	21	20	7.8	0.3
Min.	0	0	3.2	2.4	0.2	0
A.F.	0	660	800	610	250	0
Total 6 Months	---	---	2320	A.F.	---	---

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

PAISLEY CANAL from Blue Creek - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	1.2	1	19	9.4
2	0	0	0	4	18	10
3	0	0	0	4.3	16	10
4	0	0	0	4.2	16	8.2
5	0	0	0	4.7	16	6.6
6	0	0	0	5.5	18	5.5
7	0	12	0	5.8	18	5.5
8	0	19	0	6.3	17	5.2
9	0	19	0.3	7.7	16	1.7
10	0	20	2	7.5	17	0
11	0	21	5	7.1	17	0
12	0	17	5.6	6.6	16	0
13	0	18	6.3	6.8	16	0
14	0	19	6.1	7.1	17	0
15	0	19	6.6	7.5	17	0
16	0	19	7.3	7.1	17	0
17	0	19	8	6.4	17	0
18	0	19	11	6.6	18	0
19	0	19	13	7.1	18	0
20	0	20	12	10	17	0
21	0	22	13	14	17	0
22	0	20	16	15	18	0
23	0	16	13	14	18	0
24	0	16	7.7	15	13	0
25	0	16	9	16	3.3	0
26	0	12	11	17	4.6	0
27	0	9.1	10	17	7.4	0
28	0	12	10	16	8.8	0
29	0	12	8	16	8.4	0
30	0.3	6.1	4	16	8.8	0
31	0.4	---	2.5	16	---	0
Total	0.7	401.2	188.6	295.3	448.3	62.1
Mean	0	13	6	10	15	2
Max.	0.4	22	16	17	19	10
Min.	0	0	0	1	3.3	0
A.F.	0	800	370	590	890	120
Total 6 Months	---	---	2770	A.F.	---	---

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

NORTH PLATTE RIVER BASIN

BLUE CREEK CANAL from Blue Creek & Crescent Lake - 1986
 Gage Location: SM1/4SE1/4 Sec. 6-16-42 W.
 near Lewellen
 Measuring Device: Stage recorder and 8 ft. Parshall flume
 Period of Record: 1917 - 1919, 1921 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	6.2	39	33	32	27
2	0	5.7	40	38	30	25
3	0	11	33	41	29	20
4	0	14	36	40	30	19
5	0	15	41	40	30	19
6	0	14	38	35	32	23
7	0	16	38	36	29	25
8	0	16	41	38	21	26
9	0	17	41	39	20	29
10	0	24	43	38	20	27
11	0	24	40	38	20	20
12	0	16	38	40	26	22
13	0	18	38	38	32	22
14	0	24	37	38	32	7.3
15	0	20	32	39	30	0
16	0	18	30	38	30	0
17	0	21	29	36	33	0
18	0	25	24	36	35	0
19	9.8	38	30	34	35	0
20	0	43	30	34	32	0
21	0	45	31	35	32	0
22	0	39	34	35	29	0
23	10	38	37	34	26	0
24	12	37	40	34	26	0
25	6.7	37	39	36	25	0
26	8.2	36	40	33	26	0
27	6.7	26	40	37	26	0
28	2.4	34	39	37	26	0
29	2.6	40	40	37	26	0
30	7.6	39	40	35	26	0
31	6.5	---	38	29	---	0
Total	72.5	756.9	1136	1131	846	311.3
Mean	2	25	37	36	28	10
Max.	12	45	43	41	35	29
Min.	0	5.7	24	29	20	0
A.F.	140	1500	2250	2240	1680	620
Total 6 Months	----	----	8430	A.F.	----	----

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

UNION CANAL from Blue Creek - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	15	13	4.7
2	0	0	16	14	5.3
3	0	0	16	13	4.7
4	0	0	15	13	4
5	0	0	15	12	5.6
6	0	0	16	10	5.2
7	0	0	16	9.5	5.3
8	0	0	16	7.2	4.6
9	0	0	16	6.9	4.6
10	0	0	16	6.6	4.5
11	0	0	15	10	4.5
12	0	0	14	9.4	3
13	0	0	11	13	3
14	0	0	10	15	4.4
15	0	0	12	15	3.6
16	0	0	12	14	3.1
17	0	0	11	14	3
18	0	0	9.8	16	3
19	0	0	9.3	15	2.1
20	0	0	9.1	14	1
21	0	0	13	7.1	0.8
22	0	0	14	3.9	1.7
23	0	0	15	6.6	3
24	0	0.1	15	9	3
25	0	8.9	12	8.3	3
26	0	13	11	8.4	1.9
27	0	14	10	6	0
28	0	14	10	3.9	0
29	0	14	10	1	0
30	0	14	15	0.9	0
31	0	---	15	1.5	---
Total	0	78	410.2	297.2	92.6
Mean	0	2.6	13.2	9.6	3.1
Max.	0	14	16	16	5.6
Min.	0	0	9.1	0.9	0
A.F.	0	155	814	589	184
Total 5 Months	----	----	1740	A.F.	----

Appropriations: D-763

HOOPER CANAL from Blue Creek - 1986
 Gage Location: NW1/4SW1/4 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	12	12	16	7.8
2	0	0	13	12	18	6.3
3	0	0	14	14	14	5
4	0	0	14	13	14	5.1
5	0	0	12	14	14	5.2
6	0	0	12	13	15	4.7
7	0	0	12	12	14	4
8	0	0	12	12	14	3.9
9	0	4	12	12	14	4.3
10	0	0	12	11	13	4.9
11	0	0	11	11	14	4.9
12	0	0	11	11	10	0
13	0	0	11	10	8.1	0
14	0	0	11	10	7.5	0
15	0	0	11	10	5.4	0
16	0	3.3	13	12	0	0
17	0	7.6	13	16	1.5	0
18	0	10	12	13	3.4	0
19	0	9.9	13	13	3.4	0
20	0	12	14	12	1.1	0
21	0	13	12	11	1.3	0
22	0	14	11	12	2.5	0
23	0	13	13	12	3.3	0
24	0	10	12	12	2.4	0
25	0	11	11	12	0	0
26	0	12	11	15	0	0
27	0	11	12	13	0	0
28	0	10	12	13	0	0
29	0	11	12	12	0	0
30	0	14	12	13	4.6	0
31	0	---	13	14	---	0
Total	0	166	376	382	214.5	56.1
Mean	0	6	12	12	7	2
Max.	0	14	14	16	18	7.8
Min.	0	0	11	10	0	0
A.F.	0	330	750	760	430	110
Total 6 Months	----	----	2380	A.F.	----	----

Appropriations: D-781(Pet.410)

GRAF CANAL from Blue Creek - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	0	11	12	11	6.7
2	0	3.8	10	10	11	6.7
3	0	4.3	10	7.5	11	6.6
4	0	3	12	9.7	11	6
5	0	0.5	8.6	9.3	10	6
6	0	5.9	10	11	10	6
7	0	7.8	11	12	11	5.7
8	0	6.9	13	14	11	4.8
9	0	7.3	14	14	11	3.8
10	0	9.1	15	13	11	3.8
11	0	8.4	13	11	11	3.6
12	0	2	12	11	10	3.4
13	0	2.1	13	9.4	10	3.2
14	0	2	13	8.5	10	2.5
15	0	2	13	8.5	10	2.6
16	0	4.4	13	8.2	11	2.6
17	0	8.5	13	6.1	11	2.3
18	0	9.2	14	6.3	11	2.3
19	0	7.9	14	6.3	11	1.2
20	0	4.3	13	6.3	11	0
21	0	6.3	7.6	6.9	12	0
22	0	8.7	0	6.9	11	0
23	0	13	0.6	7.5	11	0
24	0	13	9.3	9.5	11	0
25	0	8.4	9.8	9.3	10	0
26	0	4.8	7	11	8.1	0
27	0	13	7.5	13	8	0
28	0	10	7	13	7.6	0
29	0	2.5	6.6	14	7.5	0
30	0	5.2	5.6	15	7.3	0
31	0	---	6.4	14	---	0
Total	0	184.3	313	314.2	307.5	79.8
Mean	0	6	10	10	10	3
Max.	0	13	15	15	12	6.7
Min.	0	0	0	6.1	7.3	0
A.F.	0	370	620	620	610	160
Total 6 Months	----	----	2380	A.F.	----	----

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

NORTH PLATTE RIVER BASIN

KINGSLEY RESERVOIR from North Platte River - 1986
 Gage Location: SW1/4 Sec. 3-14-38 W.
 near Ogalala
 Measuring Device: Stage recorder
 Period of Record: 1941 - 1986

STORAGE LEVEL		ELEVATION (Feet)											CONTENT (Acre-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	1550600	1595600	1632600	1604100	1644000	1711000	1801600	1765000	1559000	1514800	1525600	1553400	
2	1550600	1595600	1632600	1609800	1644000	1711000	1798600	1759000	1559000	1514800	1525600	1553400	
3	1553400	1598400	1632600	1612600	1644000	1711000	1801600	1753000	1556200	1514800	1528300	1553400	
4	1553400	1598400	1629800	1615500	1649800	1711000	1801600	1747000	1553400	1514800	1528300	1553400	
5	1553400	1601200	1629800	1615500	1644000	1711000	1801600	1741000	1550600	1514800	1528300	1556200	
6	1556200	1604100	1629800	1618400	1644000	1714000	1801600	1729000	1547800	1514800	1531000	1559000	
7	1556200	1607000	1629800	1618400	1646900	1714000	1801600	1723000	1542200	1514800	1531000	1561800	
8	1556200	1609800	1626900	1621200	1649800	1714000	1798600	1717000	1536600	1514800	1531000	1564600	
9	1559000	1609800	1626900	1621200	1649800	1717000	1801600	1708000	1533800	1514800	1531000	1564600	
10	1559000	1609800	1626900	1624000	1658500	1720000	1801600	1702000	1531000	1514800	1531000	1564600	
11	1561800	1609800	1626900	1624000	1664300	1726000	1798600	1696200	1528300	1514800	1533800	1564600	
12	1561800	1607000	1624000	1626900	1670100	1732000	1798600	1690400	1525600	1514800	1533800	1564600	
13	1564600	1607000	1624000	1629800	1675900	1744000	1798600	1684600	1520200	1514800	1531000	1567400	
14	1564600	1607000	1621200	1629800	1678800	1747000	1798600	1678800	1517500	1514800	1531000	1567400	
15	1567400	1607000	1621200	1629800	1684600	1750000	1795600	1670100	1514800	1514800	1533800	1567400	
16	1570200	1607000	1621200	1629800	1690400	1762000	1795600	1664300	1512100	1514800	1533800	1567400	
17	1570200	1609800	1621200	1635400	1693300	1768100	1795600	1655600	1509400	1514800	1536600	1570200	
18	1573000	1609800	1621200	1635400	1699100	1774200	1795600	1649800	1509400	1514800	1539400	1567400	
19	1575800	1612600	1618400	1638300	1702000	1780300	1795600	1644000	1509400	1517500	1542200	1570200	
20	1578600	1615500	1615500	1638300	1705000	1780300	1795600	1638300	1509400	1517500	1542200	1570200	
21	1578600	1618400	1615500	1641200	1708000	1783400	1792500	1629800	1509400	1517500	1545000	1570200	
22	1578600	1621200	1612600	1641200	1708000	1789400	1792500	1621200	1509400	1520200	1545000	1570200	
23	1581400	1624000	1609800	1644000	1708000	1792500	1789400	1612600	1509400	1520200	1545000	1570200	
24	1581400	1626900	1612600	1641200	1708000	1795600	1789400	1607000	1509400	1522900	1547800	1570200	
25	1584200	1626900	1609800	1644000	1708000	1798600	1789400	1601200	1512100	1522900	1547800	1570200	
26	1584200	1629800	1609800	1644000	1708000	1798600	1786400	1595600	1512100	1522900	1547800	1570200	
27	1587000	1629800	1609800	1646900	1711000	1801600	1786400	1587000	1512100	1522900	1547800	1570200	
28	1587000	1632600	1609800	1646900	1711000	1801600	1783400	1581400	1512100	1522900	1547800	1570200	
29	1589800	-----	1609800	1646900	1711000	1798600	1780300	1575800	1512100	1525600	1550600	1570200	
30	1592700	-----	1607000	1644000	1711000	1801600	1774200	1567400	1512100	1525600	1550600	1570200	
31	1592700	-----	1607000	-----	1711000	-----	1768100	1564600	-----	1525600	-----	1570200	

Appropriations: A-2374

SUTHERLAND CANAL from North Platte River for Storage and Power - 1986
 Gage Location: NW1/4NW1/4 Sec. 7-14-37 W.
 near Keystone
 Measuring Device: Stage recorder and concrete control section
 Period of Record: 1936 - 1986

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	746	794	1320	1720	1620	1200	1780	1670	1690	0	946	1530
2	748	799	1440	1730	1610	1070	1760	1650	1690	0	1040	1530
3	748	799	1540	1740	1560	1070	1760	1640	1690	0	1140	1540
4	753	808	1620	1740	1470	1080	1740	1620	1690	0	1250	1540
5	756	810	1700	1730	1360	1090	1730	1570	1690	0	1350	1530
6	754	810	1720	1720	1280	1100	1720	1580	1700	0	1460	1540
7	754	815	1710	1730	1280	1100	1700	1600	1690	0	1530	1530
8	701	820	1690	1720	1270	1110	1700	1620	1680	0	1530	1530
9	694	827	1660	1710	1280	1200	1700	1630	1680	0	1530	1540
10	694	827	1660	1700	1220	1060	1700	1630	1680	0	1540	1540
11	694	810	1540	1670	1070	1060	1690	1660	1670	0	1540	1530
12	691	785	1450	1450	1000	1260	1680	1680	1680	0	1440	1540
13	636	824	1500	1220	999	1400	1680	1680	1670	0	1520	1530
14	729	820	1590	1040	997	1570	1670	1680	1550	0	1520	1540
15	796	818	1650	997	995	1650	1670	1670	1430	0	1520	1540
16	794	813	1650	993	1050	1700	1670	1660	1190	0	1520	1540
17	794	888	1650	1170	1290	1750	1660	1650	972	0	1520	1540
18	794	980	1650	1230	1400	1740	1670	1640	891	0	1520	1540
19	792	988	1650	1210	1520	1740	1670	1630	688	0	1520	1540
20	793	1000	1650	1210	1630	1730	1700	1640	537	0	1520	1540
21	794	990	1640	1200	1690	1720	1700	1650	421	0	1520	1530
22	794	988	1640	1260	1720	1730	1710	1650	332	0	1520	1530
23	790	988	1650	1310	1730	1720	1700	1660	268	66	1520	1520
24	790	961	1650	1360	1710	1720	1710	1640	147	245	1520	1530
25	794	929	1690	1400	1700	1730	1710	1650	55	295	1520	1530
26	796	933	1730	1450	1690	1740	1720	1660	0	333	1530	1530
27	789	1100	1710	1500	1670	1750	1720	1660	0	455	1520	1520
28	787	1170	1710	1490	1670	1750	1710	1670	0	537	1530	1520
29	792	---	1710	1510	1670	1760	1720	1660	0	623	1530	1520
30	792	---	1710	1600	1470	1770	1710	1670	0	762	1540	1520
31	792	---	1710	---	1380	---	1700	1680	---	888	---	1520
Total	23641	24894	50610	43510	44001	44070	52860	51070	30381	4204	43706	47500
Mean	763	889	1633	1450	1413	1463	1705	1647	1013	136	1457	1532
Max.	796	1170	1730	1740	1730	1770	1780	1680	1700	888	1540	1540
Min.	694	785	1320	993	995	1060	1660	1570	0	0	946	1520
A.P.	46890	49380	100380	86300	87270	87410	104850	101300	60260	8340	86690	94210
Total 12 Months	-- 913280 A.P.											

NORTH PLATTE RIVER BASIN

KEITH-LINCOLN COUNTY CANAL from North Platte River - 1986
 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 - 1986

Date	Apr.	May	June	July	Aug.	Sept.
1	0	42	32	98	96	75
2	0	41	31	104	95	67
3	0	41	31	94	92	67
4	0	40	43	93	90	65
5	0	39	53	96	87	61
6	0	39	45	98	85	61
7	0	41	2.9	100	86	62
8	0	52	32	98	85	48
9	0	39	52	99	86	64
10	0	62	53	96	87	69
11	0	54	52	88	90	53
12	0	39	50	79	90	51
13	0	36	49	80	90	49
14	0	34	49	99	90	48
15	0	33	49	99	90	46
16	0	32	48	102	86	45
17	0	32	51	103	84	43
18	0	33	55	107	84	43
19	0	33	56	107	79	40
20	0	33	56	108	75	39
21	0	34	56	108	73	38
22	0	34	56	103	74	37
23	0	35	66	103	77	37
24	0	36	79	103	79	17
25	0	35	73	104	86	0
26	0	36	73	99	89	0
27	0	36	84	99	89	0
28	0	34	86	108	88	0
29	0	33	92	110	89	0
30	28	33	92	110	85	0
31	---	32	---	104	83	---
Total	28	1173	1646.9	3099	2659	1225
Mean	1	38	55	100	86	41
Max.	28	62	92	110	96	75
Min.	0	32	2.9	79	73	0
A.F.	60	2330	3270	6150	5270	2430
Total 6 Months	----	19510	----	A.F.	----	----

Appropriations: D-722

SHERIDAN-WILSON CANAL from Sarben Slough - 1986
 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 - 1986

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

Appropriations: D-710R

NORTH PLATTE CANAL from North Platte River - 1986
 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 - 1986

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	63	122	338	318	162	7.8
2	0	47	122	325	313	133	7.8
3	0	64	91	335	295	131	8
4	0	87	75	342	283	129	8
5	0	85	89	345	275	138	8
6	0	89	70	349	247	117	5.2
7	0	96	64	345	252	96	0
8	0	107	66	342	244	89	0
9	0	109	100	333	233	80	0
10	0	107	106	243	210	82	0
11	0	112	107	228	203	80	0
12	0	106	104	204	206	82	0
13	0	99	104	210	214	82	0
14	0	94	112	260	235	69	0
15	1	107	122	241	258	74	0
16	24	115	125	246	260	80	0
17	71	112	143	278	267	79	0
18	50	115	149	304	292	75	0
19	56	122	152	305	314	78	0
20	60	128	145	316	313	78	0
21	63	128	160	321	290	77	0
22	64	129	194	316	247	78	0
23	64	131	206	305	216	82	0
24	64	131	239	288	204	80	0
25	65	130	285	270	214	60	0
26	65	133	305	243	235	6.7	0
27	65	133	300	219	232	6.7	0
28	64	90	326	216	222	7.1	0
29	71	16	332	236	203	7.1	0
30	72	41	333	262	195	7.5	0
31	---	118	---	300	192	---	0
Total	919	3144	4848	8865	7682	2346.1	44.8
Mean	31	101	162	286	248	78	1
Max.	72	133	333	349	318	162	8
Min.	0	16	64	204	192	6.7	0
A.F.	1820	6240	9620	17580	15240	4650	90
Total 7 Months	----	55240	----	A.F.	----	----	----

Appropriations: D-635

PAXTON-HERSHEY CANAL from North Platte River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	21	117	102	79	17
2	0	9.8	116	102	74	18
3	0	20	119	103	68	19
4	0	33	115	105	64	17
5	0	17	115	104	64	9.4
6	0	30	117	101	64	3.9
7	0	32	117	102	55	0
8	0	25	117	105	51	0
9	0	28	117	96	50	0
10	0	61	106	89	47	0
11	0	48	96	89	46	0
12	0	32	91	88	47	0
13	0	37	97	94	39	0
14	0	62	102	96	24	0
15	0	63	113	96	25	0
16	0	54	117	95	28	0
17	0	44	113	84	27	0
18	0	46	112	88	25	0
19	0	46	114	92	26	0
20	9.3	48	114	95	26	0
21	22	51	115	96	27	0
22	34	58	117	96	32	0
23	48	78	117	93	43	0
24	39	79	107	90	41	0
25	35	101	96	89	36	0
26	46	107	96	87	32	0
27	56	97	95	86	29	0
28	36	117	96	85	28	0
29	29	119	97	86	29	0
30	26	119	103	89	24	0
31	14	---	102	92	---	0
Total	394.3	1682.8	3366	2915	1250	84.3
Mean	13	56	109	94	42	3
Max.	56	119	119	105	79	19
Min.	0	9.8	91	84	24	0
A.F.	780	3340	6680	5780	2480	170
Total 6 Months	----	19230	----	A.F.	----	----

Appropriations: D-653

NORTH PLATTE RIVER BASIN

BIRDWOOD CANAL from Birdwood Creek - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.	Nov.
1	0	0	40	32	21	8.2	8.6
2	0	0	37	26	29	7.6	8.6
3	0	0	35	28	23	8.6	8.9
4	0	0	36	25	22	9.8	2.5
5	0	0	34	23	25	9.2	0
6	0	0	19	21	20	9.2	0
7	0	3.6	22	19	9.8	10	0
8	0	13	23	20	7	10	0
9	0	10	22	4.1	7.6	11	0
10	0	15	17	2.4	6.5	12	0
11	0	9.8	20	2.4	4.6	15	0
12	0	7.3	32	14	5.1	13	0
13	0	7.3	30	22	5.7	12	0
14	0	8.9	32	24	6.5	9.5	0
15	0	9.8	30	26	7.6	8.6	0
16	0	11	28	26	7.6	9.2	0
17	0	12	28	28	7.6	9.8	0
18	0	12	28	28	7.6	10	0
19	0	13	28	30	8.2	10	0
20	0	16	28	30	8.2	11	0
21	0	18	27	31	9.2	12	0
22	0	22	28	32	11	21	0
23	0	22	27	26	10	9.5	0
24	0	23	28	19	9.5	5.4	0
25	0	25	2.8	22	10	5.7	0
26	0	26	17	26	8.9	5.7	0
27	0	28	3.8	26	5.7	5.9	0
28	0	37	25	25	6.7	6.2	0
29	0	33	22	24	7	6.2	0
30	0	37	26	24	7	7.3	0
31	0	---	28	24	---	8.6	---
Total	0	419.7	803.6	709.9	324.6	297.2	28.6
Mean	0	14	26	23	11	10	1
Max.	0	37	40	32	29	21	8.9
Min.	0	0	2.8	2.4	4.6	5.4	0
A.F.	0	830	1590	1410	640	590	60
Total 7 Months	---	---	5120	A.F.	---	---	---

Appropriations: D-646

SUBURBAN CANAL from North Platte River - 1986
 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 - 1986

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	17	56	102	88	67	7.9
2	0	54	54	100	87	41	7.6
3	0	50	58	101	88	36	7.6
4	0	48	59	94	84	34	6.4
5	0	48	58	97	84	35	5.4
6	0	48	58	97	86	55	5.1
7	0	39	59	98	90	66	4.8
8	0	23	60	96	91	66	4.4
9	0	6.4	58	98	91	66	4.4
10	0	24	59	105	88	66	4.4
11	0	48	54	97	80	58	4.4
12	0	66	45	96	73	48	4.4
13	0	76	45	96	73	49	4.4
14	0	68	59	86	74	48	4.4
15	0	76	66	72	73	38	4.2
16	0	68	65	74	73	42	3
17	0	59	58	72	70	42	0
18	0	58	63	80	69	40	0
19	0	59	66	96	71	40	0
20	0	59	69	95	79	40	0
21	0	59	72	99	86	38	0
22	0	59	71	101	89	38	0
23	0	60	66	102	89	25	0
24	0	60	67	102	88	9.1	0
25	0	60	80	101	88	8.7	0
26	0	61	99	90	89	8.7	0
27	0	61	81	84	89	8.3	0
28	3	63	101	84	87	7.9	0
29	7	64	97	83	79	7.9	0
30	7	63	102	79	72	7.9	0
31	---	58	---	81	73	---	0
Total	17	1662.4	2005	2858	2541	1136.5	82.8
Mean	1	54	67	92	82	38	3
Max.	7	76	102	105	91	67	7.9
Min.	0	6.4	45	72	69	7.9	0
A.F.	30	3300	3980	5670	5040	2250	160
Total 7 Months	---	---	20430	A.F.	---	---	---

Appropriations: D-662

CODY-DILLON CANAL from North Platte River - 1986
 Gage Location: SE1/4NE1/4 Sec. 9-14-31 W.
 near North Platte
 Measuring Device: Stage recorder and concrete control
 of canal
 Period of Record: 1919, 1921 - 1986

Date	May	June	July	Aug.	Sept.
1	0	1.7	40	28	26
2	0	1.9	28	30	19
3	0	0.7	12	29	26
4	0	0	10	30	28
5	0	0	21	34	30
6	0	0	39	35	26
7	0	0	34	31	14
8	0	0	31	27	2
9	0	0	32	24	0
10	0	1.9	39	24	0
11	0	1.9	34	24	0
12	0	1.4	43	22	0
13	0	0.7	49	21	0
14	0	0.2	32	20	0
15	0	0.7	27	18	0
16	0	4.5	23	18	0
17	0	11	22	23	0
18	0	16	22	25	0
19	0	16	23	25	0
20	0	19	26	24	0
21	0	27	29	25	0
22	0	43	29	26	0
23	0	47	29	27	0
24	0	50	32	28	0
25	0	47	34	28	0
26	1.2	34	32	29	0
27	1	30	30	29	0
28	1	32	28	27	0
29	0	44	25	26	0
30	0	38	23	25	0
31	1.4	---	23	26	---
Total	4.6	469.6	901	808	171
Mean	0	16	29	26	6
Max.	1.4	50	49	35	30
Min.	0	0	10	18	0
A.F.	10	930	1790	1600	340
Total 5 Months	---	---	4670	A.F.	---

Appropriations: D-649

OLIVER RESERVOIR on Lodgepole Creek - 1986
 Gage Location: SE1/4SE1/4 Sec. 36-15-57 W.
 near Kimball
 Measuring Device: Stage observation
 Period of Record: 1977 - 1986

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	4810.0	4590
Top of conservation pool	4804.0	2680
Top of dead storage pool	4784.0	50

Date	Contents (acre-feet)
December 6, 1985	2086
February 14, 1986	2717
February 26, 1986	2734
March 11, 1986	2723
March 31, 1986	2720
April 11, 1986	2757
April 29, 1986	2723
May 9, 1986	2695
May 27, 1986	2609
June 13, 1986	2712
June 24, 1986	2678
July 10, 1986	2580
July 23, 1986	2352
August 4, 1986	2415
August 25, 1986	2239
September 8, 1986	2193
September 26, 1986	2186
October 15, 1986	2235
November 13, 1986	2359
December 18, 1986	2549

Appropriations: A-15524

LOGGPOLE CREEK BELOW OLIVER RESERVOIR near Kimball - 1986
 Gage Location: NW1/4SE1/4 Sec. 36-15-57 W.
 Measuring Device: Stage recorder
 Period of Record: 1981 - 1986

EXTREMES FOR CURRENT YEAR--Maximum Discharge Calendar Year 1986, 14.6 cubic feet per second at 1315 on April 13, 1986 at gage height of 1.31 feet.
 Minimum daily discharge, 0.12 cubic feet per second on August 15, 1986.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.54	0.54	8.2	5.5	6.4	2.7	0.6	0.54	0.42	0.3	0.48	0.42
2	0.54	0.54	7.8	6	6.1	2.1	0.6	0.6	0.42	0.3	0.48	0.42
3	0.54	0.54	8.1	9.6	6.2	1.8	0.76	0.54	0.42	0.3	0.42	0.42
4	0.42	0.54	7.5	8.4	6.4	1.6	0.73	0.48	0.36	0.3	0.42	0.36
5	0.42	0.54	7.5	8.1	7.8	1.5	0.7	0.42	0.36	0.3	0.48	0.42
6	0.42	0.54	6.7	9.6	3.3	1.6	0.67	0.42	0.36	0.3	0.48	0.36
7	0.42	0.48	6.2	11	3.2	1.1	0.63	0.42	0.36	0.3	0.48	0.42
8	0.42	0.48	6.3	12	3.9	1	0.6	0.42	0.3	0.3	0.42	0.36
9	0.42	0.48	7.1	13	4.2	1.1	0.57	0.42	0.3	0.3	0.42	0.42
10	0.42	0.48	6.3	13	4.2	5.9	0.54	0.42	0.24	0.3	0.42	0.48
11	0.42	0.48	6.2	12	4.4	6	0.54	0.42	0.24	0.36	0.48	0.48
12	0.42	0.42	6.6	11	4.4	6	0.48	0.42	0.24	0.3	0.42	0.36
13	0.42	0.66	6.4	12	5	5.6	0.42	0.42	0.24	0.3	0.42	0.36
14	0.42	3.2	6.7	9.5	4.6	5.6	0.42	0.48	0.3	0.36	0.48	0.42
15	0.42	5.7	6.7	6.8	4.4	5.6	0.42	0.12	0.3	0.3	0.4	0.42
16	0.42	6.3	6.7	6.8	5.6	5.4	0.48	0.42	0.3	0.3	0.4	0.48
17	0.42	7.9	8.4	8.2	6	5	0.48	0.48	0.3	0.3	0.4	0.36
18	0.42	9.5	9.2	10	5.8	4	0.54	0.48	0.3	0.3	0.4	0.42
19	0.48	11	8.1	8.2	5.6	3	0.48	0.48	0.36	0.36	0.4	0.42
20	0.48	12	8.2	7.9	5.6	2.4	0.48	0.48	0.36	0.42	0.4	0.42
21	0.48	11	7.8	7.6	5.8	2	0.42	0.48	0.3	0.42	0.4	0.48
22	0.48	9.8	7.6	7.6	5.6	1.6	0.48	0.48	0.3	0.48	0.4	0.54
23	0.48	9.8	7.5	7.6	3.8	1.6	0.48	0.48	0.3	0.48	0.4	0.54
24	0.48	10	7.5	7.6	3	1.2	0.48	0.48	0.3	0.48	0.4	0.54
25	0.48	11	7.5	7.8	2.7	1	0.48	0.48	0.3	0.48	0.3	0.54
26	0.48	11	7.2	7.6	2.4	0.92	0.48	0.42	0.3	0.48	0.3	0.54
27	0.48	9.6	7.1	7.6	2.2	0.76	0.54	0.42	0.3	0.42	0.3	0.54
28	0.48	8.7	6.8	6.9	2.5	0.68	0.54	0.36	0.3	0.48	0.3	0.54
29	0.48	---	6.8	7.1	2.9	0.68	0.48	0.36	0.3	0.48	0.36	0.54
30	0.54	---	6.3	6.9	2.8	0.76	0.48	0.36	0.3	0.48	0.36	0.54
31	0.54	---	6.3	---	2.6	---	0.54	0.42	---	0.48	---	0.54
Total	14.28	143.22	223.3	262.9	139.4	80.2	16.54	13.62	9.48	11.46	12.22	14.1
Mean	0	5	7	9	4	3	1	0	0	0	0	0
Max.	0.54	12	9.2	13	7.8	6	0.76	0.6	0.42	0.48	0.48	0.54
Min.	0.42	0.42	6.2	5.5	2.2	0.68	0.42	0.12	0.24	0.3	0.3	0.36
A.P.	30	280	440	520	280	160	30	30	20	20	20	30

Total 12 Months --- 1860 A.P.

PLATTE RIVER BASIN

CONFLUENCE OF THE NORTH AND SOUTH PLATTE RIVERS near North Platte - 1986

Period of Record: 1949 - 1986

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	1350	930	964	992	3590	682	3499	2674	3211	3950	2388	1225
2	1350	970	887	1036	3690	628	3257	2752	2302	4210	2335	1219
3	1310	983	879	1709	3710	599	2424	2801	1949	4360	2251	1246
4	1300	983	886	2251	3560	579	2112	2856	1845	4351	1873	1235
5	1280	1647	895	1899	3411	565	1882	3030	1818	4203	1634	980
6	1250	1560	920	1772	3079	554	1873	3072	2259	4055	1641	848
7	1270	1577	906	1677	2834	629	1926	2891	2938	4064	1543	754
8	1310	1405	876	1763	2303	610	1850	2939	3294	4048	1466	751
9	1360	991	845	1925	1905	583	1897	3296	3443	3966	1440	759
10	1410	921	807	2271	1147	863	2338	3180	3462	3921	1420	704
11	1320	777	760	2810	806	1858	2609	3120	3391	3970	1420	714
12	1340	737	752	3148	686	3534	2964	3021	3357	4011	1475	673
13	1390	798	780	3144	635	4642	3236	3013	3452	3825	1481	642
14	1450	784	843	2887	595	5436	3305	2999	3598	3772	1494	653
15	1450	959	841	2905	643	6545	3172	2969	3298	3694	1472	700
16	1530	1116	994	3032	770	7403	2800	2915	3605	3683	1555	762
17	1530	1287	1053	3160	798	6661	2505	2924	3762	3666	1755	848
18	1530	1930	1079	3048	710	5818	2313	2908	3411	3533	1789	931
19	1600	2190	999	2870	699	5508	2310	2847	3343	3385	1471	1016
20	1820	2170	949	2980	687	5538	2368	2782	3340	3359	1315	1003
21	1510	2137	945	3130	690	5400	2502	2803	3281	3344	1240	1013
22	1366	2001	942	3360	695	5560	2576	2898	3327	3489	1352	1099
23	1434	1907	930	3230	763	5380	2561	2947	3487	3450	1406	1081
24	1329	1870	923	3240	807	5500	2597	3004	3555	3344	1442	1072
25	1325	1845	934	3410	773	5550	2776	3012	3606	3233	1439	1085
26	1414	1619	930	3520	788	5410	2969	2984	3695	3192	1383	1101
27	1384	1333	928	3620	805	4760	3063	2982	3748	3178	1376	1078
28	987	1067	923	3620	796	3870	3015	2952	3730	2716	1391	1071
29	979	---	916	3590	813	3880	2902	2970	3710	2401	1341	1070
30	925	---	939	3740	796	3650	2742	2949	3736	2396	1295	1148
31	921	---	1015	---	734	---	2662	3020	---	2426	---	1117
Total	41724	38494	28340	81739	44718	108195	81005	91510	96953	111195	46883	29598
Mean	1346	1375	914	2725	1443	3607	2613	2952	3232	3587	1563	955
Max.	1820	2190	1079	3740	3710	7403	3499	3296	3762	4360	2388	1246
Min.	921	737	752	992	595	554	1850	2674	1818	2396	1240	642
A.F.	82760	76350	56210	162130	88700	211600	160670	181510	192300	220550	92990	58710
Total 12 Months	---	---	1587480	A.F.	---	---	---	---	---	---	---	---

WHITE HORSE CREEK near North Platte - 1986
 Gage Location: SW1/4 Sec. 5-13-29 W.
 Measuring Device: Stage observation
 Period of Record: 1922 - 1942, 1960 - 1961, 1963 - 1986

Date	May	June	July	Aug.	Sept.
1	21	22	7.7	5.3	5.9
2	19	20	7.2	5.3	8.2
3	18	16	7.2	5.3	9.2
4	16	16	6.4	4.7	7.2
5	15	18	5.1	5.5	7.2
6	16	18	5.1	5.5	8
7	15	18	5.1	5.5	8.7
8	12	18	5.1	5.1	7.7
9	14	18	5.1	6	8.7
10	14	20	9.7	6.6	8.2
11	14	24	9.7	6.6	8.7
12	12	28	9.2	6.2	8.2
13	12	23	12	6.2	8.2
14	12	22	9.7	6.2	8.2
15	14	20	8.7	6.2	7.7
16	20	16	8	6	8.2
17	21	15	6.6	5.7	11
18	22	11	7	5.7	10
19	18	9.7	9.4	6.6	11
20	18	9.7	7.4	4.9	10
21	16	13	8.4	4.5	10
22	15	15	7	4.9	11
23	17	15	6.6	4.8	11
24	17	8.2	6.4	4.5	11
25	17	8.7	6.4	4	9.4
26	15	8.7	6.8	4.5	9
27	14	7.7	7.2	4.5	8.8
28	19	7.5	6.8	4.5	8.4
29	22	7.2	6.2	5.3	8
30	25	6.8	5.3	5	7.7
31	24	---	4.5	4.5	---
Total	528	460.2	223	166.1	264.5
Mean	17	15.3	7.2	5.4	8.8
Max.	25	28	12	6.6	11
Min.	12	6.8	4.5	4	5.9
A.F.	1047	913	442	329	525
Total 5 Months	---	---	3260	A.F.	---

PLATTE RIVER BASIN

TRI-COUNTY CANAL from Platte River for Power and Irrigation - 1986
 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 - 1986

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1870	2166	2141	2038	2173	1760	2204	2196	2195	2184	2151	2159
2	1899	2151	2155	2024	2167	1652	2202	2202	2185	2198	2157	2134
3	1949	2147	2158	2140	2166	1610	2201	2180	2211	2198	2135	2112
4	1876	2141	2174	2179	2164	1594	2202	2185	2202	2198	2119	2144
5	1869	2142	2184	2159	2148	1579	2199	2207	2210	2183	2162	2156
6	1884	2160	2175	2162	2171	1549	2212	2208	2189	2196	2170	2163
7	1763	2143	2171	2162	2144	1632	2238	2189	2208	2216	2193	2134
8	1817	2140	2152	2154	2148	1638	2210	2207	2194	2219	2177	2142
9	1855	1938	2144	2170	2160	1616	2209	2196	2182	2201	2184	2098
10	1824	1539	2145	2159	2167	1961	2237	2204	2188	2214	2176	1633
11	1772	1298	2151	2168	2162	2195	2210	2207	2180	2213	2143	1045
12	1699	1430	2164	2151	2111	2198	2210	2199	2180	2201	2164	1346
13	1723	1604	2162	2145	2029	2193	2209	2198	2203	2199	1976	1706
14	1817	1430	2158	2174	1975	2201	2204	2203	2192	2196	1650	1806
15	1867	1498	2180	2162	2045	2198	2206	2207	2206	2206	2090	2001
16	1997	1792	2176	2160	2131	2195	2205	2205	2212	2200	2132	2100
17	2152	1852	2167	2146	2150	2182	2195	2200	2176	2206	2173	2149
18	2154	2090	2178	2162	2088	2196	2198	2192	2177	2198	2164	2137
19	2173	2149	2164	2157	2063	2215	2200	2199	2192	2204	2144	2152
20	2172	2142	2179	2181	2152	2215	2220	2204	2177	2205	2142	2155
21	2164	2119	2175	2170	2162	2227	2203	2196	2190	2136	2168	2140
22	2167	2141	2173	2173	2164	2205	2209	2204	2202	2210	2164	2121
23	2156	2147	2162	2164	2142	2207	2214	2214	2206	2205	2157	2134
24	2174	2162	2175	2169	2159	2204	2217	2221	2154	2191	2156	2125
25	2182	2146	2180	2166	2155	2189	2220	2204	2168	2202	2162	2098
26	2164	2154	2192	2176	2163	2204	2215	2199	2221	2194	2160	2139
27	2113	2156	2168	2167	2152	2200	2217	2199	2193	2203	2131	2137
28	2147	2148	2168	2170	2146	2208	2219	2190	2187	2187	2145	2156
29	2160	----	2162	2159	2161	2208	2210	2203	2191	2195	2163	2151
30	2162	----	2162	2179	2133	2190	2193	2186	2210	2182	2176	2112
31	2165	----	2115	----	1904	----	2204	2184	----	2199	----	2141
Total	61886	55125	67110	64646	65955	60621	68492	68188	65781	68139	63984	62926
Mean	1996	1969	2165	2155	2128	2021	2209	2200	2193	2198	2133	2030
Max.	2182	2166	2192	2181	2173	2227	2238	2221	2221	2219	2193	2163
Min.	1699	1298	2115	2024	1904	1549	2193	2180	2154	2136	1650	1045
A.F.	122750	109340	133110	128220	130820	120240	135850	135250	130470	135150	126910	124810
Total 12 Months	-- 1532920 A.F.											

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

PLATTE RIVER Passing Tri-County Diversion Dam - 1986
 Gage Location: SW1/4SW1/4 Sec. 10-13-29 W. near North Platte
 Measuring Device: Stage recorder
 Period of Record: 1958 - 1966, 1969 - 1986

Date	May	June	July	Aug.	Sept.
1	3205	49	2930	2078	2441
2	3279	58	2680	2185	1550
3	3323	40	1822	2255	1177
4	3162	40	1527	2299	1075
5	3033	50	1304	2462	1040
6	2684	50	1286	2493	1509
7	2459	75	1303	2336	2169
8	1920	100	1260	2486	2584
9	1327	125	1324	2740	2830
10	524	131	1830	2621	2978
11	118	1039	2142	2557	2960
12	110	2739	2502	2464	2905
13	100	3841	2663	2412	3002
14	75	4623	2735	2500	3041
15	50	5732	2598	2426	2841
16	40	6582	2226	2359	3058
17	40	5852	1934	2367	3039
18	40	4984	1744	2279	2526
19	40	4659	1742	2162	2339
20	40	4685	1778	2083	1900
21	40	4703	1936	2117	1567
22	105	4927	1997	2204	1577
23	168	4720	1979	2243	1727
24	225	4786	2012	2293	1817
25	189	4887	2185	2287	1859
26	240	4774	2387	2230	1820
27	227	4122	2484	2228	1880
28	250	3263	2428	2210	1867
29	228	3302	2329	2216	2578
30	40	3095	2180	2207	2665
31	40	----	2093	2279	----
Total	27321	88033	63348	72078	66341
Mean	881	2934	2043	2325	2211
Max.	3323	6582	2930	2740	3058
Min.	40	40	1260	2078	1040
A.F.	54190	174610	125650	142960	131590
Total 5 Months	---- 629000 A.F.				

PLATTE RIVER BASIN

JEFFREY RESERVOIR from Platte River - 1986
 Gage Location: NE1/4NE1/4 Sec. 4-11-27 W.
 near Brady
 Measuring Device: Stage recorder
 Period of Record: 1977 - 1986

Date	STORAGE LEVEL												ELEVATION (Feet)												CONTENT (Acre-feet)											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	2758.0	2734.2	11,500	6,350																				
1	4212	5567	4812	5072	5512	4912	5567	5567	5512	4412	4462	5402	2758.0	2734.2	11,500	6,350																				
2	4462	5622	4862	4962	5402	5127	5567	5677	5512	3962	4212	5402	2758.0	2734.2	11,500	6,350																				
3	4712	5622	4862	5292	5457	5292	5402	5677	5512	3439	4612	5347	2758.0	2734.2	11,500	6,350																				
4	4812	5347	4912	5347	5567	5347	5347	5677	5512	3629	5237	5292	2758.0	2734.2	11,500	6,350																				
5	4712	5127	5017	5292	5457	5402	5457	5677	5512	3724	5127	5237	2758.0	2734.2	11,500	6,350																				
6	4562	5347	5072	5292	5347	5457	5512	5622	5567	3914	5127	5182	2758.0	2734.2	11,500	6,350																				
7	4362	5292	5017	5347	5347	5567	5622	5567	5567	3012	5292	5182	2758.0	2734.2	11,500	6,350																				
8	4362	5292	5072	5237	5292	5622	5622	5622	5512	3439	5072	5127	2758.0	2734.2	11,500	6,350																				
9	4562	4562	5127	5292	5347	5677	5677	5622	5512	2877	5072	5127	2758.0	2734.2	11,500	6,350																				
10	4762	4062	5127	5182	5402	5677	5677	5512	5457	2922	5017	4962	2758.0	2734.2	11,500	6,350																				
11	4962	4112	5182	5127	5457	5622	5567	5402	5457	2787	4962	4362	2758.0	2734.2	11,500	6,350																				
12	5017	4512	5292	5182	5402	5512	5567	5402	5347	2787	5017	4462	2758.0	2734.2	11,500	6,350																				
13	5072	4662	5292	5237	5457	5457	5512	5457	5237	2877	4712	4512	2758.0	2734.2	11,500	6,350																				
14	5292	4312	5182	5347	5237	5512	5402	5622	5182	2922	4512	4662	2758.0	2734.2	11,500	6,350																				
15	5622	4012	5237	5347	5402	5512	5457	5567	5127	3392	4812	4762	2758.0	2734.2	11,500	6,350																				
16	5677	4212	5127	5237	5567	5512	5457	5512	5127	3677	5017	4912	2758.0	2734.2	11,500	6,350																				
17	5732	4812	5017	5072	5402	5567	5457	5567	5072	3819	5127	5017	2758.0	2734.2	11,500	6,350																				
18	5732	5182	4912	5017	5237	5567	5347	5567	5127	3772	5182	4862	2758.0	2734.2	11,500	6,350																				
19	5732	5182	4862	4962	4912	5677	5292	5567	5512	3772	5127	4812	2758.0	2734.2	11,500	6,350																				
20	5732	5182	4862	5017	4812	5622	5237	5512	5567	3819	5017	4862	2758.0	2734.2	11,500	6,350																				
21	5732	5072	4912	5017	4912	5567	5292	5457	5567	3582	5072	4862	2758.0	2734.2	11,500	6,350																				
22	5567	4862	5072	5017	5182	5512	5457	5457	5567	3534	5072	4962	2758.0	2734.2	11,500	6,350																				
23	5347	4662	5182	4962	5402	5512	5402	5402	5567	3439	5017	5072	2758.0	2734.2	11,500	6,350																				
24	5292	4562	5237	5017	5347	5457	5512	5402	5457	4012	4962	5072	2758.0	2734.2	11,500	6,350																				
25	5347	4662	5182	4862	5292	5402	5457	5402	5182	4362	5127	5017	2758.0	2734.2	11,500	6,350																				
26	5402	4662	5182	4562	5402	5347	5622	5512	5017	4812	5237	4962	2758.0	2734.2	11,500	6,350																				
27	5292	4662	5182	4362	5347	5457	5677	5677	4912	5072	5237	4962	2758.0	2734.2	11,500	6,350																				
28	5457	4712	5127	5017	5347	5402	5677	5567	4912	5017	5292	4862	2758.0	2734.2	11,500	6,350																				
29	5402	-----	5072	5677	5292	5292	5622	5567	4862	4812	5292	4812	2758.0	2734.2	11,500	6,350																				
30	5402	-----	5127	5622	5402	5237	5622	5567	4712	4662	5182	4912	2758.0	2734.2	11,500	6,350																				
31	5512	-----	5072	-----	5347	-----	5677	5512	-----	4612	-----	4962	2758.0	2734.2	11,500	6,350																				

Appropriations: A-2354
 Values furnished by CNPPID

TRI-COUNTY CANAL, JEFFREY POWER RETURN to Platte River - 1986
 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 - 1986

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	195	0	0	0	0	0	0	0	0	0	0
2	0	84	0	0	0	0	0	0	0	0	0	0
3	0	37	0	0	0	0	0	0	0	0	0	0
4	0	18	0	0	0	0	0	8	0	0	0	0
5	0	0	0	0	0	0	106	0	0	0	0	0
6	0	150	0	0	0	0	147	0	0	0	0	0
7	0	0	0	0	0	0	127	0	0	0	0	0
8	0	0	0	0	0	0	187	0	0	0	0	0
9	0	0	0	0	0	0	195	0	0	0	0	0
10	0	0	0	0	0	0	11	0	0	0	0	0
11	0	21	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	13	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	121	0	0	0	0	0	0	0	0	0	0	0
17	254	0	0	0	0	0	0	0	0	0	0	0
18	334	0	0	0	0	0	0	0	0	0	0	0
19	285	0	0	0	0	0	0	0	0	0	0	0
20	112	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	30	0	0	0	0	0	0	0	0
25	13	0	0	0	0	0	0	0	0	0	0	0
26	167	0	0	0	0	0	0	0	0	0	0	0
27	167	0	0	0	0	0	0	0	0	0	0	0
28	234	0	0	0	0	0	0	0	0	0	0	0
29	291	---	0	0	0	0	0	0	0	0	0	0
30	291	---	0	0	0	0	0	0	0	0	0	0
31	223	---	0	---	8	---	0	---	---	0	---	0
Total	2492	518	0	30	0	0	773	0	0	0	0	0
Mean	80	19	0	1	0	0	25	0	0	0	0	0
Max.	334	195	0	30	0	0	195	0	0	0	0	0
Min.	0	0	0	0	0	0	0	0	0	0	0	0
A.F.	4940	1030	0	60	0	0	1530	0	0	0	0	0

Total 12 Months - 7560 A.F.

PLATTE RIVER BASIN

ELWOOD RESERVOIR from Platte River - 1986
 Gage Location: NW1/4NW1/4 Sec. 32-8-22 W.
 near Elwood
 Measuring Device: Stage recorder
 Period of Record: 1978 -1986

STORAGE LEVEL	ELEVATION												CONTENT
Top of flood pool	(Feet)												(Acra-feet)
Top of conservation pool	2613.0												45,037
Minimum normal operating level	2607.0												37,800
Top of dead storage pool	2576.3												12,100
	2568.8												8,295
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1	28409	26459	24944	23232	30950	37574	32998	19719	12100	18598	27657	28033	
2	28315	26459	24856	23484	31250	37687	32685	19417	12043	18894	27939	27939	
3	28221	26369	24856	23737	31452	37800	32168	19041	11929	19266	28221	27845	
4	28221	26369	24768	23906	31759	37915	31657	18746	11818	19644	28409	27845	
5	28127	26279	24768	24078	31963	38145	31050	18525	11818	19947	28697	27751	
6	28033	26279	24682	24251	32270	38260	30549	18377	11818	20333	28889	27657	
7	28033	26189	24596	24423	32476	38376	30055	18233	11818	20256	29081	27657	
8	27939	26099	24509	24768	32789	38491	29565	18089	11818	20565	29369	27563	
9	27845	26099	24423	25120	33102	38606	29177	17944	11763	21194	29565	27563	
10	27845	26009	24423	25385	33311	38606	28697	17800	11763	21512	29565	27469	
11	27751	25919	24337	25649	33521	38491	28315	17586	11707	21834	29467	27377	
12	27751	25919	24251	26009	33734	38491	27845	17304	11707	22157	29369	27285	
13	27657	25829	24165	26279	33947	38376	27469	16952	11652	22486	29273	27285	
14	27563	25739	24078	26549	34160	38376	27009	16540	11652	22733	29273	27193	
15	27469	25739	23992	26825	34373	38376	26549	16131	11986	23063	29177	27193	
16	27469	25649	23906	27101	34588	38260	26099	15729	12439	23400	29081	27101	
17	27377	25649	23906	27377	34804	38260	25561	15334	12909	23737	28985	27009	
18	27377	25561	23822	27563	35022	38260	25120	14942	13266	23992	28889	26917	
19	27285	25473	23822	27845	35130	38145	24682	14560	13627	24251	28889	26917	
20	27193	25473	23737	28127	35347	38030	24165	14182	14120	24509	28793	26825	
21	27193	25385	23737	28315	35564	37915	23737	13811	14624	24856	28697	26825	
22	27101	25297	23653	28601	35785	37574	23316	13446	15203	25120	28601	26733	
23	27009	25297	23569	28889	35896	37348	22816	13205	15595	25385	28601	26641	
24	27009	25208	23569	29177	36118	36784	22403	12909	15997	25649	28504	26641	
25	26917	25208	23484	29369	36228	36228	21996	12616	16334	25919	28409	26549	
26	26825	25120	23400	29663	36450	35785	21512	12328	16746	26189	28315	26549	
27	26825	25120	23400	29957	36671	35238	21273	12271	17093	26459	28315	26459	
28	26733	25032	23316	30153	36897	34669	20958	12214	17515	26733	28221	26459	
29	26641	-----	23232	30449	37010	34053	20721	12214	17872	26917	28127	26369	
30	26549	-----	23232	30749	37236	33521	20410	12157	18233	27193	28127	26279	
31	26549	-----	23147	-----	37348	-----	20102	12100	-----	27377	-----	26279	

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 13,085 acre-feet to values listed in pre-1984 reports before comparing to values in this report.

JOHNSON RESERVOIR from Platte River - 1986
 Gage Location: SW1/4NE1/4 Sec. 4-8-22 W. near Lexington
 Measuring Device: Stage recorder
 Period of Record: 1977 - 1986

STORAGE LEVEL	ELEVATION												CONTENT
Normal operating level	(Feet)												(Acra-Feet)
Low water level	2621.0												54,000
	2601.5												17,880
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1	39820	42435	41230	41935	40290	42435	43685	42685	49335	41700	35255	41475	
2	39820	41935	41230	41700	40995	42435	43685	42435	44435	41700	35255	41700	
3	39585	41700	41465	41230	40525	41700	43685	42185	43935	41700	35255	41935	
4	39585	41465	41700	40995	40055	41700	43685	41935	43935	41465	35255	41935	
5	40290	41700	41700	40760	40290	41935	43685	42935	44185	41230	35035	41935	
6	40290	41700	41465	40525	40290	42935	43435	42935	44435	40995	35255	41935	
7	40290	41700	41230	40290	40055	43435	42935	42435	44435	40760	36355	41935	
8	40290	41700	40995	40055	40525	43685	42935	42685	43935	40525	36575	42685	
9	40290	41700	40995	39585	40525	43435	43185	43185	43935	40290	36795	43935	
10	40525	41465	40995	39585	40290	43685	43435	43435	44185	39820	36355	43685	
11	40760	40290	40995	39585	40055	43935	42935	43935	44185	40055	36355	42935	
12	40995	40055	40995	39585	39585	43935	42435	43685	44185	39820	36355	42435	
13	40995	39820	41230	39585	39350	44435	41935	43185	44185	39585	36355	40995	
14	40760	39350	41230	39820	38880	43935	41700	42685	44185	39350	36355	39820	
15	40525	39585	41230	39820	39585	43935	41935	42685	43935	38880	36575	39115	
16	40525	39820	41230	39585	40760	43185	42185	42935	43435	38645	37015	38880	
17	40995	40055	41465	39350	41700	42685	42185	43185	42935	37940	37705	38880	
18	40995	40055	41700	39585	42435	42435	42185	43185	42435	37470	38175	39115	
19	40760	40055	41935	39585	42185	42230	42435	42935	41700	37015	37940	39115	
20	40995	40055	41935	39820	42935	41700	42685	42685	40760	36795	38410	39350	
21	41465	40055	41935	40055	42685	42185	42935	43185	40055	36795	39350	39820	
22	41700	40055	41935	40290	42435	42685	42435	43185	39820	36795	39350	39820	
23	41935	40290	41935	40525	41935	43185	42435	42935	39820	36575	40525	40055	
24	42185	40525	41935	40055	41935	42935	42685	42685	40055	36575	40290	40290	
25	42935	40525	42185	40290	41935	42685	43185	42685	40290	35915	40525	40760	
26	42935	40760	41935	40290	42185	42685	43685	42685	40760	35255	40995	40995	
27	43185	40995	41935	40525	42435	42685	43435	42185	41230	34815	40995	41465	
28	43185	40995	41935	40525	42685	42935	43435	42185	41700	35035	40995	41700	
29	43185	-----	42185	40055	42685	42935	43685	42685	42185	35255	41230	41935	
30	42935	-----	42185	40525	42435	43435	43685	43185	41935	35475	41230	42185	
31	42685	-----	42185	-----	42435	-----	43185	43685	-----	35035	-----	41935	

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

THIRTY MILE CANAL from Platte River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	94	293	309	165
2	0	98	303	315	140
3	0	97	291	289	110
4	0	97	287	281	102
5	0	97	289	265	100
6	0	95	291	241	89
7	0	86	293	231	89
8	0	86	291	213	87
9	0	86	284	198	79
10	0	87	222	218	0
11	0	86	206	219	0
12	0	80	192	227	0
13	0	71	202	241	0
14	77	71	206	250	0
15	74	69	222	250	0
16	70	66	242	250	0
17	61	61	269	257	0
18	69	64	293	269	0
19	72	97	314	265	0
20	75	81	309	271	0
21	71	93	320	271	0
22	72	110	330	269	0
23	74	137	320	257	0
24	74	162	320	262	0
25	72	192	320	259	0
26	71	212	305	250	0
27	90	242	305	229	0
28	95	256	313	220	0
29	93	267	303	194	0
30	93	297	318	183	0
31	93	---	322	178	---
Total	1396	3637	8775	7631	961
Mean	45	121	283	246	32
Max.	95	297	330	315	165
Min.	0	61	192	178	0
A.F.	2770	7210	17400	15140	1910
Total 5 Months	----	44430	A.F.		

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

GOTHENBURG CANAL from Platte River - 1986
 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 - 1986

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	50	76	94	326	315	188	76
2	50	76	86	326	277	159	63
3	50	82	82	326	267	120	57
4	55	85	81	326	256	116	62
5	55	84	46	326	246	116	64
6	60	90	11	328	237	119	37
7	65	94	12	330	227	115	14
8	65	95	10	337	238	103	15
9	71	94	12	337	252	90	15
10	71	100	17	334	256	85	15
11	73	115	28	326	257	83	15
12	76	119	30	322	250	82	14
13	79	119	28	324	246	74	16
14	80	120	27	326	256	76	15
15	86	117	53	322	269	53	13
16	94	110	87	334	279	61	13
17	90	119	90	334	289	68	13
18	95	113	93	334	299	59	15
19	95	105	108	339	303	58	13
20	91	109	120	332	303	58	10
21	94	110	128	334	303	54	15
22	92	113	126	334	297	48	12
23	90	115	126	330	295	55	18
24	89	112	137	326	295	58	1.7
25	87	110	144	334	289	48	0
26	85	110	172	330	283	59	0
27	83	112	213	330	277	61	0
28	81	112	233	330	257	61	0
29	80	106	241	330	224	56	0
30	78	97	262	328	202	91	0
31	---	95	---	330	194	---	0
Total	2310	3214	2897	10235	8238	2474	601.7
Mean	77	104	97	330	266	82	19
Max.	95	120	262	339	315	188	76
Min.	50	76	10	322	194	48	0
A.F.	4580	6370	5750	20300	16340	4910	1190
Total 7 Months	---	59440	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 - 1986
 Gage Location: NW1/4NE1/4 Sec. 8-11-22 W.
 via Gothenburg Canal near Darr
 Measuring Device: Stage recorder
 Period of Record: 1983, 1985 - 1986

Date	Apr.	May	June	July	Aug.	Sept.	Oct.
1	0	22	17	11	5	36	34
2	0	21	24	0	4.8	38	34
3	0	19	24	0	4.7	41	34
4	0	18	23	1.2	4.7	40	34
5	0	18	22	0.8	4.3	36	33
6	0	18	18	0	3.2	33	32
7	0	18	8.3	0.6	0	31	20
8	0	22	1.9	0	0	27	2.5
9	6.2	25	0	1.2	0	38	0
10	11	22	0	3.4	0	34	0
11	12	20	0	3.8	0	31	0
12	14	24	0	3.9	0	29	0
13	14	21	0	4	0	30	0
14	12	22	0	4.2	0	29	0
15	11	19	0	3.9	0	28	0
16	12	16	0	3.5	0	28	0
17	12	24	2.9	3.2	0	26	0
18	7.8	23	21	1.3	0	28	0
19	11	23	26	0	0	31	0
20	22	24	26	0	0	21	0
21	22	25	26	0	0	17	0
22	22	24	22	1.9	0	14	0
23	22	24	25	0	0	15	0
24	22	25	25	0	0	15	0
25	21	24	24	2.8	3.7	14	0
26	20	25	22	3	14	14	0
27	20	24	24	3	18	21	0
28	21	24	26	2.2	27	23	0
29	22	23	23	0.3	28	26	0
30	22	20	21	1.1	29	31	0
31	---	15	---	2	34	---	0
Total	359	672	452.1	62.3	180.4	825	223.5
Mean	12	22	15	2	6	28	7
Max.	22	25	26	11	34	41	34
Min.	0	15	0	0	0	14	0
A.F.	710	1330	900	120	360	1640	440
Total 7 Months	----	5500	A.F.				

Appropriations: A-15883

SIX MILE CANAL from Platte River - 1986
 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 - 1986

Date	Apr.	May	June	July	Aug.	Sept.
1	0	6.9	0	7.1	26	19
2	0	5	0	37	29	20
3	0	6.4	0	39	33	10
4	0	6.4	0	33	35	6.9
5	0	5.1	0	32	36	5.5
6	0	2.4	0	28	37	5.8
7	0	1.5	0	33	38	7.4
8	0	0.7	0	31	35	18
9	0	0	0	32	44	19
10	0	0	0	20	30	7.8
11	0	0	0	21	28	7.6
12	0	0	0	32	28	6.4
13	0	0	0	41	25	6.3
14	0	0	0	51	22	6.7
15	0	0	0.6	43	21	7.8
16	0	0	7	38	16	6.9
17	0	0	22	35	14	6.9
18	0	0	7.5	40	15	4
19	0	0	14	45	22	0
20	0	0	21	45	21	0
21	0	0	3.3	34	25	0
22	0	0	2.2	35	29	0
23	1	0	9.2	35	31	0
24	3.2	0	4.7	33	30	0
25	3.3	0	3	30	28	0
26	3.9	0	2.3	35	28	0
27	6.1	0	15	37	29	0
28	7	0	24	32	30	0
29	7.6	0	7.6	32	22	0
30	6.3	0	4.5	30	18	0
31	---	0	---	25	18	---
Total	38.4	34.4	147.9	1041.1	843	172
Mean	1	1	5	34	27	6
Max.	7.6	6.9	24	51	44	20
Min.	0	0	0	7.1	14	0
A.F.	80	70	290	2060	1670	340
Total 6 Months	----	4510	A.F.			

Appropriations: D-680R

COZAD CANAL from Platte River - 1986
 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 - 1986

Date	Apr.	May	June	July	Aug.	Sept.
1	0	20	32	220	227	0
2	0	20	22	244	224	0
3	0	20	20	246	226	0
4	0	20	30	237	220	0
5	0	20	30	250	204	0
6	0	37	30	250	206	0
7	0	41	30	250	206	0
8	0	31	30	250	204	0
9	0	12	31	246	204	0
10	0	2.7	32	224	204	0
11	0	0	32	206	206	0
12	0	0	38	202	206	0
13	0	17	44	202	206	0
14	0	39	46	202	204	0
15	0	30	49	213	202	0
16	0	35	68	233	202	0
17	0	35	69	235	201	0
18	0	36	61	233	201	0
19	0	36	60	235	199	0
20	0	36	60	237	199	0
21	0	33	71	237	195	0
22	0	31	79	237	195	0
23	0	32	79	235	192	0
24	0	34	86	235	185	0
25	0	34	98	235	185	0
26	0	34	109	229	182	0
27	0	35	120	222	172	0
28	0	34	151	222	114	0
29	0	33	167	222	0	0
30	12	33	187	224	0	0
31	---	33	---	226	0	---
Total	12	853.7	1961	7139	5571	0
Mean	0	28	65	230	180	0
Max.	12	41	187	250	227	0
Min.	0	0	20	202	0	0
A.F.	20	1690	3890	14160	11050	0
Total 6 Months	---	---	30810	A.F.	---	---

Appropriations: D-626

DAWSON COUNTY CANAL from Platte River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	88	418	432	280
2	0	90	475	392	280
3	0	98	510	365	265
4	0	89	491	359	249
5	31	102	500	342	232
6	66	113	515	329	220
7	63	122	514	327	220
8	62	122	520	324	209
9	49	122	512	324	199
10	26	120	500	324	187
11	6	110	478	349	170
12	0	59	461	369	60
13	0	106	453	362	0
14	16	117	440	352	0
15	79	125	429	397	0
16	77	124	434	397	0
17	70	118	434	407	0
18	70	115	437	437	0
19	76	117	448	448	0
20	73	120	459	445	0
21	73	118	472	442	0
22	76	110	480	426	0
23	76	135	492	397	0
24	79	155	498	389	0
25	80	158	486	369	0
26	84	212	475	354	0
27	107	232	478	354	0
28	113	231	467	342	0
29	104	280	448	320	0
30	101	377	448	308	0
31	96	---	448	292	---
Total	1753	4185	14620	11534	2571
Mean	57	140	472	372	86
Max.	113	377	520	448	280
Min.	0	59	418	292	0
A.F.	3480	8300	29000	22880	5100
Total 5 Months	--	---	68760	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

ORCHARD-ALFALFA CANAL from Platte River - 1986
 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 - 1986

Date	Apr.	May	June	July	Aug.	Sept.
1	0	21	19	75	82	58
2	0	20	18	71	83	59
3	0	20	18	67	82	39
4	0	20	18	48	81	7.9
5	0	20	18	38	85	0
6	0	18	19	52	66	0
7	0	20	18	49	67	0
8	0	24	16	53	67	0
9	0	17	16	56	75	0
10	0	15	21	56	79	0
11	0	13	24	53	72	0
12	0	18	25	53	71	0
13	0	6.8	23	56	67	0
14	0	3.9	28	58	64	0
15	0	13	32	58	64	0
16	0	13	25	67	67	0
17	0	14	24	71	68	0
18	0	17	18	73	64	0
19	0	19	12	74	72	0
20	0	18	11	78	74	0
21	0	18	6	80	71	0
22	0	21	3.2	83	72	0
23	0	24	24	86	74	0
24	0	24	37	84	74	0
25	15	23	38	80	76	0
26	26	24	43	79	76	0
27	23	24	51	83	73	0
28	23	25	67	84	67	0
29	23	22	67	84	69	0
30	21	20	76	82	68	0
31	---	20	---	79	64	---
Total	131	575.7	815.2	2110	2234	163.9
Mean	4	19	27	68	72	5
Max.	26	25	76	86	85	59
Min.	0	3.9	3.2	38	64	0
A.F.	260	1140	1620	4190	4430	330
Total 6 Months	----	---	11970	A.F.	----	---

Appropriations: D-627

DAWSON COUNTY DRAIN NO. 2 near Darr - 1986
 Gage Location: SE1/4NE1/4 Sec. 25-10-23 W.
 Measuring Device: Stage observation
 Period of Record: 1932 - 1986

Date	May	June	July	Aug.	Sept.
1	4.4	8.7	11	18	8.8
2	4.7	8.5	12	17	9.9
3	4.7	8.3	15	16	10
4	4.6	8.5	14	16	9.7
5	4.4	8.7	18	17	9.5
6	4.1	8.8	16	17	9.5
7	4.1	10	16	16	9.2
8	4.1	9.2	18	16	8.8
9	7.0	8.5	18	17	8.5
10	10	9	52	16	8.5
11	9.5	8.8	24	15	8.5
12	9	8.8	21	15	8.2
13	8.3	9.4	22	16	8.2
14	8	9.4	21	16	7.7
15	8.2	10	20	16	7.1
16	17	11	20	15	7.5
17	8.7	10	22	15	34
18	7.8	10	24	13	9.2
19	7.8	9.9	24	15	8.2
20	7.3	10	24	14	16
21	7.1	9.7	22	17	12
22	6.8	9.5	22	18	7.7
23	7.3	9.5	21	17	7.7
24	7.3	9.5	19	17	7.1
25	7.1	8.8	19	10	6.5
26	7	8.3	19	17	6.8
27	7.3	8.3	18	16	6.5
28	8	8	17	16	6.1
29	9	8.3	16	15	5.8
30	12	8.7	16	12	6.1
31	9	---	16	11	---
Total	294.6	274.1	617	490	279.3
Mean	9.5	9.1	19.9	15.8	9.3
Max.	70	11	52	18	34
Min.	4.1	8	11	11	5.8
A.F.	584	544	1224	972	554
Total 5 Months	----	---	3880	A.F.	----

PLATTE RIVER BASIN

PLUM CREEK near Smithfield - 1986
 Gage Location: SE1/4SW1/4 Sec. 21-8-21 W.
 Measuring Device: Stage recorder
 Period of Record: 1980 - 1986

EXTREMES FOR CURRENT YEAR--Maximum discharge calendar year 1986, 280 cubic feet per second at 1300 on May 10, 1986 at a gage height of 9.92 feet.
 Minimum daily discharge, 4.0 cubic feet per second February 10 - 14, 1986.

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.4	8.5	13	7.4	7.6	61	7.2	8.3	4.9	5.5	6.8	7.6
2	6.4	8.5	8.5	7.4	7.4	22	8.3	8.1	5.8	5.8	6.8	7.6
3	6.4	8.5	8.3	7.6	6.6	15	28	12	6.3	6.1	6.6	7.6
4	6	8.5	8.7	12	6.6	12	15	11	5.8	7.6	7.4	6.4
5	5.3	8	8.8	11	6.6	28	12	76	5.4	8.1	7.6	7.6
6	4.6	7	8.8	9.3	6.6	22	9	16	24	7.4	7.4	7.2
7	4.2	6	8.8	8.1	6.5	14	9.8	7.8	12	6.4	7.2	6.7
8	4.2	5.3	8	8.1	37	15	8.3	6.2	14	6.7	7	8.1
9	5.9	4.6	8.5	7.8	213	10	7.4	5.6	8.3	7	7	6.7
10	8.5	4	8.8	7.6	270	12	16	6	6.2	14	6.2	5.7
11	13	4	9	7.6	103	24	24	6	5.8	15	5.3	7.6
12	15	4	8.8	7.6	20	52	13	6	5.2	20	6.8	8.1
13	16	4	8.8	8.1	14	28	12	6	4.5	16	6.7	7.6
14	17	4	10	7.8	11	11	10	6.1	4.3	8.8	4.3	7.2
15	14	5.5	9.3	7.6	9.6	9	9.6	5.9	4.7	8.3	7.2	7
16	9	7	8.8	7.2	13	8.3	9.6	5.2	5.1	7.6	9.3	7.2
17	11	9	8.8	7.4	24	8.3	11	5.1	5.3	7	8.8	7.2
18	13	11	9	9	17	22	11	6	6.7	7	8.5	6.7
19	11	12	10	8.3	13	14	10	6	6.8	6.8	8.5	4.9
20	9.4	12	8.8	20	11	8	8.5	6	6.8	6.7	7.8	5.5
21	8.5	7.6	8.1	12	9.6	7.4	12	6	6.3	6.7	9	7.2
22	8.5	6.1	7.8	8.3	9	7.6	11	6.1	6.6	6.6	8.1	7.4
23	8.5	8.3	8.1	7.4	8.8	7.4	10	6.1	6.6	7.8	8.1	7.2
24	8.5	9	8.1	7.2	9	7	10	6	6.3	9	7.8	7.8
25	8.5	9.3	7.8	7.2	8.5	7.4	9	5.8	6	7.8	7.4	8.1
26	8.5	10	8.1	7.2	8.3	7.2	9.6	6.4	5.8	7.4	7.4	6.4
27	8	9.6	7.8	7.6	8.5	8.8	14	6.3	5.8	7.4	7.6	8.8
28	7.5	12	7.2	7.6	14	11	12	6.6	5.5	7.2	7	8.1
29	8	---	7.4	10	26	8.3	11	6.4	5.3	7	7.4	9.3
30	8.5	---	7.8	8.1	19	8.3	8.3	5.4	5.4	7	7.6	6.7
31	8.5	---	7.8	---	42	---	6.8	4.3	---	6.7	---	10
Total	277.8	213.3	267.5	259.5	966.3	476	353.4	280.7	207.5	258.4	220.6	227.2
Mean	9	8	9	9	31	16	11	9	7	8	7	7
Max.	17	12	13	20	270	61	6.8	76	24	20	9.3	10
Min.	4.2	4	7.2	6.6	6.6	7	6.8	4.3	4.3	5.5	4.3	4.9
A.F.	550	420	530	510	1920	940	700	560	410	510	440	450
Total 12 Months	---	---	7940	A.F.	---	---	---	---	---	---	---	---

STREVER (SPRING) CREEK near Overton - 1986
 Gage Location: NE1/4NW1/4 Sec. 1-8-20 W.
 Measuring Device: Stage observation
 Period of Record: 1932 - 1934, 1936 - 1986

Date	May	June	July	Aug.	Sept.
1	12	56	26	70	59
2	13	47	26	86	59
3	12	43	26	102	59
4	11	41	26	103	58
5	11	41	26	89	65
6	9.8	43	32	91	79
7	11	54	39	82	71
8	9.8	48	43	81	63
9	106	42	32	71	66
10	280	47	44	74	50
11	95	51	107	77	48
12	78	48	125	59	51
13	30	45	97	74	38
14	31	37	84	62	27
15	75	39	84	68	20
16	42	40	76	65	16
17	206	41	76	63	16
18	80	40	67	59	46
19	51	36	58	48	24
20	41	37	59	72	24
21	39	35	71	52	24
22	38	35	51	64	28
23	35	35	52	66	24
24	34	34	51	68	16
25	30	36	52	70	17
26	30	35	52	62	17
27	35	37	73	61	15
28	36	38	73	61	13
29	88	35	64	74	11
30	91	32	50	74	12
31	68	---	48	67	---
Total	1728.6	1228	1790	2215	1116
Mean	56	41	58	71	37
Max.	280	56	125	103	79
Min.	9.8	32	26	48	11
A.F.	3430	2440	3550	4390	2210
Total 5 Months	---	---	16920	A.F.	---

BUFFALO CREEK near Elm Creek - 1986
 Gage Location: NE1/4NE1/4 Sec. 5-8-18 W.
 Measuring Device: Stage observation
 Period of Record: 1925, 1927 - 1928, 1933 - 1986

Date	May	June	July	Aug.	Sept.
1	0	47	27	60	104
2	0	30	26	74	101
3	0	29	26	88	102
4	0	28	26	105	99
5	0	28	26	106	98
6	12	27	25	104	102
7	11	26	25	98	93
8	11	25	25	101	84
9	20	24	24	98	78
10	61	24	24	95	83
11	91	23	47	93	84
12	95	22	71	92	82
13	39	53	48	88	89
14	25	24	99	66	68
15	19	22	101	53	50
16	25	20	99	48	50
17	54	41	95	43	26
18	124	48	74	43	10
19	126	43	64	43	7.6
20	82	44	51	44	11
21	73	41	44	53	8.8
22	71	40	50	50	6.9
23	66	40	41	53	17
24	62	44	38	60	14
25	50	41	41	67	12
26	44	44	32	72	8.6
27	38	48	29	78	10
28	40	32	26	80	9.6
29	47	29	62	79	8.6
30	77	27	63	92	8.6
31	69	---	56	98	---
Total	1432	1006	1526	2324	1535.7
Mean	46	34	49	75	51
Max.	126	53	101	106	104
Min.	0	20	24	43	6.9
A.F.	2840	2000	3030	4610	3050
Total 5 Months	---	---	15530	A.F.	---

PLATTE RIVER BASIN
(LOUP RIVER)

SARGENT CANAL from Middle Loup River - 1986
Gage Location: NM1/4NE1/4 Sec. 32-21-21W.
near Milburn
Measuring Device: Stage recorder and 10 ft. Parshall flume
Period of Record: 1957-1986

Date	May	June	July	Aug.	Sept.
1	0	0	263	156	44
2	0	0	265	93	44
3	0	0	263	58	44
4	0	0	263	58	45
5	0	0	263	58	46
6	0	0	262	57	46
7	0	0	262	67	45
8	0	0	262	98	46
9	0	0	263	111	34
10	0	0	236	114	0
11	0	0	222	115	0
12	0	0	116	115	0
13	0	0	76	114	0
14	0	0	71	115	0
15	0	0	66	128	0
16	0	0	88	148	0
17	0	58	132	166	0
18	0	89	190	203	0
19	0	94	213	212	0
20	0	94	233	224	0
21	0	94	256	225	0
22	0	95	260	218	0
23	0	95	260	185	0
24	0	89	267	176	0
25	0	94	249	154	0
26	0	120	220	104	0
27	0	141	212	86	0
28	0	196	214	54	0
29	0	234	220	47	0
30	0	262	226	47	0
31	0	---	220	46	---
Total	0	1755	6603	3752	394
Mean	0	59	213	121	13
Max.	0	262	265	225	46
Min.	0	0	66	46	0
A.F.	0	3480	13100	7440	780
Total 5 Months	--	24800	A.F.		

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

MIDDLE LOUP SPILLWAY NO. 1 - 1986
Gage Location: NE1/4SE1/4 Sec. 27-18-17W.
near Constock
Measuring Device: Stage recorder and 5.8 ft. weir
Period of Record: 1956-1978, 1985-1986

Date	May	June	July	Aug.	Sept.
1	0	8	0	10	8
2	0	8	0	12	6
3	0	7	0	12	7
4	0	7	0	13	7
5	0	6	0	15	5
6	0	6	0	15	5
7	0	6	0	15	5
8	0	6	0	12	4
9	0	5	0	15	4
10	0	3	0	15	4
11	0	0	6	15	3
12	0	4	10	14	1
13	0	3	4	10	0
14	0	3	10	12	0
15	0	3	12	8	0
16	0	2	8	10	0
17	0	4	3	8	0
18	0	3	0	0	0
19	0	3	0	0	0
20	0	4	0	0	0
21	0	4	0	2	0
22	10	4	0	4	0
23	10	3	0	8	0
24	10	8	0	10	0
25	10	4	0	12	0
26	0	0	10	14	0
27	8	4	10	17	0
28	8	2	5	12	0
29	8	0	5	15	0
30	8	0	0	12	0
31	8	---	0	10	---
Total	80	120	83	327	59
Mean	3	4	3	11	2
Max.	10	8	12	17	8
Min.	0	0	0	0	0
A.F.	160	240	160	650	120
Total 5 Months	--	1330	A.F.		

MIDDLE LOUP CANAL NO. 1 from Middle Loup River - 1986
Gage Location: SM1/4NW1/4 Sec. 14-19-18W.
near Sargent
Measuring Device: Stage recorder and concrete flume
Period of Record: 1938-1943, 1947-1986

Date	May	June	July	Aug.	Sept.
1	0	16	52	33	17
2	0	16	53	33	15
3	0	17	50	33	14
4	0	16	47	33	14
5	0	16	47	30	14
6	0	16	50	26	13
7	0	15	38	23	12
8	0	14	47	28	12
9	0	15	47	34	12
10	0	17	41	34	5
11	0	18	41	31	0
12	0	16	43	26	0
13	0	15	40	24	0
14	0	16	37	24	0
15	0	14	32	20	0
16	0	14	29	33	0
17	0	15	37	32	0
18	0	15	47	33	0
19	0	15	50	35	0
20	14	17	50	41	0
21	22	19	44	42	0
22	21	18	48	40	0
23	21	21	51	39	0
24	20	30	50	39	0
25	19	29	50	39	0
26	20	31	47	37	0
27	17	42	35	27	0
28	17	47	33	20	0
29	16	40	37	19	0
30	15	51	44	18	0
31	16	---	39	17	---
Total	219	650	1356	952	128
Mean	7	22	44	31	4
Max.	22	51	53	42	17
Min.	0	14	29	17	0
A.F.	430	1290	2690	1890	250
Total 5 Months	--	6550	A.F.		

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

MIDDLE LOUP CANAL NO. 2 from Middle Loup River - 1986
Gage Location: NE1/4NW1/4 Sec. 14-19-18W.
near Sargent
Measuring Device: Stage recorder and concrete flume
Period of Record: 1938-1943, 1947-1986

Date	May	June	July	Aug.	Sept.
1	0	20	62	34	14
2	0	19	58	18	14
3	0	18	55	18	13
4	0	18	54	18	12
5	0	18	52	18	11
6	0	18	52	18	12
7	0	16	63	17	11
8	0	16	54	17	10
9	0	16	59	16	9
10	0	15	62	15	4
11	0	15	52	14	0
12	0	14	28	14	0
13	0	14	16	14	0
14	0	14	24	21	0
15	0	14	25	31	0
16	0	13	34	41	0
17	0	13	36	48	0
18	0	14	41	54	0
19	0	15	50	51	0
20	15	28	47	50	0
21	24	30	52	50	0
22	24	29	55	46	0
23	26	28	58	40	0
24	26	31	56	38	0
25	26	32	43	32	0
26	26	27	39	28	0
27	25	37	39	14	0
28	23	54	37	14	0
29	22	60	37	14	0
30	22	60	44	13	0
31	21	---	56	14	---
Total	280	716	1440	830	110
Mean	9	24	46	27	4
Max.	26	60	63	54	14
Min.	0	13	16	13	0
A.F.	560	1420	2860	1650	220
Total 5 Months	--	6710	A.F.		

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

PLATTE RIVER BASIN
(LOUP RIVER)

MIDDLE LOUP SPILLWAY NO. 2 - 1986
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, 1985-1986

Date	May	June	July	Aug.	Sept.
1	0	10	5	7	10
2	0	10	8	7	11
3	0	10	7	8	12
4	0	9	8	11	8
5	0	8	7	12	9
6	0	9	8	14	10
7	0	6	9	14	11
8	0	6	7	12	12
9	0	6	5	10	6
10	0	6	5	12	5
11	0	6	6	12	5
12	0	7	6	11	4
13	0	5	5	10	0
14	0	6	5	5	0
15	0	6	7	7	0
16	0	6	8	4	0
17	0	5	12	4	0
18	0	6	7	4	0
19	0	4	3	5	0
20	0	6	2	3	0
21	0	5	2	4	0
22	6	5	1	7	0
23	14	11	4	10	0
24	13	10	5	11	0
25	12	12	8	11	0
26	13	8	4	7	0
27	16	7	7	8	0
28	13	3	7	9	0
29	12	4	6	6	0
30	12	4	5	7	0
31	10	---	7	8	---
Total	121	206	186	260	103
Mean	4	7	6	8	3
Max.	16	12	12	14	12
Min.	0	3	1	3	0
A.F.	240	410	370	520	200
Total 5 Months	--	--	1740	A.F.	--

MIDDLE LOUP CANAL NO. 3 from Middle Loup River - 1986
Gage Location: SW1/4NW1/4 Sec. 6-17-16W.
near Comstock
Measuring Device: Stage recorder and concrete flume
Period of Record: 1938-1943, 1947-1986

Date	May	June	July	Aug.	Sept.
1	0	69	126	111	32
2	0	68	125	84	32
3	0	71	128	77	38
4	0	72	128	75	38
5	0	72	129	73	38
6	0	73	128	72	36
7	0	71	128	56	37
8	0	72	120	42	39
9	0	47	117	40	39
10	0	4	85	38	15
11	0	2	49	38	0
12	0	48	38	40	0
13	0	78	43	39	0
14	0	80	53	64	0
15	0	50	61	85	0
16	0	8	65	96	0
17	0	32	81	103	0
18	0	62	98	111	0
19	0	81	110	119	0
20	0	84	112	116	0
21	0	86	114	103	0
22	0	88	117	90	0
23	0	95	114	90	0
24	0	103	108	90	0
25	0	105	111	88	0
26	0	109	109	65	0
27	43	118	111	53	0
28	71	120	115	42	0
29	69	118	120	34	0
30	65	125	123	32	0
31	69	---	113	31	---
Total	317	2211	3179	2197	344
Mean	10	74	103	71	11
Max.	71	125	129	119	39
Min.	0	2	38	31	0
A.F.	630	4390	6310	4360	680
Total 5 Months	--	--	16370	A.F.	--

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

MIDDLE LOUP SPILLWAY NO. 3 - 1986
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, 1985-1986

Date	May	June	July	Aug.	Sept.
1	0	2	5	14	11
2	0	1	5	13	10
3	0	0	6	18	12
4	0	0	5	18	11
5	0	2	2	18	12
6	0	6	8	8	10
7	0	7	10	11	9
8	0	7	6	11	12
9	0	7	2	6	11
10	0	5	9	5	9
11	0	0	3	5	7
12	0	0	1	5	6
13	0	5	15	4	0
14	0	21	22	2	0
15	0	23	18	9	0
16	0	19	11	8	0
17	0	1	6	6	0
18	0	6	5	6	0
19	0	17	5	9	0
20	0	23	4	9	0
21	0	22	4	13	0
22	0	20	4	14	0
23	0	18	6	13	0
24	0	15	8	16	0
25	0	10	14	18	0
26	2	7	17	15	0
27	3	6	17	18	0
28	2	3	11	18	0
29	2	3	7	16	0
30	2	5	8	14	0
31	2	---	9	12	0
Total	13	261	253	352	120
Mean	0	9	8	11	4
Max.	3	23	22	18	12
Min.	0	0	1	2	0
A.F.	30	520	500	700	240
Total 5 Months	--	--	1990	A.F.	--

PLATTE RIVER BASIN
(LOUP RIVER)

MIDDLE LOUP CANAL NO. 4 from Middle Loup River - 1986
Gage Location: SMI/4SM1/4 Sec. 6-17-16W.
near Comstock
Measuring Device: Stage recorder and concrete flume
Period of Record: 1938-1943, 1947-1986

Date	May	June	July	Aug.	Sept.
1	0	50	114	97	22
2	0	51	111	78	20
3	0	52	109	80	18
4	0	51	109	74	15
5	0	51	112	62	13
6	0	51	115	52	11
7	0	51	114	43	9
8	0	51	104	37	8
9	0	52	110	34	6
10	0	58	74	32	2
11	0	60	41	31	0
12	0	54	28	31	0
13	0	54	25	30	0
14	0	56	27	48	0
15	0	54	43	65	0
16	0	57	52	60	0
17	0	66	80	64	0
18	0	86	96	80	0
19	0	92	120	87	0
20	0	91	115	93	0
21	0	91	116	92	0
22	0	89	116	92	0
23	0	83	110	92	0
24	0	93	111	92	0
25	0	100	115	92	0
26	0	104	109	56	0
27	44	109	120	44	0
28	73	104	117	34	0
29	61	110	112	24	0
30	51	114	113	22	0
31	50	---	94	22	---
Total	279	2185	2932	1840	124
Mean	9	73	95	59	4
Max.	73	114	120	97	22
Min.	0	50	25	22	0
A.F.	550	4330	5820	3650	250
Total 5 Months	--	14600	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

Note: See also Canal No. 4 from Farwell (Sherman Feeder)
Canal for additional amount.

MIDDLE LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-Feet--1986

	May	June	July	Aug.	Sept.	Total
Diversions:						
Canal No. 1.....	430	1290	2690	1890	250	6550
Canal No. 2.....	560	1420	2860	1650	220	6710
Canal No. 3.....	630	4390	6310	4360	680	16370
Canal No. 4.....	550	4330	5820	3650	250	14600
Canal No. 4..... (from Sherman Feeder) *	0	220	400	60	0	680
Total diversions...	2170	11650	18080	11610	1400	44910
Returned through spillways:						
Canal No. 1.....	160	240	160	650	120	1330
Canal No. 2.....	240	410	370	520	200	1740
Canal No. 3.....	30	520	500	700	240	1990
Canal No. 4.....	60	1010	760	870	180	2880
Total returned.....	490	2180	1790	2740	740	7940

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

MIDDLE LOUP SPILLWAY NO. 4 - 1986
Gage Location: SMI/4SM1/4 Sec. 10-14-14W.
near Loup City
Measuring Device: Stage recorder and 7.8 ft. weir
Period of Record: 1956-1978, 1985-1986

Date	May	June	July	Aug.	Sept.
1	0	12	16	18	8
2	0	10	14	22	10
3	0	10	13	18	10
4	0	12	14	22	11
5	0	11	13	21	9
6	0	10	12	19	7
7	0	11	17	22	5
8	0	11	17	27	8
9	0	11	15	24	6
10	0	14	26	22	7
11	0	19	21	16	8
12	0	18	22	14	4
13	0	16	15	8	0
14	0	14	6	9	0
15	0	16	1	11	0
16	0	17	3	17	0
17	0	18	10	9	0
18	0	22	11	8	0
19	0	30	4	10	0
20	0	30	10	11	0
21	0	26	9	8	0
22	0	23	10	7	0
23	0	23	6	9	0
24	0	18	6	9	0
25	0	17	6	6	0
26	0	15	13	11	0
27	0	22	10	13	0
28	0	21	13	13	0
29	9	14	14	14	0
30	12	17	18	11	0
31	11	---	19	10	---
Total	32	508	384	439	93
Mean	1	17	12	14	3
Max.	12	30	26	27	11
Min.	0	10	1	6	0
A.F.	60	1010	760	870	180
Total 5 Months	--	2880	A.F.		

FARWELL (SHERMAN FEEDER) CANAL from Middle Loup River - 1986
Gage Location: NE1/4SE1/4 Sec. 36-18-17 W.
near Comstock
Measuring Device: Stage recorder and 25 ft. Parshall flume
Period of Record: 1963-1986

Date	Apr.	May	June	July	Aug.	Sept.
1	0	308	48	226	327	354
2	0	315	46	296	512	322
3	40	306	58	267	523	269
4	83	296	57	199	532	207
5	127	301	55	172	535	172
6	148	306	49	185	472	122
7	185	303	48	207	434	81
8	238	318	50	189	397	27
9	164	310	70	175	395	0
10	228	308	79	374	410	0
11	273	310	77	529	416	0
12	308	313	68	543	416	0
13	308	313	191	546	397	0
14	152	310	276	526	387	0
15	62	313	273	520	405	0
16	180	313	306	517	377	0
17	308	306	364	442	366	0
18	315	303	400	327	354	0
19	306	308	392	276	320	0
20	303	299	397	282	330	0
21	308	315	397	280	342	0
22	313	327	405	228	359	0
23	313	330	408	180	366	0
24	299	315	402	183	369	0
25	303	303	410	253	362	0
26	303	306	303	256	364	0
27	301	231	362	273	352	0
28	296	119	330	280	377	0
29	292	76	221	262	352	0
30	299	64	195	249	337	0
31	---	50	---	205	352	---
Total	6755	8595	6737	9447	12237	1554
Mean	225	277	225	305	395	52
Max.	315	330	410	546	535	354
Min.	0	50	46	172	320	0
A.F.	13400	17050	13360	18740	24270	3080
Total 6 Months	--	89900	A.F.			

Appropriations: A-4923A&B

Note: Total includes 680 A.F. delivered to Middle Loup
Canal No. 4.

PLATTE RIVER BASIN
(LOUP RIVER)

SHERMAN RESERVOIR storage in acre-feet - 1986
Gage Location: SW1/4SW1/4 Sec. 36-16-14 W.
near Loup City
Measuring Device: Stage observation
Period of Record: 1963-1986

Date	STORAGE LEVEL					ELEVATION (Feet)					CONTENT (Acre-feet)	
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	Top of conservation pool					2162.3					69076	
	Top of dead storage pool					2118.5					3839	
1	49650	48730	47810	46700	56680	69080	62400	46030	55170	56930	55420	53700
2	49650	48730	47810	46700	57180	69080	61080	45580	55670	56930	55170	53700
3	49650	48500	47810	46700	57430	69080	60612	45810	56170	56680	55170	53700
4	49650	48500	47810	46700	57940	69080	58980	46030	56680	56680	55170	53700
5	49650	48500	47810	46700	58460	69080	57940	46690	56930	56680	55170	53700
6	49650	48500	47810	46700	58720	69080	56930	46920	57430	56680	55170	53550
7	49420	49500	47590	46920	59240	69080	55920	47800	57690	56680	54920	53550
8	49420	48500	47590	47140	59750	69080	54920	48040	57690	56680	54920	53550
9	49420	48500	47590	47590	60810	69080	53700	48500	57430	56680	54920	53550
10	49420	48500	47590	48040	61080	69080	52720	48960	57430	56420	54920	53550
11	49190	48270	47310	48270	61610	69080	52720	49420	57430	56420	54920	53210
12	49190	48270	47590	48730	62140	69080	52970	49650	57430	56420	55170	53210
13	49190	48270	47590	48960	62400	69360	53700	50110	57430	56420	55170	53210
14	49190	48270	47590	49650	62670	69080	54180	50580	57430	56170	54920	53210
15	49190	48040	47310	50110	63220	69080	54670	51060	57430	56170	54920	53210
16	49190	48040	47310	50110	63760	68790	55170	51290	57430	56170	54920	53210
17	49190	48040	47310	50350	64310	68790	55420	51770	57430	56170	54920	53210
18	48960	48040	47590	50820	64580	69080	55670	52000	57430	55920	54920	53210
19	48960	48040	47590	51060	65130	69080	55170	52240	57430	55920	54920	53210
20	48960	48040	47310	51530	65400	69080	54180	52480	57690	55920	54920	52970
21	48960	48040	47140	52000	65960	69080	53210	52480	57690	55920	54180	52970
22	48960	48040	47140	52480	66250	69080	52240	52720	57690	55920	54180	52970
23	48960	48040	47140	52970	66810	68790	51060	52970	57430	55920	54180	52970
24	48960	48040	47140	53550	67370	68500	49880	53210	57430	55920	54180	52970
25	48960	47810	47140	53940	67650	68210	48730	53700	57430	55920	54180	52720
26	48960	47810	46920	54430	68210	67930	48040	54180	57430	55670	53940	52720
27	47830	47810	46920	54920	68500	67370	47810	54180	57430	55670	53940	52720
28	48730	47810	46920	55420	69080	66250	47590	54430	57180	55670	53940	52720
29	48730	-----	46920	55920	69080	48860	47310	54430	57180	55670	53700	52720
30	48730	-----	46920	56420	69080	63760	47140	54920	56930	55670	53700	52720
31	48730	-----	46700	-----	69070	-----	46920	55170	-----	56670	-----	52720

Appropriations: A-4923A

FARWELL "MAIN" CANAL from Sherman Reservoir - 1986
Gage Location: NW1/4SW1/4 Sec. 1-15-14 W.
below Sherman Reservoir
Measuring Device: Stage recorder and six orifice gates
Period of Record: 1964-1986

Date	May	June	July	Aug.	Sept.
1	0	0	554	332	18
2	0	0	518	209	0
3	0	0	485	165	0
4	0	0	444	155	0
5	0	0	437	142	0
6	0	0	437	100	0
7	0	0	443	80	0
8	0	0	454	72	0
9	0	0	472	77	0
10	0	0	331	78	0
11	0	0	137	75	0
12	0	0	116	75	0
13	0	80	105	76	0
14	0	139	106	75	0
15	0	137	115	79	0
16	0	137	131	83	0
17	0	152	155	84	0
18	0	170	284	84	0
19	0	184	414	75	0
20	0	196	443	71	0
21	0	212	483	70	0
22	0	217	514	70	0
23	0	226	498	70	0
24	0	263	449	71	0
25	0	338	294	67	0
26	0	404	162	64	0
27	0	470	137	64	0
28	0	518	146	63	0
29	0	530	153	62	0
30	0	554	213	62	0
31	0	---	288	62	---
Total	0	4927	9918	2912	18
Mean	0	164	320	94	1
Max.	0	554	554	332	18
Min.	0	0	105	62	0
A.F.	0	9770	19670	5780	40
Total 5 Months	--	35260	A.F.		

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

FARWELL "SOUTH" CANAL from Sherman Reservoir - 1986
Gage Location: NW1/4SW1/4 Sec. 1-15-14 W.
below Sherman Reservoir
Measuring Device: Stage recorder and four orifice gates
Period of Record: 1965-1986

Date	May	June	July	Aug.	Sept.
1	0	0	328	190	28
2	0	0	310	128	0
3	0	0	286	110	0
4	0	0	271	112	0
5	0	0	267	105	0
6	0	0	267	78	0
7	0	0	263	68	0
8	0	0	280	57	0
9	0	0	294	50	0
10	0	0	218	49	0
11	0	0	133	45	0
12	0	0	112	45	0
13	0	36	101	43	0
14	0	60	87	42	0
15	0	60	83	41	0
16	0	66	101	42	0
17	0	83	137	43	0
18	0	96	207	53	0
19	0	113	259	55	0
20	0	139	270	58	0
21	0	157	294	59	0
22	0	161	311	62	0
23	0	181	306	62	0
24	0	226	291	62	0
25	0	253	260	76	0
26	0	273	204	99	0
27	0	292	185	106	0
28	0	308	172	111	0
29	0	308	169	109	0
30	0	312	177	99	0
31	0	---	184	97	---
Total	0	3124	6827	2356	28
Mean	0	104	220	76	1
Max.	0	312	328	190	28
Min.	0	0	83	41	0
A.F.	0	6200	13540	4670	60
Total 5 Months	--	24470	A.F.		

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

PLATTE RIVER BASIN

(LOUP RIVER)

TAYLOR-ORD CANAL from North Loup River - 1986
 Gage Location: NE1/4NE1/4 Sec. 20-21-18W.
 near Taylor
 Measuring Device: Stage recorder and concrete flume
 Period of Record: 1939-1943, 1947-1986

FARWELL MAIN and SOUTH CANALS combined flow monthly summary - 1986
 NW1/4SW1/4 Sec. 1-15-14 W. below Sherman Reservoir
 Period of Record: 1955 - 1986

	May	June	July	Aug.	Sept.	Total (Acre-Feet)
Farwell Main Canal	0	9770	19670	5780	40	35260
Farwell South Canal	0	6200	13540	4670	60	24470
Total	0	15970	33210	10450	100	59730
Appropriation	Acres Reported					
A-4423	49180					
A-5710	1485					
A-A-10470	320					
	50985 Total					

Date	May	June	July	Aug.	Sept.
1	0	49	136	180	56
2	0	48	126	119	50
3	0	50	129	105	44
4	0	51	127	113	44
5	0	49	133	126	41
6	0	50	143	134	37
7	54	50	146	146	31
8	104	50	147	152	30
9	97	52	161	140	30
10	73	54	182	130	25
11	64	51	196	137	24
12	60	61	168	126	26
13	70	52	137	127	25
14	77	54	124	133	28
15	58	47	99	149	29
16	58	50	45	164	33
17	52	52	0	172	23
18	46	67	30	168	22
19	47	79	109	145	24
20	46	89	139	126	18
21	46	88	166	115	25
22	51	74	192	109	24
23	53	50	203	101	10
24	52	72	204	95	0
25	48	86	203	94	0
26	48	86	210	88	0
27	49	90	212	77	0
28	48	101	212	64	0
29	50	127	210	57	0
30	49	144	209	55	0
31	47	---	210	56	---
Total	1447	2023	4708	3703	699
Mean	47	67	152	119	23
Max.	104	144	212	180	56
Min.	0	47	0	55	0
A.F.	2870	4010	9340	7340	1390
Total 5 Months	--	--	24950 A.F.		

Appropriations: A-2155, A-2312, A-2417R, A-3215A
 A-376BR, 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 - 1986
 Gage Location: SW1/4SW1/4 Sec. 10-19-14W.
 near Ord
 Measuring Device: Stage recorder and 3 ft. weir
 Period of Record: 1956-1978, 1985-1986

Date	May	June	July	Aug.	Sept.
1	0	0	0	3	2
2	0	0	0	4	2
3	0	0	1	4	2
4	0	0	1	3	2
5	0	0	1	3	2
6	0	2	1	3	2
7	0	2	1	3	2
8	0	2	1	3	2
9	0	1	1	3	2
10	0	1	2	3	2
11	0	2	3	3	2
12	0	2	4	3	2
13	0	2	4	3	2
14	0	2	4	3	2
15	0	2	4	3	2
16	0	2	2	2	2
17	0	2	0	3	1
18	0	2	0	1	0
19	1	2	0	3	0
20	2	2	1	2	0
21	2	2	1	2	0
22	1	4	0	2	0
23	2	4	0	2	0
24	1	4	0	2	0
25	1	4	0	2	0
26	1	3	1	2	0
27	2	3	3	2	0
28	2	1	3	2	0
29	2	1	3	2	0
30	2	1	2	2	0
31	2	---	2	2	---
Total	21	55	46	79	33
Mean	1	2	1	3	1
Max.	2	4	4	4	2
Min.	0	0	0	1	0
A.F.	40	110	90	160	70
Total 5 Months	--	--	470	A.F.	

TAYLOR-ORD SPILLWAY at mile 34.06 - 1986
 Gage Location: NW1/4SW1/4 Sec. 17-19-14W.
 near Ord
 Measuring Device: Stage recorder and 6 ft. weir
 Period of Record: 1956-1978, 1985-1986

Date	May	June	July	Aug.	Sept.
1	0	0	11	18	18
2	0	0	12	25	18
3	0	0	10	22	16
4	0	5	9	18	16
5	0	7	9	14	14
6	0	13	9	18	15
7	0	14	8	19	16
8	0	14	9	19	12
9	2	13	4	20	11
10	16	16	7	20	9
11	19	16	13	19	7
12	20	15	18	20	7
13	14	16	19	20	6
14	19	16	23	9	6
15	21	16	24	3	6
16	19	12	8	9	5
17	19	11	0	15	7
18	16	2	0	16	8
19	11	10	0	19	8
20	8	22	26	19	6
21	6	24	19	17	11
22	3	22	6	16	11
23	8	16	10	14	10
24	8	15	8	13	6
25	7	18	7	13	3
26	6	18	7	16	1
27	8	17	8	23	1
28	9	11	11	25	1
29	7	13	10	20	0
30	5	13	10	19	0
31	---	---	9	19	---
Total	251	385	324	537	255
Mean	8	13	10	17	9
Max.	21	24	26	25	18
Min.	0	0	0	3	0
A.F.	500	760	640	1070	510
Total 5 Months	--	--	3480	A.F.	

PLATTE RIVER BASIN
(LOUP RIVER)

CALAMUS RESERVOIR from Calamus River - 1986
Gage Location: NE1/4SW1/4 Sec. 31-22-16 W.
near Burnwell
Measuring Device: Stage recorder
Period of Record: 1985-1986

Date	STORAGE LEVEL												ELEVATION (Feet)	CONTENT (Acre-feet)
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
	Top of conservation pool												2244.0	127400
	Top of dead storage pool												2185.0	817
1	11660	21870	31710	43090	52500	53880	52640	45740	41540	44400	59190	72290		
2	11770	22180	32140	43350	52200	53090	52880	45740	41540	44670	59830	72290		
3	11990	22510	32570	43880	52200	53090	52880	45470	41540	44670	60140	72290		
4	12330	22990	33010	44400	51910	53080	52940	45200	41540	44940	60780	72290		
5	12450	23470	33450	44940	52200	53090	52910	45200	41540	44940	61430	72290		
6	12800	24000	33670	45200	51910	53090	52820	44670	41800	45200	61750	72290		
7	13030	24480	33890	45740	51910	53380	52730	44400	41800	45740	62080	72290		
8	13270	24830	34340	46280	51910	53090	52620	43880	41800	46560	62780	72290		
9	13640	25190	34560	46560	52200	52790	52260	43880	41800	47100	63380	72290		
10	13880	25560	35020	47100	52790	53090	52230	43610	42060	47660	63710	72290		
11	14130	25740	35250	47380	53090	53090	52150	43350	42060	48490	64040	72290		
12	14640	25950	35710	47660	53380	52790	52120	43090	41800	49050	64710	72290		
13	15030	26300	36170	47930	53680	52790	51860	42830	41800	49330	65040	72290		
14	15290	26680	36410	48490	53380	52790	51480	42570	41800	49620	65380	72290		
15	15690	27060	36880	48770	53380	52790	51220	42310	41800	49900	66050	72290		
16	16100	27330	37350	49050	53680	52790	50840	42060	41800	50180	66390	72290		
17	16380	27680	37830	49330	53680	52790	50500	41800	42060	50470	67060	72290		
18	16800	28050	38310	49620	53380	52790	50160	41540	42060	51040	67750	72290		
19	17080	28320	38800	50180	53380	52500	49840	41540	42830	51330	68090	72290		
20	17510	28600	39040	50470	53090	52500	49470	41540	43090	51910	68780	72290		
21	18090	29020	39540	50760	53090	52200	49220	41540	43350	52790	69120	72290		
22	18240	29220	40030	51040	53090	52200	48850	41290	43880	53380	69820	72290		
23	18690	29620	40280	51330	53090	52202	48490	41290	43880	53980	70170	72290		
24	18990	29830	40530	51620	53090	52205	48160	41040	44140	54570	70870	72290		
25	19450	30240	41040	51330	53090	52200	47930	41040	44140	55180	71220	72290		
26	19760	30510	41290	51040	53090	51910	47630	41540	44400	55780	71580	72290		
27	20080	30920	41540	51910	53090	51910	47210	41540	44400	56390	71930	72640		
28	20400	31350	41800	52500	53090	51910	46910	41540	44400	57010	71930	72640		
29	20720	-----	42060	52500	53380	51910	46580	41540	44400	57630	72290	72640		
30	21200	-----	42310	52500	53380	51910	46260	41540	44670	58250	72290	72640		
31	21530	-----	42830	-----	53380	-----	45930	41540	-----	58880	-----	-----		

Appropriations: A-9517

BURNELL-SUMTER CANAL from North Loup River
Gage Location: NE1/4NW1/4 Sec. 19-21-15W.
near Burnwell
Measuring Device: Stage recorder and concrete flume
Period of Record: 1939-1943, 1947-1986

Date	May	June	July	Aug.	Sept.
1	0	35	75	86	22
2	0	36	73	61	22
3	0	35	78	61	23
4	0	35	81	63	22
5	52	34	82	53	24
6	50	32	86	38	20
7	42	30	87	44	20
8	43	29	88	44	22
9	42	28	87	45	21
10	39	25	86	44	21
11	38	25	79	46	21
12	39	30	72	47	21
13	40	32	65	47	21
14	39	35	60	47	20
15	39	36	47	48	20
16	40	36	40	57	21
17	39	34	53	69	20
18	37	40	70	82	20
19	38	48	81	72	0
20	38	53	88	59	0
21	38	53	88	51	0
22	38	54	95	44	0
23	40	37	99	41	0
24	39	39	101	38	0
25	38	48	101	38	0
26	39	52	93	36	0
27	38	55	92	27	0
28	38	65	94	24	0
29	38	72	101	20	0
30	36	75	103	22	0
31	36	---	102	22	---
Total	1073	1238	2547	1476	381
Mean	35	41	82	48	13
Max.	52	75	103	86	24
Min.	0	25	40	20	0
A.F.	2130	2460	5050	2930	760
Total 55 Month	---	---	13330	---	A.F.

Appropriations: A-2312, A-32158, A-3772, A-3828
A-39808, A-39828, A-6578, A-6943
A-9809, A-10443, A-11856, A-12017
A-12355, A-13402, A-13474, A-14566
A-14777, A-15935, A-16273

PLATTE RIVER BASIN
(LOUP RIVER)

BURWELL-SUMTER SPILLWAY at mile 24.90 - 1986
Gage Location: SE1/4NE1/4 Sec. 20-19-13W.
near Ord
Measuring Device: Stage recorder and 3 ft. weir
Period of Record: 1956-1978, 1985-1986

Date	May	June	July	Aug.	Sept.
1	0	4	0	10	6
2	0	4	6	9	6
3	0	4	0	9	6
4	0	4	0	9	4
5	0	4	0	10	4
6	2	4	0	10	6
7	2	4	1	8	6
8	4	4	2	6	6
9	4	4	1	4	6
10	5	4	3	6	6
11	4	3	8	8	6
12	3	4	10	8	5
13	2	6	10	9	5
14	4	6	10	7	5
15	3	7	9	4	5
16	3	7	6	1	2
17	4	7	5	0	4
18	4	7	1	1	6
19	3	8	1	5	4
20	2	9	2	7	1
21	2	10	2	7	1
22	2	10	0	7	0
23	3	9	0	8	0
24	3	8	0	8	0
25	3	7	1	8	0
26	3	9	4	9	0
27	4	8	6	8	0
28	4	4	4	8	0
29	4	3	4	8	0
30	4	1	5	6	0
31	4	---	6	6	---
Total	85	173	107	214	100
Mean	3	6	3	7	3
Max.	5	10	10	10	6
Min.	0	1	0	0	0
A.F.	170	340	210	420	200
Total 5 Months	--	1340	A.F.		

ORD-NORTH LOUP CANAL from North Loup River - 1986
Gage Location: NW1/4NE1/4 Sec. 36-19-14W.
near Ord
Measuring Device: Stage recorder and concrete flume
Period of Record: 1939-1943, 1947-1986

Date	May	June	July	Aug.	Sept.
1	37	28	86	75	0
2	44	28	88	49	0
3	22	28	87	51	0
4	21	28	87	47	6
5	20	29	88	35	15
6	21	28	88	26	17
7	25	28	88	22	12
8	26	29	97	22	12
9	16	28	105	23	11
10	27	28	106	20	11
11	24	26	87	22	11
12	27	25	72	21	10
13	27	25	59	20	10
14	28	25	59	22	10
15	28	25	54	25	10
16	29	22	47	29	12
17	28	26	58	38	6
18	29	31	71	39	0
19	29	35	91	27	0
20	30	36	98	22	0
21	29	36	95	18	0
22	30	34	100	18	0
23	30	38	104	17	0
24	30	43	106	19	0
25	29	50	104	18	0
26	30	59	101	11	0
27	31	59	99	0	0
28	30	64	101	0	0
29	29	76	103	0	0
30	28	80	102	0	0
31	27	---	98	0	---
Total	861	1097	2729	736	153
Mean	28	37	88	24	5
Max.	44	80	106	75	17
Min.	16	22	47	0	0
A.F.	1710	2180	5410	1460	300
Total 5 Months	--	11060	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

ORD-NORTH LOUP SPILLWAY at mile 16.69 - 1986
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, 1985-1986

Date	May	June	July	Aug.	Sept.
1	0	3	8	9	1
2	6	3	6	8	0
3	2	3	7	6	0
4	2	5	7	7	0
5	3	5	5	9	0
6	2	6	4	3	0
7	3	6	2	5	0
8	6	6	1	4	0
9	4	6	0	6	0
10	1	6	6	6	0
11	5	6	9	5	0
12	2	5	6	5	1
13	4	5	6	5	2
14	2	5	11	4	3
15	3	6	11	4	3
16	3	5	8	2	4
17	3	6	6	1	5
18	3	8	1	6	6
19	2	8	0	3	3
20	2	8	0	5	1
21	2	8	0	5	1
22	2	6	2	4	0
23	3	4	4	4	0
24	2	5	5	5	0
25	2	4	5	7	0
26	3	4	6	7	0
27	4	8	4	4	0
28	4	6	2	2	0
29	4	6	2	2	0
30	3	8	5	1	0
31	3	---	5	1	---
Total	90	170	144	145	30
Mean	3	6	5	5	1
Max.	6	8	11	9	6
Min.	0	3	0	1	0
A.F.	180	340	290	290	60
Total 5 Months	--	1160	A.F.		

NORTH LOUP RIVER PUBLIC POWER AND IRRIGATION DISTRICT
Summary in Acre-Feet--1986

	May	June	July	Aug.	Sept.	Total
Diversions:						
Taylor-Ord Canal	2870	4010	9340	7340	1390	24950
Burwell-Sumter Canal	2130	2460	5050	2930	760	13330
Ord-North Loup Canal	1710	2180	5410	1460	300	11060
Total diverted:	6710	8650	19800	11730	2450	49340
Returned through spillways:						
Taylor-Ord Mile 33.90	40	110	90	160	70	470
Taylor-Ord Mile 34.06	500	760	640	1070	510	3480
Burwell-Sumter	170	340	210	420	200	1340
Ord-North Loup	180	340	290	290	60	1160
Total returned:	890	1550	1230	1940	840	6450

PLATTE RIVER BASIN
(SALT CREEK)

OLIVE BRANCH LAKE (NO. 2) from Olive Branch Creek - 1986
Gage Location: Sec. 10-7-5 E. near Kramer
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1986

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, 1985	1230
January 31, 1986	1200
February 28, 1986	1150
March 31, 1986	1260
April 30, 1986	1630
May 31, 1986	1510
June 30, 1986	1600
July 31, 1986	1440
August 31, 1986	1520
September 30, 1986	1670
October 31, 1986	1560
November 30, 1986	1510
December 31, 1986	1520

Appropriations: A-10120

BLUE STEM LAKE (NO. 4) from a tributary to Salt Creek - 1986
Gage Location: Sec. 30-4-6 E. near Martell
Measuring Device: Stage Recorder
Period of Published Record: 1977 - 1986

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, 1985	2610
January 31, 1986	2580
February 28, 1986	2560
March 31, 1986	2850
April 30, 1986	3480
May 31, 1986	3080
June 30, 1986	3060
July 31, 1986	2990
August 31, 1986	3060
September 30, 1986	3290
October 31, 1986	3000
November 30, 1986	3040
December 31, 1986	3130

Appropriations: A-10025

WAGON TRAIN LAKE (NO. 8) from a tributary to Salt Creek - 1986
Gage Location: Sec. 36-8-7 E. near Holland
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1986

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, 1985	2310
January 31, 1986	2350
February 28, 1986	2460
March 31, 1986	2540
April 30, 1986	2780
May 31, 1986	2540
June 30, 1986	2700
July 31, 1986	2430
August 31, 1986	2520
September 30, 1986	2830
October 31, 1986	2760
November 30, 1986	2550
December 31, 1986	2560

Appropriations: A-10024

STAGE COACH LAKE (NO. 9) from South Branch Salt Creek - 1986
Gage Location: Sec. 4-7-7 E. near Hickman
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1986

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, 1985	1930
January 31, 1986	1930
February 28, 1986	1920
March 31, 1986	1940
April 30, 1986	2120
May 31, 1986	1940
June 30, 1986	1950
July 31, 1986	1890
August 31, 1986	1940
September 30, 1986	2090
October 31, 1986	2030
November 30, 1986	1960
December 31, 1986	1990

Appropriations: A-10119

PLATTE RIVER BASIN
(SALT CREEK)

YANKEE HILL LAKE (NO. 10) from Cardwell Branch Salt Creek - 1986
Gage Location: Sec 19-9-6 E. near Denton
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1986

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, 1985	1890
January 31, 1986	1890
February 28, 1986	1920
March 31, 1986	2080
April 30, 1986	2640
May 31, 1986	2110
June 30, 1986	2120
July 31, 1986	2120
August 31, 1986	2050
September 30, 1986	2100
October 31, 1986	2220
November 30, 1986	2100
December 31, 1986	2120

Appropriations: A-10430

CONESTOGA LAKE (NO.12) from Holmes Creek - 1986
Gage Location: Sec. 10-9-5 E. near Denton
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1986

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, 1985	2650
January 31, 1986	2640
February 28, 1986	2660
March 31, 1986	2680
April 30, 1986	2700
May 31, 1986	2690
June 30, 1986	2810
July 31, 1986	2630
August 31, 1986	2640
September 30, 1986	2670
October 31, 1986	2770
November 30, 1986	2710
December 31, 1986	2730

Appropriations: A-10121

TWIN LAKES (NO. 13) from South Branch Middle Creek - 1986
Gage Location: Sec. 22-10-4 E. near Pleasant Dale
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1986

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, 1985	2870
January 31, 1986	2830
February 28, 1986	2820
March 31, 1986	2860
April 30, 1986	3110
May 31, 1986	2890
June 30, 1986	2860
July 31, 1986	2810
August 31, 1986	2820
September 30, 1986	2850
October 31, 1986	2880
November 30, 1986	2860
December 31, 1986	2860

Appropriations: A-10308

PAWNEE LAKE (NO. 14) from North Branch Middle Creek - 1986
Gage Location: Sec. 16-10-5 E. near Emerald
Measuring Device: Stage recorder
Period of Published Record: 1977 - 1986

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

Date	Contents (acre-feet)
December 31, 1985	8640
January 31, 1986	8610
February 28, 1986	8710
March 31, 1986	8760
April 30, 1986	9320
May 31, 1986	8840
June 30, 1986	9290
July 31, 1986	8750
August 31, 1986	8600
September 30, 1986	8620
October 31, 1986	8850
November 30, 1986	8680
December 31, 1986	8720

Appropriations: A-10176

PLATTE RIVER BASIN
(SALT CREEK)

ANTELOPE LAKE (HOLMES PARK NO. 17) from Antelope Creek - 1986
 Gage Location: Sec. 4-9-7 E. in Lincoln
 Measuring Device: Stage recorder
 Period of Published Record: 1977 - 1986

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, 1985	747
January 31, 1986	620
February 28, 1986	625
March 31, 1986	624
April 30, 1986	870
May 31, 1986	797
June 30, 1986	824
July 31, 1986	782
August 31, 1986	804
September 30, 1986	863
October 31, 1986	827
November 30, 1986	807
December 31, 1986	727

Appropriations: A-9972

BRANCHED OAK LAKE (NO. 18) from Oak Creek - 1986
 Gage Location: Sec. 34-12-5 E. near Raymond
 Measuring Device: Stage recorder
 Period of Published Record: 1977 - 1986

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-Feet)
Top of flood pool	1311.5	9700
Top of conservation pool	1284.0	2600
Top of dead storage pool	1276.3	1450

Date	Contents (acre-feet)
December 31, 1985	26770
January 31, 1986	26700
February 28, 1986	26750
March 31, 1986	26990
April 30, 1986	28550
May 31, 1986	27460
June 30, 1986	29580
July 31, 1986	27210
August 31, 1986	26740
September 30, 1986	26720
October 31, 1986	27280
November 30, 1986	26570
December 31, 1986	26560

Appropriations: A-10309

REPUBLICAN RIVER BASIN

HAIGLER CANAL from Republican River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	10	13	25	30	21	25
2	17	12	26	27	12	17
3	18	9.4	25	25	16	17
4	19	16	23	24	18	17
5	19	22	23	24	13	16
6	18	20	24	25	9.7	18
7	18	19	26	26	9.8	18
8	23	28	40	26	7.9	18
9	33	19	31	27	0	18
10	34	14	0	27	0	17
11	36	12	0	27	0	18
12	36	9.4	0	24	2.4	13
13	39	4.9	0	24	13	14
14	40	1.4	0	24	16	14
15	38	15	0	24	18	14
16	28	30	0	20	20	14
17	35	31	2.5	19	18	13
18	41	29	9.4	21	17	13
19	40	30	18	22	19	13
20	38	31	24	22	18	12
21	38	28	23	25	18	13
22	36	27	23	27	18	3
23	35	27	22	26	16	0
24	35	30	22	26	16	0
25	34	26	23	24	15	0
26	36	22	23	23	14	0
27	40	21	22	24	12	0
28	40	20	21	21	22	0
29	38	19	24	20	22	0
30	26	22	36	20	22	0
31	14	---	31	24	---	0
Total	952	608.1	566.9	740	423.8	335
Mean	31	20	18	24	14	11
Max.	41	31	40	30	22	25
Min.	10	1.4	0	19	0	0
A.F.	1890	1210	1120	1480	840	660
Total 6 Months	---	---	7200	A.F.	---	---

Data furnished by the State of Colorado. October values are preliminary.

HAIGLER CANAL from Republican River - 1986
 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: 1985-1986

Date	May	June	July	Aug.	Sept.	Oct.
1	0	12	17	18	16	21
2	0	11	19	17	9.1	20
3	0	8.9	20	16	10	15
4	0	10	18	14	14	17
5	0	22	16	13	10	17
6	0	18	15	14	11	18
7	0	16	17	15	6.2	18
8	0	25	28	15	9.1	16
9	10	21	30	15	1.5	17
10	16	14	7.4	17	0	17
11	24	12	0	21	0	19
12	24	8.5	0	16	0	17
13	31	5	0	12	0	16
14	34	1.2	0	11	6.4	15
15	34	3.2	0	11	14	15
16	27	17	0	7.2	16	14
17	25	17	0	11	15	14
18	35	16	0	14	12	13
19	36	20	5.3	16	14	13
20	36	25	18	16	13	13
21	36	19	15	21	14	4.4
22	32	16	16	22	16	0
23	32	16	16	18	17	0
24	32	20	16	17	12	0
25	32	20	18	16	13	0
26	32	18	19	15	13	0
27	32	15	17	16	19	0
28	34	13	14	15	20	0
29	34	12	13	15	20	0
30	28	15	22	14	22	0
31	14	---	18	14	---	0
Total	670	446.8	394.7	472.2	343.3	329.4
Mean	22	15	13	15	11	11
Max.	36	25	30	22	22	21
Min.	0	1.2	0	7.2	0	0
A.F.	1330	890	780	940	680	650
Total 6 Months	---	---	5270	A.F.	---	---

Appropriations: D-1025

NEEKER-DRIFTWOOD CANAL from Republican River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	55	225	212	92
2	0	56	235	215	83
3	0	55	212	213	72
4	0	55	194	220	59
5	0	55	192	234	16
6	0	55	192	223	0
7	0	56	216	216	0
8	0	56	253	197	0
9	0	55	281	187	0
10	0	58	271	188	0
11	0	65	212	155	0
12	66	65	187	139	0
13	19	65	186	128	0
14	0	65	190	122	0
15	0	66	205	122	0
16	0	65	230	122	0
17	0	79	256	122	0
18	0	85	291	137	0
19	67	85	305	187	0
20	61	95	305	229	0
21	61	100	304	232	0
22	61	100	304	216	0
23	61	110	291	210	0
24	61	139	259	210	0
25	61	162	214	201	0
26	62	180	195	195	0
27	62	166	194	186	0
28	62	156	185	156	0
29	59	156	180	114	0
30	55	194	194	99	0
31	55	---	205	99	---
Total	873	2754	7163	5486	322
Mean	28	92	231	177	11
Max.	67	194	305	234	92
Min.	0	55	180	99	0
A.F.	1730	5460	14210	10880	640
Total 5 Months	---	---	32920	A.F.	---

Appropriations: D-4, A-3869BR, A-3887CR, A-6213, A-6225G, A-9650, A-9911, A-10590, A-11946, A-13227, A-14157, A-14180, A-15130, A-15138, A-15805, A-15811

REPUBLICAN RIVER BASIN

CHAMPION CANAL from Frenchman River - 1986
 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 - 1986

Date	March	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0	5.9	4.8	5	3.2	1.5	3.2	3	2.6	2.2
2	0	5.8	4.7	5	2.4	1.4	3.3	3.2	2.6	2
3	0	6.4	4.7	5	2	1.4	3.3	3.1	2.6	2
4	0	6.9	4.7	4.9	2	1.2	3.3	3	2.6	2.1
5	0	6.8	4.5	4.9	2.3	1.2	3.2	3.1	2.5	2.3
6	0	6.8	4.4	5.4	2.3	1.2	3.2	3	2.4	2.3
7	0	6.0	4.3	7	2.3	1.1	3.2	3	2.3	2.2
8	0	6.8	4	7.2	1.9	1.1	3.3	3	2.3	2.4
9	0	6.5	3.8	6.8	2	1.7	3.2	3	2.3	2.5
10	0	6.4	3.9	6.6	2.1	1	3.2	2.9	2.2	2.5
11	0	6.3	3.9	6.4	2	1	3.3	3.3	2.2	2.4
12	5.2	6.1	3.2	6.2	2	1.1	3.3	3.2	2.1	2.3
13	7	6.1	4.3	5.7	2.5	1.4	3.4	3.1	2.2	2.3
14	7	6	4.4	5.4	3	2.7	3.4	3	2.2	2.3
15	7.2	5.6	4.6	5	3.3	2.1	3.5	3	2.2	2.2
16	7.2	5.6	4.9	4.7	2.1	1.7	3.5	3	2.3	2.1
17	7.9	5.6	5	4.4	1.9	1.6	3.5	2.9	2.3	2.1
18	7.9	5.3	5.2	4.2	2	1.7	3.4	2.9	2.3	2.1
19	7.6	5.2	5.2	4.6	1.9	1.7	3.3	2.9	2.3	2.1
20	7.5	5.2	5	5	2.1	1.8	3.3	2.9	2.3	2.1
21	7.2	5.2	4.9	5.5	2.1	1.7	3.3	2.8	2.3	2.1
22	7	5.2	4.7	5.4	2.2	1.7	3.2	2.9	2.2	2.1
23	6.9	5.1	4.7	4.7	2.2	1.7	3.3	2.8	2.2	2.1
24	6.7	5	4.5	5.3	2.1	1.6	3.2	2.8	2.1	2
25	6.6	5	4.5	5.4	2	1.7	3.3	2.7	2.1	2.2
26	6.6	5	4.4	3.6	1.9	2.4	3.3	2.7	2.2	2.8
27	6.5	5	4.5	2.7	1.8	2.7	3.3	2.8	2.2	3
28	6.3	5	4.7	2.8	1.8	2.7	3.2	2.8	2.1	2.9
29	6.2	4.9	4.8	2.9	1.7	2.8	3.1	2.7	2.1	3
30	6.1	4.9	4.8	3	1.4	3	3	2.6	2.2	3
31	5.9	---	5	---	1.4	3.1	---	2.7	---	2.9
Total	136.5	172.4	141	150.7	65.9	54.7	98.5	90.8	68.5	72.6
Mean	4.4	5.7	4.5	5	2.1	1.8	3.3	2.9	2.3	2.3
Max.	7.9	6.9	5.2	7.2	3.3	3.1	3.5	3.3	2.6	3
Min.	0	4.9	3.2	2.7	1.4	1	3	2.6	2.1	2
A.F.	271	342	280	299	131	108	195	180	136	144
Total 10 Months	---	---	2090	A.F.	---	---	---	---	---	---

Appropriations: D-47

CULBERTSON CANAL from Frenchman River - 1986
 Gage Location: SW1/4NE1/4 Sec. 32-5-33 W. near Pallsade
 Measuring Device: Stage recorder and Parshall flume
 Period of Record: 1920 - 1986

Date	Apr.	May	June	July	Aug.	Sept.
1	0	39	45	186	155	0
2	0	39	47	186	172	0
3	0	39	43	166	183	0
4	0	39	41	139	172	0
5	0	39	52	119	170	0
6	0	39	51	115	173	0
7	12	39	57	126	159	0
8	45	38	52	141	155	0
9	47	41	59	160	160	0
10	52	42	70	186	165	0
11	54	43	67	194	162	0
12	55	40	62	198	160	0
13	53	38	60	191	165	0
14	49	37	57	176	166	0
15	49	44	57	169	177	0
16	50	52	55	166	199	0
17	51	45	52	175	206	0
18	51	41	51	177	230	0
19	51	46	50	177	239	0
20	51	47	49	177	199	0
21	51	47	46	196	100	0
22	50	48	45	156	52	0
23	51	47	42	182	19	0
24	51	45	63	205	0	0
25	51	46	92	151	0	0
26	49	46	111	170	0	0
27	49	48	134	154	0	0
28	52	46	153	152	0	0
29	52	44	163	142	0	0
30	43	43	176	144	0	0
31	---	45	---	148	0	---
Total	1169	1332	2102	5124	3738	0
Mean	39	43	70	165	121	0
Max.	55	52	176	205	239	0
Min.	0	37	41	115	0	0
A.F.	2320	2640	4170	10160	7410	0
Total 6 Months	---	---	26700	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

RIVERSIDE CANAL from Frenchman River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.	Oct.
1	2.9	0	10	0	12	12
2	10	0	8	0	9.6	13
3	11	0	6	3.1	12	13
4	12	0	4.2	3.3	12	12
5	12	0	3	1.4	12	7.2
6	12	0	0.8	0	12	0
7	12	0	2.8	0	12	0
8	12	0	2.6	0	12	0
9	12	0	4.2	2.8	12	0
10	12	0	8.4	7.2	12	0
11	12	0	12	5.9	12	0
12	12	0	12	4	12	0
13	11	0	9.3	2.9	12	0
14	11	0	8.5	2.7	12	0
15	12	0	6.9	0.9	12	0
16	12	0	5.7	5.5	12	0
17	12	0	5.9	6.7	12	0
18	14	0	5.2	5.3	12	0
19	13	0	4.6	6.6	11	0
20	12	0.18	2.6	3.4	11	0
21	12	9.8	3.8	2	11	0
22	12	12	8.2	0.9	11	0
23	11	12	5	7.1	11	0
24	9.6	12	2.7	11	11	0
25	8.7	15	1.1	13	11	0
26	8.7	13	0	12	12	0
27	5.2	12	0	12	12	0
28	0	13	0	13	12	0
29	0	12	1.7	13	12	0
30	0	11	0	12	12	0
31	0	---	0	12	---	0
Total	296.1	121.98	145.2	169.7	350.6	57.2
Mean	9.6	4.1	4.7	5.5	11.7	1.8
Max.	14	15	12	13	12	13
Min.	0	0	0	0	9.6	0
A.F.	587	242	288	337	695	113
Total 6 Months	---	---	2260	A.F.	---	---

Appropriations: D-18, A-1674

REPUBLICAN RIVER BASIN

RED WILLOW CANAL from Red Willow Creek - 1986
 Gage Location: SW1/4SE1/4 Sec. 25-4-29 W.
 near Red Willow
 Measuring Device: Stage recorder and orifice
 Period of Record: 1963 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	79	45	34
2	0	0	81	45	30
3	0	0	77	45	24
4	0	0	72	47	22
5	0	0	64	53	7.8
6	0	0	63	59	0
7	0	0	65	64	0
8	0	0	67	63	0
9	0	0	74	62	0
10	0	0	78	62	0
11	0	0	67	55	0
12	0	0	63	43	0
13	0	0	63	44	0
14	0	0	70	46	0
15	0	0	72	46	0
16	0	25	71	40	0
17	0	25	70	40	0
18	0	24	70	54	0
19	0	21	70	69	0
20	0	26	70	73	0
21	0	27	73	71	0
22	0	26	74	58	0
23	0	32	75	52	0
24	0	42	72	52	0
25	0	51	63	54	0
26	0	61	60	51	0
27	0	72	63	47	0
28	0	73	50	42	0
29	0	68	43	36	0
30	0	81	42	34	0
31	0	---	44	34	---
Total	0	654	2065	1586	117.8
Mean	0	22	67	51	4
Max.	0	81	81	73	34
Min.	0	0	42	34	0
A.F.	0	1300	4100	3150	230
Total 5 Months	----	---	8780	A.F.	---

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

CAMBRIDGE CANAL from Republican River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	282	120	80
2	0	0	248	118	71
3	0	0	228	119	70
4	0	0	202	143	66
5	0	0	195	153	18
6	0	0	195	150	0
7	0	0	220	135	0
8	0	0	245	121	0
9	0	0	255	116	0
10	0	0	249	116	0
11	0	0	215	149	0
12	0	0	210	188	0
13	0	0	205	199	0
14	0	0	207	227	0
15	0	0	219	241	0
16	0	46	236	240	0
17	0	91	269	238	0
18	0	87	281	224	0
19	0	77	283	209	0
20	0	77	285	204	0
21	0	91	283	196	0
22	0	102	280	166	0
23	0	127	272	154	0
24	0	183	261	155	0
25	0	231	247	149	0
26	0	262	245	136	0
27	0	269	232	129	0
28	0	256	143	115	0
29	0	254	132	90	0
30	0	280	119	82	0
31	0	---	118	83	---
Total	0	2433	7061	4865	305
Mean	0	81	228	157	10
Max.	0	280	285	241	80
Min.	0	0	118	82	0
A.F.	0	4830	14010	9650	600
Total 5 Months	----	---	29090	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

BARTLEY CANAL from Republican River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	17	69	64
2	0	0	15	74	56
3	0	0	15	77	56
4	0	0	15	76	58
5	0	0	43	69	41
6	0	0	60	63	27
7	0	0	60	57	23
8	0	0	82	60	23
9	0	0	102	61	18
10	0	6.3	113	60	14
11	0	28	116	60	12
12	0	24	109	73	11
13	0	21	106	82	3.7
14	0	24	105	49	0
15	0	25	93	29	0
16	0	25	77	26	0
17	0	25	69	24	0
18	0	30	70	24	0
19	0	34	41	27	0
20	0	35	21	37	0
21	0	38	20	39	0
22	0	39	16	39	0
23	0	39	16	54	0
24	0	40	16	64	0
25	0	52	14	66	0
26	0	37	13	85	0
27	0	26	13	97	0
28	0	26	12	95	0
29	0	23	34	90	0
30	0	22	47	74	0
31	0	---	57	64	---
Total	0	619.3	1587	1864	406.7
Mean	0	21	51	60	14
Max.	0	52	116	97	64
Min.	0	0	12	24	0
A.F.	0	1230	3150	3700	810
Total 5 Months	----	---	8890	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

HAPONNE CANAL from Republican River - 1986
 Gage Location: NE1/4NE1/4 Sec. 14-1-17 W.
 Below Harlan County Dam
 Measuring Device: Sparling Meter
 Period of Record: 1955 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	38	28	13
2	0	0	38	7.7	6
3	0	0	38	0	0
4	0	0	36	0	0
5	0	0	34	0	0
6	0	0	32	0	0
7	0	0	36	9.5	0
8	0	0	38	20	0
9	0	0	38	22	0
10	0	0	17	23	0
11	0	0	0	30	0
12	0	0	0	36	0
13	0	4	0	38	0
14	0	0	9.2	38	0
15	0	0	21	36	0
16	0	0	31	30	0
17	0	0	38	28	0
18	0	0	38	25	0
19	0	10	38	26	0
20	0	20	38	28	0
21	0	22	36	28	0
22	0	22	36	25	0
23	0	26	36	8.7	0
24	0	32	36	0	0
25	0	36	36	0	0
26	0	37	32	12	0
27	0	37	29	19	0
28	0	38	31	17	0
29	0	38	34	14	0
30	0	38	34	13	0
31	0	---	34	13	---
Total	0	360	932.2	574.9	19
Mean	0	12	30	19	1
Max.	0	38	38	38	13
Min.	0	0	0	0	0
A.F.	0	710	1850	1140	40
Total 5 Months	----	---	3740	A.F.	---

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

FRANKLIN CANAL from Republican River - 1986
 Gage Location: NW1/4NE1/4 Sec. 11-1-17 W.
 Below Marlan County Dam
 Measuring Device: Stage recorder and orifice
 Period of Record: 1954 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	252	215	107
2	0	0	251	164	83
3	0	0	251	163	16
4	0	0	251	163	0
5	0	0	250	163	0
6	0	0	250	173	0
7	0	0	249	179	0
8	0	0	250	189	0
9	0	0	252	199	0
10	0	0	245	190	0
11	0	0	238	188	0
12	0	0	238	187	0
13	0	0	237	187	0
14	0	0	241	185	0
15	0	0	250	202	0
16	0	0	250	220	0
17	0	69	251	218	0
18	0	120	254	224	0
19	0	167	253	233	0
20	0	181	253	238	0
21	0	181	252	248	0
22	0	201	253	240	0
23	0	228	253	226	0
24	0	238	253	221	0
25	0	248	252	207	0
26	0	254	251	190	0
27	0	254	250	174	0
28	0	254	249	158	0
29	0	254	248	138	0
30	0	252	248	118	0
31	0	---	247	113	---
Total	0	2901	7722	5913	206
Mean	0	97	249	191	7
Max.	0	254	254	248	107
Min.	0	0	237	113	0
A.F.	0	5750	15320	11730	410
Total 5 Months	----	33210	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 - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	42	20	0
2	0	0	41	0	0
3	0	0	41	0	0
4	0	0	41	0	0
5	0	0	41	0	0
6	0	0	41	0	0
7	0	0	41	0	0
8	0	0	40	0	0
9	0	0	39	0	0
10	0	0	40	0	0
11	0	0	39	13	0
12	0	0	39	24	0
13	0	0	40	32	0
14	0	0	40	34	0
15	0	0	39	36	0
16	0	0	38	38	0
17	0	0	38	37	0
18	0	12	38	35	0
19	0	21	38	33	0
20	0	28	39	33	0
21	0	31	39	32	0
22	0	31	39	32	0
23	0	36	39	26	0
24	0	40	39	32	0
25	0	42	39	29	0
26	0	42	38	19	0
27	0	41	36	15	0
28	0	42	36	15	0
29	0	42	38	12	0
30	0	42	38	8.9	0
31	0	---	38	7.2	---
Total	0	450	1214	563.1	0
Mean	0	15	39	18	0
Max.	0	42	42	38	0
Min.	0	0	36	0	0
A.F.	0	890	2410	1120	0
Total 5 Months	----	4420	A.F.		

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

COURTLAND CANAL from Republican River - 1986
 Gage Location: NE1/4NE1/4 Sec. 18-1-9 W.
 near Guide Rock
 Measuring Device: Stage recorder and orifice
 Period of Record: 1952 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	493	665	106
2	0	27	443	688	41
3	0	57	426	662	0
4	0	62	431	667	0
5	0	83	420	656	0
6	0	92	421	567	0
7	0	99	407	528	0
8	0	103	362	411	0
9	0	165	342	357	0
10	0	165	346	349	0
11	0	147	352	348	0
12	0	159	350	276	0
13	0	165	351	215	0
14	0	164	356	200	0
15	0	164	358	198	0
16	0	201	335	199	0
17	0	244	324	204	0
18	0	279	348	204	0
19	0	335	418	201	0
20	0	382	440	200	0
21	0	393	487	200	0
22	0	391	521	168	0
23	0	400	569	154	0
24	0	395	581	154	0
25	0	399	578	154	0
26	0	427	585	155	0
27	0	457	576	127	0
28	0	463	580	107	0
29	0	463	609	106	0
30	0	483	647	107	0
31	0	---	670	107	---
Total	0	7364	14128	9334	147
Mean	0	245	456	301	5
Max.	0	483	670	688	106
Min.	0	0	324	106	0
A.F.	0	14610	28028	18510	290
Total 5 Months	----	61430	A.F.		

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

REPUBLICAN RIVER BASIN

COURTLAND CANAL from Republican River - 1986
 Gage Location: SW1/4SE1/4 Sec. 32-1-7 W.
 at Nebraska-Kansas State Line
 Measuring Device: Stage recorder
 Period of Record: 1954 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	454	623	85
2	0	0	422	629	70
3	0	0	370	629	16
4	0	0	372	629	16
5	0	0	370	614	12
6	0	0	372	541	12
7	0	0	366	498	8.7
8	0	0	326	424	14
9	0	63	290	323	17
10	0	154	292	319	15
11	0	109	305	316	16
12	0	118	298	267	0
13	0	127	299	195	0
14	0	130	307	174	0
15	0	128	298	169	0
16	0	154	285	168	0
17	0	195	272	172	0
18	0	226	274	167	0
19	0	278	340	167	0
20	0	333	376	167	0
21	0	352	422	167	0
22	0	360	468	143	0
23	0	368	498	125	0
24	0	370	504	126	0
25	0	364	504	130	0
26	0	370	504	130	0
27	0	396	512	108	0
28	0	412	516	87	0
29	0	412	534	86	0
30	0	429	585	86	0
31	0	---	614	85	---
Total	0	5848	12349	8464	281.7
Mean	0	195	398	273	9
Max.	0	429	614	629	85
Min.	0	0	272	85	0
A.F.	0	11600	24490	16790	560
Total 5 Months	---	---	53440	A.F.	---

Values furnished by U.S.G.S.

SUPERIOR CANAL from Republican River - 1986
 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 - 1986

Date	May	June	July	Aug.	Sept.
1	0	0	138	133	0
2	0	0	138	127	0
3	0	0	138	122	0
4	0	0	137	122	0
5	0	0	136	112	0
6	0	0	130	96	0
7	0	0	122	97	0
8	0	0	119	88	0
9	0	0	119	74	0
10	0	0	121	65	0
11	0	0	125	64	0
12	0	0	122	65	0
13	0	0	122	55	0
14	0	0	129	51	0
15	0	0	134	52	0
16	0	0	141	65	0
17	0	0	140	71	0
18	0	59	141	89	0
19	0	80	140	96	0
20	0	102	141	96	0
21	0	113	142	91	0
22	0	113	141	68	0
23	0	116	142	56	0
24	0	115	141	56	0
25	0	113	141	41	0
26	0	113	142	12	0
27	0	130	142	0	0
28	0	137	141	0	0
29	0	130	135	0	0
30	0	136	132	0	0
31	0	---	132	0	---
Total	0	1465	4164	2064	0
Mean	0	49	134	67	0
Max.	0	138	142	133	0
Min.	0	0	119	0	0
A.F.	0	2910	8260	4090	0
Total 5 Months	---	---	15260	A.F.	---

Appropriations: A-2691CR, A-4221, A-6223, A-6225R
 A-9723, A-9875, A-10266, A-13271,
 A-16100, A-16107

**MISCELLANEOUS DISCHARGE
MEASUREMENTS OF
RIVERS AND STREAMS**

1986

CHEYENNE RIVER BASIN
(HAT CREEK)

69

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>HAT CREEK</u>			<u>HAT CREEK</u>		
HAT CREEK, WEST NEAR HARRISON SE1/4NW1/4 SEC. 21-32-55 W.	09/26/86	0.50	MONROE CREEK ABOVE JORDAN RESERVOIR NW1/4NW1/4 SEC. 23-33-56 W.	09/26/86	0
HAT CREEK BELOW WEST HAT CREEK CANAL SE1/4NE1/4 SEC. 16-32-55 W.	09/26/86	0.71	SOW BELLY CREEK BELOW JIM CREEK JUNCTION SE1/4SE1/4 SEC. 4-33-55 W.	09/26/86	0.99
HAT CREEK, EAST NEAR HARRISON NE1/4NE1/4 SEC. 22-32-55 W.	09/26/86	0.22	SQUAW CREEK NEAR MONTROSE NW1/4SE1/4 SEC. 36-34-57 W.	09/25/86	0
HAT CREEK ABOVE COFFEE CANAL NW1/4NW1/4 SEC. 35-33-55 W.	09/26/86	1.9	CHERRY CREEK AT MERLO RESERVOIR SW1/4NE1/4 SEC. 29-33-54 W.	09/26/86	0
BOGGY CREEK BELOW WICKERSHAM DIVERSION NW1/4NW1/4 SEC. 31-33-54 W.	09/26/86	0	CHERRY CREEK NEAR MONTROSE NW1/4SW1/4 SEC. 32-34-54 W.	09/26/86	0
HAT CREEK BELOW COFFEE FLOOD CANAL SE1/4SE1/4 SEC. 11-33-55 W.	09/26/86	1.9	HAT CREEK NEAR MONTROSE NW1/4SW1/4 SEC. 18-34-54 W.	09/25/86	2.6
SOW BELLY CREEK NEAR HARRISON SE1/4SW1/4 SEC. 18-32-55 W.	09/26/86	2.7	ANTELOPE CREEK NEAR MONTROSE SE1/4SE1/4 SEC. 4-33-57 W.	09/25/86	0
SOW BELLY CREEK BELOW SOW BELLY CANAL SE1/4SW1/4 SEC. 7-30-55 W.	09/26/86	2.3	ANTELOPE CREEK, SOUTH BELOW D-537 NW1/4SE1/4 SEC. 26-34-57 W.	09/25/86	0.03
SOW BELLY CREEK BELOW ANDREWS SUPPLY CANAL SE1/4SW1/4 SEC. 5-32-55 W.	09/26/86	2.3	ANTELOPE CREEK NEAR MONTROSE SW1/4NW1/4 SEC. 12-34-56 W.	09/25/86	0
SOW BELLY CREEK ABOVE MONTGOMERY CANAL NE1/4SE1/4 SEC. 21-33-55 W.	09/26/86	0.46	WHITE HEAD CREEK ABOVE HAT CREEK JUNCTION NE1/4NE1/4 SEC. 4-34-54 W.	09/25/86	0.61
LITTLE RED CREEK ABOVE PRAIRIE DOG CREEK SW1/4SE1/4 SEC. 26-33-56 W.	09/25/86	0	HAT CREEK NEAR GEISERS BRIDGE SW1/4SE1/4 SEC. 28-35-54 W.	09/25/86	3.3
PRAIRIE DOG CREEK NEAR HARRISON NW1/4SE1/4 SEC. 17-33-55 W.	09/26/86	0	HAT CREEK NEAR ARDMORE, SOUTH DAKOTA NE1/4NW1/4 SEC. 22-35-54 W.	09/25/86	1.7
WARBONNET CREEK BELOW WARBONNET CANAL NW1/4SW1/4 SEC. 21-33-56 W.	09/25/86	1.1	INDIAN CREEK NEAR MONTROSE NW1/4NE1/4 SEC. 24-35-56 W.	09/25/86	0
JIM CREEK ABOVE HIGHLINE CANAL NE1/4SW1/4 SEC. 13-33-57 W.	09/25/86	0.23	LONG BRANCH CREEK NEAR ARDMORE, SOUTH DAKOTA SE1/4SE1/4 SEC. 23-35-54 W.	09/25/86	0
JIM CREEK ABOVE DOUT RESERVOIR NW1/4NW1/4 SEC. 18-33-56 W.	09/25/86	0			
JIM CREEK NEAR HARRISON SW1/4NW1/4 SEC. 8-33-56 W.	09/25/86	0			
MONROE CREEK NEAR HARRISON NW1/4NW1/4 SEC. 5-32-56 W.	09/25/86	0.86			
MONROE CREEK BELOW BIG MONROE CANAL SW1/4NE1/4 SEC. 33-33-56 W.	09/25/86	0.10			

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 HARRISON SW1/4SW1/4 SEC. 25-31-55 W.	05/21/86	1.3	SAND CREEK NEAR FORT ROBINSON NE1/4NE1/4 SEC. 34-33-53 W.	06/16/86	1.0
SPRING BRANCH CREEK, TRIB TO, WHITE RIVER SW1/4NW1/4 SEC. 34-31-54 W.	05/21/86	0.32	SPRING CREEK NEAR FORT ROBINSON SW1/4SW1/4 SEC. 20-32-52 W.	06/16/86	0.29
WHITE RIVER NEAR GLEN NE1/4NW1/4 SEC. 1-30-54 W.	05/21/86	9.2	SPRING CREEK NEAR CRAWFORD NE1/4NE1/4 SEC. 13-32-52 W.	06/16/86	0
DEEP CREEK NEAR GLEN SE1/4SE1/4 SEC. 32-31-53 W.	05/21/86	0.85	LITTLE COTTONWOOD CREEK NEAR CRAWFORD NE1/4NE1/4 SEC. 8-32-51 W.	06/16/86	6.7
DEADMAN CREEK ABOVE DEADMAN CANAL SE1/4SE1/4 SEC. 26-31-53 W.	05/21/86	1.7	ASH CREEK, WEST, NEAR CRAWFORD SW1/4SW1/4 SEC. 36-32-51 W.	06/02/86	2.0
WHITE RIVER NEAR FORT ROBINSON NW1/4NW1/4 SEC. 34-31-53 W.	05/21/86	14	ASH CREEK, EAST, BELOW BARRON CANAL SW1/4NW1/4 SEC. 32-32-50 W.	06/02/86	0.24
SOLDIERS CREEK ABOVE FORT ROBINSON RESERVOIR NW1/4NW1/4 SEC. 4-31-53 W.	05/21/86	4.8	ASH CREEK NEAR WHITNEY NW1/4NW1/4 SEC. 7-32-50 W.	06/16/86	5.6
SOLDIERS CREEK ABOVE FORT ROBINSON CANAL SW1/4NW1/4 SEC. 12-31-53 W.	05/21/86	2.2	INDIAN CREEK ABOVE Application 1822 SE1/4SW1/4 SEC. 3-31-50 W.	06/02/86	0.63
SOLDIERS CREEK BELOW SOLDIERS CANAL SE1/4NW1/4 SEC. 18-31-52 W.	05/21/86	3.0	INDIAN CREEK NEAR WHITNEY SE1/4SW1/4 SEC. 16-32-50 W.	06/16/86	2.2
WHITE RIVER BELOW WHITNEY DIVERSION NE1/4NE1/4 SEC. 26-32-52 W.	09/10/86	5.8	INDIAN CREEK NEAR WHITNEY SW1/4NW1/4 SEC. 4-32-50 W.	06/16/86	2.1
WHITE CLAY CREEK NEAR CRAWFORD NW1/4NE1/4 SEC. 2-31-52 W.	05/21/86	1.8	BIG COTTONWOOD CREEK NEAR WHITNEY SW1/4SW1/4 SEC. 22-33-50 W.	07/09/86	2.0
SQUAW CREEK NEAR CRAWFORD NE1/4SW1/4 SEC. 28-31-51 W.	05/21/86	1.6	WHITE RIVER NEAR CHADRON NE1/4NE1/4 SEC. 26-33-50 W.	09/10/86	18
SQUAW CREEK ABOVE SQUAW CREEK RESERVOIR SE1/4SE1/4 SEC. 12-31-52 W.	05/21/86	0.90	TRUNK BUTTE CREEK NEAR WHITNEY SW1/4NW1/4 SEC. 36-33-50 W.	07/09/86	1.2
SQUAW CREEK BELOW SQUAW CREEK RESERVOIR NW1/4NW1/4 SEC. 12-31-52 W.	05/21/86	0.86	DEAD HORSE CREEK NEAR CHADRON NW1/4NW1/4 SEC. 32-33-49 W.	07/09/86	2.1
SQUAW CREEK NW1/4NW1/4 SEC. 1-31-52 W.	05/21/86	0.86	CHADRON CREEK NEAR CHADRON NE1/4NW1/4 SEC. 36-32-49 W.	05/29/86	0.61
WHITE RIVER NEAR CRAWFORD NW1/4NE1/4 SEC. 19-32-51 W.	09/10/86	6.3	LONE TREE CREEK NEAR CHADRON SW1/4SE1/4 SEC. 4-33-49 W.	07/28/86	0
WHITE RIVER AT WHITNEY SE1/4NW1/4 SEC. 1-32-51 W.	09/10/86	17	BOHEMIAN CREEK NEAR CHADRON SE1/4SE1/4 SEC. 3-34-49 W.	07/09/86	0.66
LITTLE COTTONWOOD CREEK NEAR PINE BUTTE NE1/4NW1/4 SEC. 8-32-53 W.	06/16/86	2.5	RUSH CREEK NEAR CHADRON SW1/4NW1/4 SEC. 11-34-49 W.	07/09/86	0
LITTLE COTTONWOOD CREEK NEAR FORT ROBINSON SW1/4NE1/4 SEC. 8-32-52 W.	06/16/86	6.7	MADDEN CREEK NEAR CHADRON NW1/4SW1/4 SEC. 5-34-48 W.	07/28/86	0

WHITE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>WHITE RIVER</u>		
BIG BORDEAUX CREEK NW1/4NW1/4 SEC. 26-32-48 W.	07/07/86	0.33
BIG BORDEAUX CREEK NEAR CHADRON NW1/4SW1/4 SEC. 14-33-48 W.	08/13/86	3.7
LITTLE BORDEAUX CREEK BELOW HARTZELL CANAL NW1/4NW1/4 SEC. 13-33-48 W.	08/13/86	2.5
BIG BORDEAUX CREEK BELOW THOMAS CANAL SE1/4SE1/4 SEC. 34-34-48 W.	08/13/86	8.2
WHITE RIVER, TRIB TO NEAR CHADRON SW1/4SE1/4 SEC. 13-34-48 W.	09/10/86	0
WHITE RIVER NEAR STATE LINE NW1/4SE1/4 SEC. 6-34-47 W.	09/10/86	32
WHITE RIVER, TRIB TO NEAR STATE LINE NE1/4SW1/4 SEC. 5-34-47 W.	09/10/86	0
ALKALI CREEK NEAR STATE LINE SE1/4SE1/4 SEC. 30-35-47 W.	09/10/86	0
BEAVER CREEK NEAR BORDEAUX NE1/4NE1/4 SEC. 32-34-46 W.	08/27/86	1.2
LITTLE BEAVER CREEK NEAR BORDEAUX NW1/4SW1/4 SEC. 28-34-46 W.	08/27/86	0.12
WHITE CLAY CREEK NEAR RUSHVILLE SE1/4SE1/4 SEC. 2-33-45 W.	08/27/86	0.15
WHITE CLAY CREEK NEAR WHITE CLAY SW1/4SW1/4 SEC. 6-34-44 W.	08/27/86	1.3
LARABEE CREEK NEAR WHITE CLAY NE1/4SW1/4 SEC. 6-34-44 W.	08/27/86	3.0
PATTON CREEK NEAR WHITE CLAY NW1/4SW1/4 SEC. 30-35-44 W.	08/27/86	0.23
WHITE CLAY CREEK NEAR WHITE CLAY SE1/4SE1/4 SEC. 24-35-45 W.	08/27/86	5.0
WOUNDED KNEE CREEK NEAR WHITE CLAY SW1/4NE1/4 SEC. 30-35-42 W.	05/05/86	0.88

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>UPPER NIOBRARA RIVER</u>		
NIOBRARA RIVER, TRIB TO NEAR HARRISON SW1/4NW1/4 SEC. 17-30-56 W.	06/03/86 09/29/86	0 0	PINE CREEK NEAR RUSHVILLE SW1/4SW1/4 SEC. 27-30-44 W.	05/05/86	19
NIOBRARA RIVER SOUTH OF HARRISON SW1/4NE1/4 SEC. 9-29-56 W.	06/03/86	7.4	RUSH CREEK NEAR RUSHVILLE SE1/4SE1/4 SEC. 10-31-44 W.	05/05/86	0
NIOBRARA RIVER, TRIB TO, NEAR AGATE NW1/4SW1/4 SEC. 33-29-54 W.	06/03/86	0	ANTELOPE CREEK, TRIB TO NEAR GORDON SE1/4SE1/4 SEC. 22-33-42 W.	05/05/86	0
WHISTLE CREEK NEAR AGATE NW1/4NE1/4 SEC. 12-28-54 W.	06/03/86	0.02	ANTELOPE CREEK NEAR GORDON NE1/4SE1/4 SEC. 13-33-42 W.	05/05/86	0
DRY CREEK NEAR HEMINGFORD NE1/4SE1/4 SEC. 12-28-49 W.	09/29/86	0	ANTELOPE CREEK NW1/4NW1/4 SEC. 32-33-41 W.	05/05/86	0
PEBBLE CREEK AT DUNLAP SW1/4SE1/4 SEC. 8-29-48 W.	05/29/86	0.04	ANTELOPE CREEK SOUTHWEST OF GORDON SE1/4SE1/4 SEC. 21-32-40 W.	05/05/86	1.1
COTTONWOOD CREEK AT DUNLAP NE1/4NE1/4 SEC. 27-29-48 W.	05/29/86	0.81	<u>MIDDLE REACH OF THE NIOBRARA RIVER</u>		
BOX BUTTE CREEK, TRIB NEAR BEREA NE1/4NE1/4 SEC. 36-27-48 W.	09/29/86	0.10	COLEMAN CREEK NEAR NORDEN SE1/4SE1/4 SEC. 16-33-24 W.	07/16/86	0.34
BOX BUTTE CREEK, TRIB NEAR HEMINGFORD NE1/4SE1/4 SEC. 13-27-48 W.	09/29/86	0.03	MULESHOE CREEK NEAR NORDEN NW1/4NW1/4 SEC. 22-33-24 W.	07/16/86	1.9
BOX BUTTE CREEK NEAR BEREA SW1/4NW1/4 SEC. 7-26-47 W.	09/29/86	0	MCGUIRE CREEK NEAR NORDEN NE1/4NE1/4 SEC. 36-33-24 W.	07/16/86	0.65
BOX BUTTE CREEK NEAR DUNLAP NW1/4NW1/4 SEC. 16-28-46 W.	09/29/86	0.20	FAIRFIELD CREEK NEAR NORDEN NE1/4SE1/4 SEC. 31-33-23 W.	07/16/86	29
SNAKE CREEK, SOUTH BRANCH NEAR MARSLAND NE1/4NE1/4 SEC. 28-26-53 W.	09/29/86	0	MIDDLE CREEK, EAST NEAR NORDEN NE1/4NW1/4 SEC. 32-33-23 W.	07/16/86	0.14
SNAKE CREEK, NORTH BRANCH NEAR MARSLAND NW1/4NE1/4 SEC. 23-26-53 W.	09/29/86	0	MIDDLE CREEK NEAR NORDEN NE1/4NW1/4 SEC. 32-33-23 W.	07/16/86	1.0
SNAKE CREEK ABOVE KILPATRICK RESERVOIR NW1/4SE1/4 SEC. 31-25-51 W.	09/29/86	0	TURKEY CREEK NEAR NORDEN SW1/4SW1/4 SEC. 36-33-23 W.	07/16/86	2.0
POINT OF ROCKS CREEK NEAR ALLIANCE SW1/4SW1/4 SEC. 29-25-49 W.	09/29/86	0	CHIMNEY CREEK NEAR NORDEN SE1/4NE1/4 SEC. 6-32-22 W.	07/16/86	0.17
BEREA CREEK NEAR ALLIANCE NE1/4SE1/4 SEC. 16-25-48 W.	09/29/86	0	CUB CREEK NEAR NORDEN NW1/4SE1/4 SEC. 3-32-22 W.	07/16/86	2.2
SNAKE CREEK NEAR ALLIANCE NW1/4NW1/4 SEC. 6-24-49 W.	09/29/86	0	PLUM CREEK, NORTH BRANCH NEAR WOOD LAKE NW1/4NW1/4 SEC. 29-30-25 W.	07/16/86	2.6
SNAKE CREEK NEAR BRONCO LAKE SW1/4NE1/4 SEC. 17-24-48 W.	09/29/86	0	PLUM CREEK NEAR JOHNSTON NW1/4SW1/4 SEC. 14-30-24 W.	07/16/86	31
SNAKE CREEK NEAR ALLIANCE AIRPORT SE1/4SE1/4 SEC. 20-24-47 W.	09/29/86	0	ROCK CREEK NEAR SPRINGVIEW NW1/4SW1/4 SEC. 12-32-22 W.	07/16/86	1.9
			JEWETT CREEK NEAR SPRINGVIEW NW1/4SW1/4 SEC. 9-32-21 W.	07/16/86	0.60
			SKINNER CREEK NEAR SPRINGVIEW SW1/4SE1/4 SEC. 15-32-21 W.	07/16/86	0.11
			PROSSER CREEK NEAR SPRINGVIEW NE1/4SE1/4 SEC. 13-32-21 W.	07/16/86	0.14

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>MIDDLE REACH OF THE NIOBRARA RIVER</u>			<u>MIDDLE REACH OF THE NIOBRARA RIVER</u>		
THOMAS CREEK NEAR SPRINGVIEW NE1/4NE1/4 SEC. 20-32-20 W.	07/17/86	0	NIOBRARA RIVER, TRIBUTARY TO NEAR MARIAVILLE SE1/4NW1/4 SEC. 18-32-18 W.	07/17/86	0.04
BARNARD CREEK NEAR SPRINGVIEW NW1/4NW1/4 SEC. 21-32-20 W.	07/17/86	0.08	ROCK CREEK NEAR BASSETT SE1/4SW1/4 SEC. 33-32-18 W.	07/17/86	3.5
RICKMAN CREEK NEAR SPRINGVIEW NE1/4NW1/4 SEC. 22-32-20 W.	07/17/86	0.42	ROCK CREEK NEAR BASSETT SE1/4NE1/4 SEC. 29-32-18 W.	07/17/86	4.2
LONG PINE CREEK NEAR LONG PINE SW1/4NW1/4 SEC. 20-29-20 W.	07/16/86	13	WILLOW CREEK NEAR NEWPORT NW1/4SW1/4 SEC. 6-32-17 W.	07/17/86	1.4
WILLOW CREEK AT CAMP WITNESS SW1/4NW1/4 SEC. 17-30-20 W.	07/16/86	3.3	OAK CREEK NEAR NEWPORT SE1/4SW1/4 SEC. 6-32-17 W.	07/17/86	2.6
LONG PINE CREEK AT CAMP WITNESS NW1/4NW1/4 SEC. 17-30-20 W.	07/16/86	58	HOUGAN CREEK NEAR BROCKSBURG NE1/4SE1/4 SEC. 32-33-17 W.	07/17/86	1.3
LONG PINE CREEK AT PINE GLENN SW1/4SW1/4 SEC. 8-31-20 W.	07/16/86	92	ASH CREEK NEAR NEWPORT NW1/4NE1/4 SEC. 34-32-17 W.	07/17/86	7.4
BONE CREEK AT AINSWORTH NW1/4SW1/4 SEC. 23-30-22 W.	07/16/86	3.3	ASH CREEK NEAR MARIAVILLE NE1/4NE1/4 SEC. 5-32-17 W.	07/17/86	10
BONE CREEK NEAR LONG PINE SW1/4SW1/4 SEC. 34-31-21 W.	07/16/86	25	SIMMS CREEK NEAR BROCKSBURG NW1/4SW1/4 SEC. 26-33-17 W.	07/17/86	0.62
SAND DRAW CREEK NEAR AINSORTH NE1/4NE1/4 SEC. 6-30-22 W.	07/16/86	6.4	CLAY CREEK NEAR DUSTIN SE1/4SE1/4 SEC. 22-33-16 W.	08/06/86	0.67
SAND DRAW, ABOVE AINSWORTH IRRIGATION WASTEWAY NW1/4NW1/4 SEC. 29-31-21 W.	07/16/86	11	BEAVER CREEK NEAR STUART SE1/4SE1/4 SEC. 19-32-15 W.	08/06/86	4.1
SHORT PINE CREEK NEAR RIVERVIEW NE1/4NE1/4 SEC. 34-32-20 W.	07/17/86	0.64	BEAVER CREEK NEAR DUSTIN SW1/4NW1/4 SEC. 18-32-15 W.	08/06/86	4.8
BEEMAN CREEK NEAR SPRINGVIEW SW1/4NE1/4 SEC. 23-32-20 W.	07/17/86	0.81	BEAVER CREEK NEAR DUSTIN NW1/4NE1/4 SEC. 30-33-15 W.	08/06/86	15
WENTWORTH CREEK NEAR SPRINGVIEW SE1/4NW1/4 SEC. 24-32-20 W.	07/17/86	0	BEAVER CREEK ABOVE MOUTH NEAR DUSTIN NE1/4NW1/4 SEC. 17-33-15 W.	08/06/86	7.7
WYMAN CREEK NEAR SPRINGVIEW NE1/4SE1/4 SEC. 19-32-19 W.	07/17/86	1.1	<u>KEYA PAHA RIVER</u>		
SAND CREEK NEAR BASSETT SE1/4NW1/4 SEC. 30-32-19 W.	07/17/86	2.0	LDST CREEK NEAR NORDEN NW1/4NW1/4 SEC. 23-35-23 W.	06/09/86	4.1
ELK CREEK NEAR BASSETT NW1/4NW1/4 SEC. 29-32-19 W.	07/17/86	3.9	HOLT CREEK NEAR BURTON NE1/4NE1/4 SEC. 30-35-20 W.	06/09/86	5.3
COON CREEK NEAR BASSETT SE1/4SW1/4 SEC. 24-32-19 W.	07/17/86	5.8	JORDAN CREEK NEAR BURTON NE1/4SW1/4 SEC. 23-35-20 W.	06/09/86	0.78
LAUGHING WATER CREEK NEAR RIVERVIEW SE1/4SE1/4 SEC. 24-32-19 W.	07/17/86	3.7	KEYA PAHA RIVER NEAR BURTON NW1/4NE1/4 SEC. 23-35-20 W.	07/08/86	56
			BURTON CREEK NEAR SPRINGVIEW NE1/4NW1/4 SEC. 14-33-20 W.	07/16/86	0
			BURTON CREEK NEAR BURTON SE1/4SW1/4 SEC. 5-34-19 W.	06/16/86	8.3
			BUFFALO CREEK NEAR MILLS SW1/4SW1/4 SEC. 26-35-19 W.	06/16/86	0.73

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>KEYA PAHA RIVER</u>			<u>LOWER NIOBRARA RIVER</u>		
KEYA PAHA RIVER NEAR MILLS NE1/4SW1/4 SEC. 4-34-18 W.	07/08/86	63	EAGLE CREEK, EAST BRANCH, NEAR EMMETT NW1/4NE1/4 SEC. 31-31-12 W.	08/06/86	27
SPRING CREEK, TRIBUTARY TO NEAR MILLS SE1/4NE1/4 SEC. 30-34-18 W.	06/23/86	2.3	EAGLE CREEK NEAR MIDWAY SW1/4NW1/4 SEC. 4-31-12 W.	08/06/86	71
SPRING CREEK NEAR MILLS NE1/4NE1/4 SEC. 16-34-18 W.	06/23/86	11	HONEY CREEK NEAR MIDWAY SE1/4SW1/4 SEC. 26-31-12 W.	08/06/86	0
WOLF CREEK NEAR BROCKSBURG NW1/4NW1/4 SEC. 30-35-17 W.	06/17/86	0.34	REDBIRD CREEK NEAR O'NEILL SE1/4SW1/4 SEC. 23-30-11 W.	08/07/86	3.7
KEYA PAHA RIVER NEAR BROCKSBURG SW1/4SW1/4 SEC. 9-34-17 W.	07/08/86	78	REDBIRD CREEK, TRIB TO, NEAR O'NEILL SW1/4SE1/4 SEC. 23-30-11 W.	08/07/86	2.0
DAK CREEK NEAR BROCKSBURG NE1/4NE1/4 SEC. 34-34-17 W.	07/08/86	0.16	REDBIRD CREEK NEAR OPPORTUNITY NW1/4NE1/4 SEC. 12-31-11 W.	08/07/86	22
DAK CREEK, TRIBUTARY TO NEAR BROCKSBURG NE1/4SE1/4 SEC. 28-34-17 W.	07/08/86	0.07	BLACKBIRD CREEK NEAR MIDWAY SW1/4NW1/4 SEC. 14-31-11 W.	08/07/86 08/07/86	4.6 4.0
DAK CREEK, TRIBUTARY TO NEAR BROCKSBURG SW1/4SW1/4 SEC. 27-34-17 W.	07/08/86	0.18	SPRING CREEK NEAR SCOTTVILLE NW1/4NW1/4 SEC. 7-31-10 W.	08/07/86	1.7
<u>LOWER NIOBRARA RIVER</u>			LOUSE CREEK NEAR SCOTTVILLE SE1/4SW1/4 SEC. 36-32-10 W.	08/06/86	5.4
BIG SANDY CREEK NEAR STUART NE1/4NE1/4 SEC. 10-31-15 W.	08/06/86	16	SQUAW CREEK NEAR FISHELVILLE SW1/4SW1/4 SEC. 7-32-8 W.	08/06/86	3.0
BIG SANDY CREEK NEAR DUSTIN NW1/4SE1/4 SEC. 3-32-15 W.	08/06/86	36	STEEL CREEK NEAR FISHELVILLE SE1/4NE1/4 SEC. 18-32-8 W.	08/06/86	7.8
BIG SANDY CREEK NEAR DUSTIN SW1/4NE1/4 SEC. 12-33-14 W.	08/06/86	74	VERDIGRE CREEK, SO. BRANCH, NEAR ORCHARD NW1/4SE1/4 SEC. 9-28-8 W.	08/06/86	3.1
BRUSH CREEK NEAR ATKINSON NE1/4NW1/4 SEC. 1-31-14 W.	08/07/86	7.7	BIG SPRING CREEK, TRIBUTARY TO, NEAR ORCHARD NW1/4NW1/4 SEC. 23-28-8 W.	03/26/86 07/29/86	0.51 0.40
BRUSH CREEK, WEST FORK, NEAR ATKINSON NE1/4NE1/4 SEC. 4-31-14 W.	08/07/86	0.92	BIG SPRING CREEK NEAR ORCHARD NE1/4NE1/4 SEC. 22-28-8 W.	08/06/86	7.9
BRUSH CREEK, EAST FORK, NEAR ATKINSON SW1/4NW1/4 SEC. 30-32-13 W.	08/07/86	8.8	VERDIGRE CREEK, MID. BRANCH, NEAR VENUS NE1/4NE1/4 SEC. 13-29-9 W.	08/06/86	7.0
BRUSH CREEK NEAR CATALPA SW1/4NW1/4 SEC. 4-32-13 W.	08/06/86	14	VERDIGRE CREEK, MID. BRANCH, TRIBUTARY TO NEAR VENUS NE1/4NE1/4 SEC. 18-29-8 W.	08/06/86	0.51
TURKEY CREEK NEAR CATALPA NW1/4SW1/4 SEC. 28-33-12 W.	08/06/86	6.0	VERDIGRE CREEK, MID. BRANCH, NEAR VERDIGRE NW1/4SW1/4 SEC. 28-30-7 W.	08/06/86	16
EAGLE CREEK, MID BRANCH, NEAR ATKINSON NE1/4NE1/4 SEC. 9-30-13 W.	08/07/86	33	VERDIGRE CREEK, NO. BRANCH, NEAR STAR NE1/4SE1/4 SEC. 15-30-9 W.	08/06/86	10
EAGLE CREEK, NO. BRANCH, NEAR ATKINSON NE1/4NE1/4 SEC. 25-31-13 W.	08/06/86	8.4			
EAGLE CREEK, MIDDLE BRANCH NEAR EMMETT SW1/4NW1/4 SEC. 30-31-12 W.	08/06/86	28			

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>BAZILLE CREEK</u>			<u>BOW CREEK</u>		
BAZILE CREEK NEAR BRUNSWICK SE1/4SW1/4 SEC. 21-28-5 W.	06/04/86	6.6	EAST BOW CREEK NEAR ST. JAMES SW1/4NE1/4 SEC. 12-31-2 E.	09/03/86	19
BAZILE CREEK AT BAZILE MILLS SW1/4SE1/4 SEC. 4-29-5 W.	07/09/86	20	WEST BOW CREEK NEAR CROFTON NW1/4SW1/4 SEC. 11-31-2 W.	07/29/86	2.6
SPRING CREEK AT BAZILE MILLS NE1/4NE1/4 SEC. 9-29-5 W.	07/09/86	3.2	WEST BOW CREEK NEAR CONSTANCE NE1/4NW1/4 SEC. 3-31-1 W.	07/23/86	6.8
LITTLE BAZILE CREEK AT BLOOMFIELD SW1/4NW1/4 SEC. 10-30-3 W.	07/09/86	8.5	WEST BOW CREEK NEAR FORDYCE NW1/4NE1/4 SEC. 5-31-1 E.	07/23/86	14
<u>BEAVER CREEK</u>			WEST BOW CREEK NEAR BOW VALLEY SE1/4SW1/4 SEC. 29-32-2 E.	07/23/86	23
BEAVER CREEK NEAR ATEN SE1/4SE1/4 SEC. 21-33-1 W.	07/09/86	14	WEST BOW CREEK NEAR WYNDT NE1/4NE1/4 SEC. 16-32-2 E.	10/29/86	28
<u>ANTELOPE CREEK</u>			<u>PAPILLION CREEK</u>		
ANTELOPE CREEK NEAR MENOMINEE SE1/4SW1/4 SEC. 24-33-1 W.	07/09/86	6.3	PAPILLION CREEK, TRIBUTARY TO SOUTH BRANCH OF THE WEST BRANCH, NEAR PAPILLION NW1/4NE1/4 SEC. 23-14-11 E.	09/15/86	0.25
<u>BOW CREEK</u>					
BOW CREEK NEAR HARTINGTON NE1/4NE1/4 SEC. 14-30-1 W.	08/20/86	0.96			
BOW CREEK NEAR HARTINGTON SW1/4NW1/4 SEC. 12-30-1 E.	03/11/86	7.9			
PEARL CREEK NEAR COLERIDGE SW1/4SE1/4 SEC. 3-29-1 E.	07/30/86	1.7			
PEARL CREEK, TRIBUTARY TO, NEAR COLERIDGE SE1/4NE1/4 SEC. 25-30-1 E.	07/30/86	1.5			
PEARL CREEK NEAR HARTINGTON SE1/4SW1/4 SEC. 12-30-1 E.	03/11/86 07/30/86	13 10			
BOW CREEK AT HARTINGTON NW1/4SW1/4 SEC. 31-31-2 E.	08/20/86	14			
NORWEGIAN BOW CREEK AT HARTINGTON NW1/4NW1/4 SEC. 31-31-2 E.	08/20/86	6.6			
NORWEIGAN BOW CREEK NEAR HARTINGTON SW1/4SW1/4 SEC. 25-31-1 E.	08/20/86	5.5			
DEAD CREEK NEAR HARTINGTON NE1/4NE1/4 SEC. 32-31-2 E.	07/08/86 08/20/86	0 0			
BOW CREEK, TRIBUTARY TO, NEAR HARTINGTON NW1/4NW1/4 SEC. 33-31-2 E.	09/03/86	2.0			
EAST BOW CREEK NEAR HARTINGTON NW1/4NE1/4 SEC. 5-30-3 E.	09/03/86	6.3			
EAST BOW CREEK, TRIBUTARY TO, NEAR HARTINGTON NE1/4NW1/4 SEC. 5-30-3 E.	09/03/86	1.4			

NORTH PLATTE RIVER BASIN

Site and Location	Date	Discharge c.f.s.	Site and Location	Date	Discharge c.f.s.
<u>STATE LINE TO PUMPKIN CREEK</u>			<u>STATE LINE TO PUMPKIN CREEK</u>		
LANE DRAIN SW1/4SE1/4 SEC. 30-23-57 W.	02/11/86	1.5	SPOTTEDTAIL CREEK, WET SEC. 6-22-55 W.	10/07/86	12
	03/04/86	1.7		11/06/86	8.6
	04/02/86	1.8		12/03/86	9.5
	04/29/86	1.6	SCOTTSSLUFF DRAIN NO. 1 SEC. 25-22-55 W.	01/03/86	3.4
	05/13/86	1.9		02/12/86	3.3
	05/29/86	3.0		03/05/86	2.8
	06/10/86	4.7		04/01/86	3.7
	06/24/86	2.2		05/01/86	1.9
	07/08/86	1.7		05/07/86	1.9
	07/22/86	2.3		05/21/86	2.6
	08/05/86	2.5		05/28/86	2.7
	08/19/86	2.2		06/11/86	4.2
	09/16/86	3.5		06/17/86	2.2
09/30/86	4.3	07/01/86	2.8		
11/18/86	2.6	07/15/86	3.1		
12/03/86	2.2	07/31/86	4.2		
BALD DRAIN SW1/4NE1/4 SEC. 32-23-56 W.	01/08/86	2.8	08/13/86	5.1	
	02/11/86	1.7	08/28/86	4.0	
	03/11/86	0.98	09/11/86	4.6	
	04/02/86	1.5	09/25/86	6.3	
	04/29/86	1.1	10/07/86	2.8	
	05/05/86	1.1	11/04/86	2.1	
	05/20/86	21	12/04/86	2.2	
	06/03/86	26	SCOTTSSLUFF DRAIN NO. 2 SEC. 4-22-54 W.	02/12/86	3.2
	06/17/86	34		03/05/86	4.0
	06/30/86	29		04/01/86	3.5
	07/14/86	36		05/01/86	1.9
	07/28/86	38		05/15/86	4.6
	08/11/86	16		06/04/86	4.5
08/25/86	21	06/25/86		6.5	
09/08/86	39	07/09/86		7.4	
09/22/86	39	07/22/86		5.7	
10/07/86	2.5	08/07/86		8.5	
11/18/86	1.8	08/21/86	18		
12/02/86	1.6	09/04/86	13		
FANNING SEEP SEC. 28-23-56 W.	01/08/86	0	09/18/86	11	
	03/11/86	0	10/01/86	7.1	
	04/02/86	0	11/18/86	2.4	
	04/21/86	0	12/02/86	2.1	
	04/29/86	0	MELBETA DRAIN SEC. 13-21-54 W.	01/06/86	2.0
	05/20/86	0		02/12/86	4.4
	05/29/86	0		03/04/86	1.9
	06/17/86	0		04/02/86	1.9
	07/22/86	0		04/30/86	2.0
	08/12/86	0		10/02/86	4.0
	08/26/86	0		11/05/86	2.0
	09/16/86	0		12/04/86	2.0
	10/07/86	0		FAIRFIELD SEEP SEC. 18-21-53 W.	01/06/86
11/18/86	0	02/20/86			2.9
12/02/86	0	03/05/86	1.2		
SPOTTEDTAIL CREEK, WET SEC. 6-22-55 W.	01/08/86	7.6	04/02/86		0.65
	02/20/86	9.4	04/30/86		1.7
	03/04/86	8.4	05/07/86		1.9
	04/01/86	8.0	05/22/86		2.4
	05/01/86	7.2	06/12/86		7.5
	05/14/86	8.9	06/25/86		2.1
	05/28/86	8.9	07/09/86		5.0
	06/11/86	12	07/23/86	5.1	
	06/24/86	12	08/07/86	5.5	
	07/07/86	13	08/21/86	5.8	
	07/21/86	13	09/04/86	4.8	
	08/06/86	12	09/18/86	4.8	
	08/20/86	12	10/02/86	3.1	
09/03/86	14	11/18/86	1.9		
09/10/86	11	12/04/86	0.85		
09/24/86	12				

Site and Location	Date	Discharge c.f.s.	Site and Location	Date	Discharge c.f.s.
<u>STATE LINE TO PUMPKIN CREEK</u>			<u>PUMPKIN CREEK</u>		
ALLIANCE DRAIN SEC. 30-22-53 W.	04/30/86	7.6	GREENWOOD CREEK	02/25/86	4.0
	05/07/86	7.8	NEAR BRIDGEPORT	03/24/86	6.7
	05/15/86	8.0	SW1/4SW1/4 SEC. 26-19-50 W.	04/21/86	4.8
	05/22/86	2.5		05/21/86	2.8
	06/04/86	8.8		06/25/86	1.7
	06/18/86	9.1		07/23/86	0
	07/02/86	4.3		08/20/86	0
	07/16/86	5.0		09/24/86	0
	07/31/86	3.4	<u>PUMPKIN CREEK TO KINGSLEY DAM</u>		
	08/14/86	5.7	CEDAR CREEK NEAR BROADWATER	01/07/86	9.6
	08/28/86	4.2	SE1/4NE1/4 SEC. 11-18-48 W.	01/21/86	9.4
	09/11/86	7.1		01/29/86	9.2
	09/25/86	6.4		02/12/86	6.7
				03/04/86	10.0
				03/18/86	9.7
				03/31/86	9.5
				04/16/86	9.4
			04/29/86	9.3	
			10/07/86	22	
			11/06/86	8.5	
			12/03/86	9.0	
CLEVELAND DRAIN SEC. 6-20-52 W.	02/12/86	1.7			
	03/04/86	1.9			
	04/02/86	1.0			
	05/08/86	1.0			
	05/22/86	3.9			
	06/05/86	8.2			
	06/19/86	7.2			
	07/03/86	11			
	07/17/86	19			
	07/31/86	5.5	COLD WATER CREEK	01/23/86	3.5
	08/14/86	4.9	BELOW LISCO CANAL	02/26/86	3.4
	08/28/86	11	NE1/4NE1/4 SEC. 34-18-46 W.	03/21/86	4.0
	09/11/86	11		04/29/86	4.0
	09/25/86	17		10/07/86	0.97
	10/30/86	2.4		12/03/86	2.6
	12/02/86	1.7			
DeGRAW DRAIN SEC. 24-20-51 W.	01/07/86	3.2	RUSH CREEK NEAR LISCO	01/07/86	0
	01/28/86	6.0	NE1/4NW1/4 SEC. 17-17-45 W.	01/17/86	2.3
	02/11/86	3.7		01/23/86	0
	02/26/86	4.8		01/29/86	3.4
	03/10/86	3.0		02/26/86	3.3
	03/24/86	4.1		03/21/86	1.5
	04/07/86	4.5		04/23/86	1.6
	04/30/86	2.9		05/27/86	1.9
	05/15/86	2.5		06/24/86	2.3
	05/28/86	9.0		07/22/86	0.07
	06/12/86	21		08/26/86	0
	06/23/86	3.2	LOST CREEK NORTH OF OSHKOSH	02/26/86	0
	07/07/86	9.8	NE1/4SE1/4 SEC. 26-17-44 W.	03/21/86	0
	07/21/86	17		04/23/86	0
	08/01/86	11		07/31/86	0
	08/15/86	12		09/23/86	0.90
	08/29/86	12			
	09/12/86	12	BLUE CREEK ABOVE BLUE CREEK	04/24/86	91
	09/26/86	12	CANAL HEADGATE	04/28/86	85
	11/03/86	4.7	SEC. 33-17-42 W.	05/09/86	94
	12/04/86	3.7		05/19/86	107
DUGOUT CREEK, UPPER SEC. 20-20-50 W.	01/03/86	4.6	CLEAR CREEK NEAR LEWELLEN	01/06/86	8.1
	01/16/86	4.5	SE1/4SW1/4 SEC. 29-16-41 W.	01/23/86	8.1
	01/28/86	4.3		02/26/86	8.6
	01/30/86	4.0		03/21/86	8.9
	02/25/86	3.7		04/23/86	8.7
	03/10/86	3.2		05/29/86	9.0
	03/24/86	3.1		06/23/86	9.3
	04/07/86	3.1		07/28/86	3.8
	04/30/86	2.4		08/25/86	3.5
	10/09/86	9.1		09/29/86	8.0
	11/03/86	8.0		11/04/86	7.7
	12/03/86	5.6		12/02/86	7.5
<u>PUMPKIN CREEK</u>			OTTER CREEK NEAR LeMOYNE	01/06/86	21
GREENWOOD CREEK	01/09/86	6.1	SW1/4NE1/4 SEC. 5-15-40 W.	01/23/86	19
NEAR BRIDGEPORT	01/29/86	6.4			
SW1/4SW1/4 SEC. 26-19-50 W.					

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>		
OTTER CREEK NEAR LeMOYNE SW1/4NE1/4 SEC. 5-15-40 W.	02/24/86	21	SUTHERLAND POND DRAIN AT KEYSTONE SE1/4NW1/4 SEC. 1-14-38 W.	05/06/86	8.6
	03/21/86	19		05/20/86	6.2
	04/23/86	20		06/03/86	8.1
	05/29/86	22		07/01/86	9.9
	06/23/86	21		07/15/86	6.5
	07/28/86	21		07/29/86	6.8
	08/25/86	23		08/27/86	9.9
	09/29/86	20		09/10/86	8.6
	11/04/86	21		09/24/86	9.0
	12/02/86	21			
	12/03/86	3.9	WHITE TAIL CREEK NEAR KEYSTONE SE1/4SE1/4 SEC. 36-15-38 W.	01/14/86	27
SAND CREEK SE1/4SW1/4 SEC. 3-15-40 W.	01/06/86	3.6		04/21/86	28
	01/23/86	3.9		05/06/86	25
	02/24/86	3.8		05/20/86	30
	03/21/86	4.1		06/03/86	27
	04/23/86	3.8		06/17/86	28
	05/29/86	4.1		07/01/86	26
	06/23/86	2.8		07/15/86	23
	07/28/86	4.9		07/29/86	24
	08/25/86	4.3		08/12/86	26
	09/29/86	3.6		08/26/86	27
	11/04/86	3.7		09/09/86	26
				09/23/86	26
LONERGAN CREEK NEAR LeMOYNE SEC. 17-15-39 W.	01/06/86	5.7	SKUNK CREEK NEAR KEYSTONE SE1/4SE1/4 SEC. 1-14-37 W.	04/21/86	2.6
	01/23/86	5.2		05/06/86	2.3
	02/24/86	4.5		05/20/86	2.9
	03/21/86	4.2		06/03/86	2.6
	04/23/86	4.5		06/17/86	2.3
	05/29/86	4.8		07/01/86	0.32
	06/23/86	5.1		07/15/86	0.44
	07/28/86	6.5		07/29/86	2.6
	08/25/86	4.9		08/12/86	2.7
	09/29/86	5.6		08/26/86	0.12
	11/04/86	5.9		09/09/86	2.4
	12/03/86	5.3		09/23/86	1.9
<u>KINGSLEY DAM TO CONFLUENCE</u>			<u>GRAVEL CREEK</u>		
KINGSLEY DAM TOE DRAIN NO. 1 STATION 100 SEC. 3-14-38 W.	06/23/86	1.5	NW1/4SW1/4 SEC. 9-14-36 W.	04/21/86	2.5
	07/28/86	2.7		05/06/86	2.6
	08/25/86	1.9		05/20/86	2.9
	09/29/86	1.3		06/03/86	3.1
	12/03/86	1.3		06/17/86	3.5
KINGSLEY DAM TOE DRAIN NO. 2 STATION 80 SEC. 3-14-38 W.	06/23/86	3.7		07/01/86	2.8
	07/28/86	4.9		07/15/86	3.4
	08/25/86	4.1		07/29/86	2.4
	09/29/86	3.6		08/12/86	2.6
	12/03/86	3.9		08/26/86	2.6
KINGSLEY DAM TOE DRAIN NO. 3 STATION 70 SEC. 3-14-38 W.	06/23/86	2.2	SARBEN SLOUGH NEAR SARBEN SEC. 20-14-35 W.	04/24/86	8.5
	07/28/86	4.4		05/06/86	8.0
	08/25/86	3.3		05/13/86	8.7
	09/29/86	2.6		05/20/86	8.6
	12/03/86	2.1		05/27/86	8.6
KINGSLEY DAM TOE DRAIN NO. 4 STATION 60 SEC. 3-14-38 W.	06/23/86	1.2		06/03/86	7.5
	07/28/86	1.3		06/11/86	11
	08/25/86	0.93		06/17/86	8.0
	09/29/86	0.65		06/24/86	8.6
	12/03/86	0.91		07/02/86	9.8
KINGSLEY DAM TOE DRAIN STATION 30 SEC. 3-14-38 W.	12/03/86	0		07/08/86	11
SUTHERLAND POND DRAIN AT KEYSTONE SE1/4NW1/4 SEC. 1-14-38 W.	01/14/86	7.0		07/15/86	9.4
	04/21/86	4.8		07/22/86	8.6
				07/29/86	13
				08/05/86	9.0
				08/12/86	6.8
				08/19/86	6.3
				08/26/86	8.9
				09/02/86	7.8

NORTH PLATTE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge C.f.s.</u>
<u>KINGSLEY DAM TO CONFLUENCE</u>		
SARBEN SLOUGH NEAR SARBEN SEC. 20-14-35 W.	09/09/86	8.6
	09/16/86	8.4
	09/23/86	8.9
	09/30/86	8.9
CEDAR BRANCH CREEK NEAR NEVINS SEC. 17-14-35 W.	04/24/86	1.8
	05/06/86	1.5
	05/20/86	1.4
	06/03/86	1.7
	06/17/86	1.5
	07/15/86	1.7
	07/29/86	1.5
	08/12/86	1.5
	08/26/86	1.5
	09/09/86	1.6
09/23/86	1.7	
KEITH-LINCOLN COUNTY DRAIN NO. 2 NEAR SARBEN SEC. 24-14-35 W.	04/24/86	0
	05/06/86	0
	06/03/86	0
	06/17/86	0
	07/02/86	0
	07/15/86	0
	07/29/86	0
	08/12/86	0
	08/26/86	1.7
	09/09/86	0.38
09/23/86	0	
BIRDWOOD CREEK, NORTH FORK NEAR HERSHEY SW1/4SE1/4 SEC. 10-16-33 W.	11/14/86	70
BIRDWOOD CREEK, WEST FORK NEAR HERSHEY NE1/4NE1/4 SEC. 15-16-33 W.	11/14/86	56
LINCOLN COUNTY DRAIN NO. 2 NEAR SUTHERLAND SEC. 11-14-33 W.	04/24/86	3.0
	05/07/86	2.6
	05/21/86	4.2
	06/04/86	4.2
	06/18/86	4.5
	07/02/86	4.5
	07/16/86	5.8
	07/30/86	5.0
	08/13/86	4.3
	08/27/86	3.2
09/10/86	3.0	
09/24/86	3.0	

SOUTH 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>LODGEPOLE CREEK</u>			<u>LODGEPOLE CREEK</u>				
LODGEPOLE CREEK AT WYO-NEBR STATE LINE SE1/4NE1/4 SEC. 11-14-59 W.	01/28/86	4.0	LODGEPOLE CREEK NEAR POTTER NW1/4NW1/4 SEC. 11-14-52 W.	03/18/86	3.4		
	02/26/86	3.8		LODGEPOLE CREEK NEAR POTTER NE1/4NE1/4 SEC. 12-14-52 W.	03/18/86	4.4	
	03/17/86	4.2	03/31/86		3.8		
	04/08/86	5.5	05/08/86		3.9		
	05/09/86	2.2	06/17/86		4.6		
	06/13/86	1.8	07/10/86		4.0		
	07/11/86	0.15	LODGEPOLE CREEK NEAR POTTER SW1/4SW1/4 SEC. 11-14-51 W.		03/18/86	5.2	
	08/25/86	0			03/31/86	4.2	
	10/15/86	0			05/08/86	3.8	
	LODGEPOLE CREEK NEAR BUSHNELL NE1/4SE1/4 SEC. 8-14-58 W.	03/17/86	8.4	06/12/86	13		
LODGEPOLE CREEK NEAR BUSHNELL SE1/4SW1/4 SEC. 2-14-58 W.	03/17/86	5.6	07/09/86	3.8			
			LODGEPOLE CREEK ABOVE SUTTON PUMP SEC. 10-14-51 W.	01/03/86	4.2		
LODGEPOLE CREEK ABOVE OLIVER RESERVOIR SE1/4NE1/4 SEC. 33-15-57 W.	03/18/86	11	LODGEPOLE CREEK SOUTH OF BROWNSON SEC. 19-14-50 W.	01/03/86	0		
				01/28/86	0		
02/26/86	0.69						
03/19/86	0.32						
04/07/86	2.9						
05/07/86	1.3						
06/12/86	12						
07/09/86	2.1						
08/25/86	1.7						
09/08/86	1.7						
LODGEPOLE CREEK NEAR KIMBALL NW1/4NW1/4 SEC. 29-15-55 W.	01/28/86	7.2	12/18/86	1.1			
	02/26/86	13	LODGEPOLE CREEK NEAR SIDNEY NE1/4NE1/4 SEC. 29-14-50 W.	03/19/86	0		
	03/18/86	12		LODGEPOLE CREEK WEST OF SIDNEY SE1/4NE1/4 SEC. 34-14-50 W.	01/28/86	0	
	04/08/86	13			03/19/86	0	
	05/08/86	5.6			04/07/86	0	
	06/17/86	11			05/07/86	0	
	07/10/86	2.4			06/12/86	0	
	08/25/86	1.1			07/09/86	0	
	09/08/86	1.8			LODGEPOLE CREEK AT SIDNEY SW1/4SE1/4 SEC. 32-14-49 W.	03/19/86	0
	LODGEPOLE CREEK BELOW BENNETT RESERVOIR SE1/4SW1/4 SEC. 22-15-55 W.	03/18/86				9.7	04/07/86
08/27/86		0				05/07/86	0
LODGEPOLE CREEK, TRIB TO NEAR DIX SE1/4SE1/4 SEC. 20-15-54 W.	09/08/86	1.6	06/12/86			0	
	03/18/86	0	07/09/86	0			
LODGEPOLE CREEK NEAR DIX SE1/4SE1/4 SEC. 20-15-54 W.			03/18/86	9.4		LODGEPOLE CREEK AT SIDNEY	03/19/86
	LODGEPOLE CREEK NEAR DIX SW1/4NW1/4 SEC. 26-15-54 W.	01/28/86				0	
02/26/86	0	04/07/86	0				
03/18/86	0.16	05/07/86	0				
04/08/86	8.7	06/12/86	0				
05/08/86	3.5	07/09/86	0				
06/17/86	3.3	LODGEPOLE CREEK AT SIDNEY CITY PARK SEC. 6-13-49 W.	02/26/86	0			
07/10/86	0.21		03/19/86	0			
08/25/86	0		04/07/86	0			
09/08/86	0		05/07/86	0			
12/18/86	0		06/12/86	0			
LODGEPOLE CREEK NEAR DIX NW1/4NW1/4 SEC. 33-15-53 W.	03/18/86		0	07/09/86	0		
				LODGEPOLE CREEK NEAR SIDNEY SW1/4SW1/4 SEC. 34-14-49 W.	03/19/86	3.2	
LODGEPOLE CREEK NEAR POTTER SEC. 6-14-52 W.	01/28/86		0	LODGEPOLE CREEK ABOVE KRUEGER LAKE SEC. 31-14-48 W.	04/07/86	0	
	02/26/86		0		05/07/86	0	
	03/18/86		0		06/12/86	2.5	
	04/08/86	0	07/09/86		2.3		
	05/08/86	0	LODGEPOLE CREEK NEAR SIDNEY SE1/4NE1/4 SEC. 31-14-48 W.		03/19/86	0	
	06/17/86	0			LODGEPOLE CREEK NEAR SIDNEY NW1/4NW1/4 SEC. 34-14-48 W.	03/19/86	0
	07/10/86	0					
	08/25/86	0					
	09/08/86	0					
	12/18/86	0					

SOUTH PLATTE RIVER BASIN

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<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>LODGEPOLE CREEK</u>		
LODGEPOLE CREEK NEAR SUNDL SE1/4NE1/4 SEC. 36-14-48 W.	02/21/86	0
	03/19/86	0
	04/07/86	0
	05/07/86	0
	06/12/86	7.6
	07/09/86	0
	12/17/86	0
LODGEPOLE CREEK NEAR LODGEPOLE SW1/4SW1/4 SEC. 26-14-47 W.	03/19/86	0
LODGEPOLE CREEK SOUTHEAST OF LODGEPOLE SW1/4SW1/4 SEC. 32-14-46 W.	01/15/86	0.25
	02/21/86	0
	03/19/86	0.52
	04/07/86	0.10
	05/07/86	0.15
	06/12/86	0.10
	07/09/86	1.5
12/17/86	0	
LODGEPOLE CREEK NEAR LODGEPOLE SW1/4SW1/4 SEC. 33-14-46 W.	03/19/86	2.4
LODGEPOLE CREEK NEAR CHAPPELL NE1/4NE1/4 SEC. 12-13-46 W.	03/19/86	1.9
LODGEPOLE CREEK NEAR CHAPPELL NE1/4SE1/4 SEC. 7-13-45 W.	03/19/86	1.1
LODGEPOLE CREEK NEAR CHAPPELL NE1/4SW1/4 SEC. 22-13-45 W.	03/19/86	0.15
	04/07/86	0.23
	05/07/86	0.23
	06/12/86	0.10
	07/08/86	1.4
	12/17/86	0.45
LODGEPOLE CREEK NEAR CHAPPELL SEC. 21-13-45 W.	01/15/86	0
	02/21/86	0
LODGEPOLE CREEK AT RALTON NE1/4NW1/4 SEC. 12-12-45 W.	01/15/86	0
	02/21/86	0
	03/19/86	0.94
	04/07/86	2.2
	05/07/86	1.4
	06/13/86	70
	06/30/86	0.65
	07/29/86	1.5
	08/15/86	0.29
	09/12/86	0
	10/10/86	0
12/17/86	0	
<u>SOUTH PLATTE, LODGEPOLE CREEK TO CONFLUENCE</u>		
FREMONT SLOUGH ON HIGHWAY 83 SEC. 16-13-30 W.	01/06/86	24
	02/26/86	38
	03/10/86	29
	03/24/86	30
	04/02/86	66
	04/17/86	31
	10/01/86	18
	11/03/86	23
	12/10/86	25
FREMONT SLOUGH SEC. 17-13-29 W.	04/28/86	13
	05/12/86	9.3
	05/27/86	9.4
	06/09/86	9.2
	06/24/86	11
	07/07/86	6.5
	07/21/86	9.2
	08/04/86	6.7
	08/18/86	8.0
	09/15/86	7.8
10/01/86	8.7	

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>PLATTE RIVER, CONFLUENCE TO WOOD RIVER</u>			<u>PLATTE RIVER, CONFLUENCE TO WOOD RIVER</u>		
AIRPORT DRAIN SEC. 7-13-29 W.	04/24/86 05/06/86 05/27/86 06/10/86 06/24/86 07/08/86 07/22/86 08/05/86 08/19/86 09/16/86 10/01/86	25 27 17 19 33 26 30 33 32 31 32	SHELDON DRAIN NEAR GOTHENBURG SE1/4NE1/4 SEC. 14-11-26 W.	05/07/86 05/21/86 06/04/86 06/18/86 07/02/86 07/16/86 07/30/86 08/13/86 08/27/86 09/10/86	6.9 9.8 9.1 8.5 10 13 13 13 14 8.7
FLOCK DRAIN SEC. 8-13-29 W.	04/28/86 05/12/86 05/27/86 06/09/86 06/24/86 07/07/86 07/21/86 08/04/86 08/18/86 09/15/86 10/01/86	5.7 6.5 7.6 8.5 7.7 8.4 11 13 11 9.6 9.5	PLUM CREEK NEAR FARNUM SE1/4SE1/4 SEC. 32-9-25 W.	03/19/86	0
WHITE HORSE CREEK SEC. 5-13-29 W.	04/24/86 10/01/86	19 8.2	PLUM CREEK, NORTH NEAR FARNUM NW1/4SW1/4 SEC. 22-9-25 W.	03/19/86	0
MORAN CANYON CREEK NEAR LAKE MALDNEY SW1/4NW1/4 SEC. 34-13-29 W.	03/21/86	0	STUMP DITCH CREEK NEAR GOTHENBURG SW1/4SW1/4 SEC. 26-12-24 W.	03/20/86	0
MORAN CANYON CREEK NEAR TRI-COUNTY CANAL NE1/4NE1/4 SEC. 34-13-29 W.	03/21/86	0	PLUM CREEK NEAR EUSTIS NE1/4SW1/4 SEC. 20-8-23 W.	03/19/86	0
BULL DRAIN NEAR MAXWELL SEC. 20-13-28 W.	04/24/86 05/13/86 05/23/86 06/03/86 06/17/86 07/01/86 07/15/86 07/29/86 08/12/86 08/26/86 09/09/86 09/23/86 10/01/86	4.5 3.5 4.1 3.8 3.9 3.7 3.2 2.8 2.9 3.2 3.3 3.4 4.2	WOOD RIVER NEAR OCONTO NW1/4NW1/4 SEC. 32-14-21 W.	03/20/86	0
PANNEE CREEK SEC. 3-12-27 W.	04/24/86 05/13/86 05/23/86 06/03/86 06/17/86 07/01/86 07/15/86 07/29/86 08/12/86 08/26/86 09/09/86 09/23/86 10/01/86	11 8.4 12 9.2 7.2 6.8 10 9.4 7.1 5.9 7.4 8.0 7.9	WOOD RIVER NEAR EDDYVILLE NE1/4SE1/4 SEC. 17-12-20 W.	03/20/86	0
JEFFREY CANYON CREEK NEAR JEFFREY RESERVOIR SW1/4SE1/4 SEC. 2-11-27 W.	03/19/86	0	STREVER CREEK SOUTH OF OVERTON SEC. 1-8-20 W.	04/25/86 10/02/86	15 10
JEFFREY CANYON CREEK NEAR BRADY SW1/4SW1/4 SEC. 31-12-26 W.	03/19/86	0	DRY CREEK NEAR FUNK NW1/4NW1/4 SEC. 28-7-17 W.	03/21/86	5.8
			WOOD RIVER NEAR GLENWOOD PARK NW1/4SW1/4 SEC. 11-9-16 W.	03/20/86	8.5
			<u>PLATTE RIVER, WOOD RIVER TO LOUP RIVER</u>		
			SILVER CREEK NEAR HAVENS NW1/4SW1/4 SEC. 11-15-4 W.	04/21/86	42
			PRAIRIE CREEK NEAR ARCHER SW1/4SW1/4 SEC. 10-14-7 W.	04/21/86	30
			PRAIRIE SLOUGH NEAR ARCHER NE1/4NE1/4 SEC. 9-14-7 W.	04/21/86	11
			PRAIRIE CREEK NEAR FULLERTON NW1/4NW1/4 SEC. 31-15-6 W.	04/21/86	47
			PRAIRIE CREEK NEAR SILVER CREEK SW1/4SW1/4 SEC. 17-16-2 W.	04/21/86	86

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.	04/21/86	2.1	MESSENGER CREEK NEAR ORD SW1/4NW1/4 SEC. 25-19-13 W.	04/17/86	0.94
<u>SOUTH LOUP RIVER</u>			MIRA CREEK, NORTH BRANCH, NEAR NORTH LOUP NW1/4NW1/4 SEC. 28-18-13 W.	04/17/86	0.09
CEDAR CREEK AT POOLE NE1/4NE1/4 SEC. 35-12-15 W.	04/21/86	0.79	MIRA CREEK, SOUTH BRANCH, NEAR NORTH LOUP NW1/4SE1/4 SEC. 33-18-13 W.	04/17/86	0.25
SOUTH LOUP RIVER AT RAVENNA SW1/4NW1/4 SEC. 16-12-14 W.	04/21/86	207	FISH CREEK NEAR COATSFIELD SE1/4SW1/4 SEC. 31-17-11 W.	04/17/86	0.32
MUD CREEK NEAR LITCHFIELD NW1/4SW1/4 SEC. 16-12-14 W.	07/08/86	8.4	MUNSON CREEK NEAR ELBA SW1/4SE1/4 SEC. 28-16-11 W.	04/17/86	4.5
<u>LOUP RIVER, SOUTH LOUP RIVER TO NORTH LOUP RIVER</u>			NORTH LOUP RIVER, TRIB. TO, NEAR ELBA NW1/4NE1/4 SEC. 24-15-11 W.	04/17/86	2.1
OAK CREEK AT ASHTON SW1/4SE1/4 SEC. 22-15-13 W.	04/21/86	11	<u>LOWER LOUP RIVER ABOVE CEDAR RIVER</u>		
OAK CREEK AT DANNEBROG SE1/4SW1/4 SEC. 2-13-11 W.	04/21/86	32	SPRING CREEK AT CUSHING NE1/4SW1/4 SEC. 5-15-9 W.	04/21/86	11
<u>NORTH LOUP RIVER</u>			ELK CREEK NEAR PALMER SE1/4NW1/4 SEC. 23-15-8 W.	04/21/86	3.8
NORTH LOUP RIVER NEAR WHITMAN SE1/4NW1/4 SEC. 20-28-35 W.	05/14/86	3.2	HORSE CREEK NEAR FULLERTON SE1/4SW1/4 SEC. 33-16-7 W.	04/21/86	1.2
CALAMUS RIVER BELOW CALAMUS RESERVOIR SE1/4SW1/4 SEC. 31-22-16 W.	04/02/86	74	<u>CEDAR RIVER</u>		
TURTLE CREEK, NORTH BRANCH, NEAR ELYRIA NW1/4NE1/4 SEC. 34-20-15 W.	04/17/86	0.14	BIG CEDAR CREEK NEAR SWAN LAKE NE1/4NE1/4 SEC. 8-24-15 W.	04/17/86 05/22/86	15 0.41
TURTLE CREEK, SOUTH BRANCH, NO. 1 NEAR ELYRIA SW1/4SW1/4 SEC. 9-19-15 W.	01/07/86 02/11/86 03/05/86 04/11/86 04/17/86 05/12/86 05/30/86 06/27/86 07/25/86 08/19/86 09/17/86 10/17/86 11/13/86 12/10/86	0 0 0 0 0 0 0 0 0 0 0 0 0 0	BIG CEDAR CREEK NEAR DUMAS NE1/4NE1/4 SEC. 28-24-14 W.	05/22/86	2.8
TURTLE CREEK, SOUTH BRANCH, TRIB. TO, NO. 2 NEAR ORD SW1/4NW1/4 SEC. 8-19-15 W.	01/07/86 02/11/86 03/05/86 04/11/86 04/17/86 05/12/86 05/30/86 06/27/86 07/25/86 08/19/86 09/17/86 10/17/86 11/13/86 12/10/86	0 0 0 0 0 0 0 0 0 0 0 0 0 0	LITTLE CEDAR CREEK NEAR SWAN LAKE SE1/4NE1/4 SEC. 29-24-15 W.	05/22/86	0.99
			LITTLE CEDAR CREEK NEAR SWAN LAKE SE1/4SE1/4 SEC. 27-24-15 W.	05/22/86	12
			CEDAR CREEK NEAR GABLES SE1/4SE1/4 SEC. 32-23-13 W.	05/22/86	42
			CEDAR CREEK AT ERICSON SW1/4SW1/4 SEC. 15-21-12 W.	05/22/86	120
			CEDAR RIVER NEAR ERICSON SE1/4SE1/4 SEC. 25-21-12 W.	05/22/86	130
			CEDAR RIVER AT PRIMROSE NE1/4NE1/4 SEC. 17-19-8 W.	05/22/86	208
			CEDAR RIVER AT CEDAR RAPIDS SE1/4SE1/4 SEC. 5-18-7 W.	05/22/86	207
			CEDAR RIVER AT BELGRADE SE1/4NE1/4 SEC. 2-17-7 W.	05/22/86	240
DANE CREEK AT ORD NW1/4NW1/4 SEC. 20-19-14 W.	04/17/86	0.40	<u>LOWER LOUP RIVER BELOW CEDAR RIVER</u>		
			LOOKING GLASS CREEK NEAR GENOA SE1/4NE1/4 SEC. 30-18-3 W.	06/09/86	2.1

PLATTE RIVER BASIN
(LOUP RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>LOWER LOUP RIVER BELOW CEDAR RIVER</u>		
LOOKING GLASS CREEK NEAR MONROE NW1/4NE1/4 SEC. 8-17-3 W.	06/09/86	14
LOUP RIVER, TRIBUTARY TO, NEAR MONROE NE1/4SE1/4 SEC. 2-17-3 W.	06/09/86	1.2
CHERRY CREEK NEAR MONROE SE1/4NE1/4 SEC. 25-18-3 W.	06/09/86	0
CHERRY CREEK NEAR MONROE NW1/4NE1/4 SEC. 6-17-2 W.	06/09/86	0
LOUP RIVER, TRIBUTARY TO, NEAR MONROE SE1/4SE1/4 SEC. 20-18-2 W.	06/09/86	0
LOUP RIVER, TRIBUTARY TO, NEAR MONROE NE1/4NW1/4 SEC. 34-18-2 W.	06/09/86	16

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>		
PLATTE RIVER, TRIBUTARY TO, NEAR COLUMBUS SE1/4NW1/4 SEC. 8-17-1 E.	06/12/86	8.0
CLEAR CREEK NEAR SHELBY SW1/4NW1/4 SEC. 36-16-2 W.	05/07/86	13
CLEAR CREEK NEAR BELLWOOD NW1/4SW1/4 SEC. 7-16-2 E.	05/07/86 10/28/86	107 139
WILSON CREEK NEAR BELLWOOD NE1/4NE1/4 SEC. 11-16-1 E.	05/07/86 10/28/86	4.9 6.6
BONE CREEK NEAR OCTAVIA NW1/4SW1/4 SEC. 35-17-3 E.	05/06/86	14
SHELL CREEK NEAR LINDSAY SW1/4SE1/4 SEC. 18-20-3 W.	06/04/86	3.9
ELM CREEK AT PLATTE CENTER NW1/4SE1/4 SEC. 13-18-2 W.	06/12/86	1.4
SHELL CREEK NEAR PLATTE CENTER NW1/4NW1/4 SEC. 29-18-1 W.	06/12/86	21
LOSEKE CREEK NEAR RICHLAND SW1/4SE1/4 SEC. 13-18-1 E.	06/12/86	11
LOST CREEK ABOVE LOUP POWER CANAL SW1/4SW1/4 SEC. 16-17-1 E.	06/12/86	0
LOST CREEK NEAR COLUMBUS NW1/4SW1/4 SEC. 25-17-1 E.	06/12/86	5.1
SKULL CREEK AT LINWOOD NE1/4SW1/4 SEC. 26-17-4 E.	05/07/86	28

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 SW1/4SW1/4 SEC. 5-29-17 W.	09/04/86	0.16	BELMAR CREEK AT NELIGH NW1/4SW1/4 SEC. 21-25-6 W.	06/24/86	0.11
ELKHORN RIVER, SOUTH BRANCH, NEAR STUART SE1/4SE1/4 SEC. 5-30-16 W.	09/04/86	1.1	CEDAR CREEK NEAR ELGIN SW1/4SW1/4 SEC. 2-23-6 W.	04/24/86	2.4
ELKHORN RIVER, NORTH BRANCH, NEAR STUART SE1/4NE1/4 SEC. 32-31-16 W.	09/04/86	0	WEST CEDAR CREEK NEAR ELGIN SE1/4NE1/4 SEC. 4-23-6 W.	04/24/86	3.9
KEEGAN CREEK NEAR STUART SE1/4SE1/4 SEC. 20-30-15 W.	09/04/86	0	CEDAR CREEK AT OAKDALE NW1/4NW1/4 SEC. 12-24-6 W.	04/24/86	25
DRY CREEK NEAR ATKINSON NE1/4NE1/4 SEC. 8-29-14 W.	09/04/86	0.64	ELM CREEK NEAR OAKDALE NW1/4SW1/4 SEC. 8-24-5 W.	04/24/86	0.01
HOLT CREEK NEAR ATKINSON NW1/4NW1/4 SEC. 28-28-14 W.	09/04/86	36	TRUEBLOOD CREEK NEAR OAKDALE SW1/4SE1/4 SEC. 33-25-5 W.	08/22/86	0.09
DRY CREEK NEAR AMELIA SW1/4NW1/4 SEC. 35-27-14 W.	09/04/86	12	SAINT CLAIR CREEK NEAR OAKDALE NW1/4SW1/4 SEC. 9-24-5 W.	04/24/86 04/24/86	0.45 1.1
DRY CREEK, TRIBUTARY TO, NEAR AMELIA SE1/4SW1/4 SEC. 34-27-14 W.	09/04/86	3.0	GILES CREEK NEAR TILDEN SE1/4SE1/4 SEC. 13-24-5 W.	08/22/86	2.6
DRY CREEK NEAR O'NEILL SW1/4SW1/4 SEC. 8-28-11 W.	08/20/86	15	AL HOPKINS CREEK NEAR TILDEN NE1/4NE1/4 SEC. 12-24-5 W.	08/22/86	0.31
ELKHORN RIVER, TRIBUTARY TO, NEAR PAGE NW1/4NW1/4 SEC. 7-27-9 W.	08/20/86	0	DRY CREEK NEAR TILDEN NW1/4SE1/4 SEC. 21-24-4 W.	03/10/86	2.0
WILLOW SWAMP CREEK NEAR EWING SE1/4SE1/4 SEC. 13-27-10 W.	08/20/86	1.8	BUFFALO CREEK AT MEADOW GROVE NW1/4NW1/4 SEC. 24-24-4 W.	03/10/86	7.5
ELKHORN RIVER, SOUTH FORK, NEAR CHAMBERS NW1/4NW1/4 SEC. 6-26-11 W.	09/04/86	9.5	DEER CREEK NEAR MEADOW GROVE NE1/4NE1/4 SEC. 30-24-3 W.	03/10/86	4.2
ELKHORN RIVER, SOUTH FORK, TRIBUTARY TO, NEAR CHAMBERS NW1/4SW1/4 SEC. 6-25-11 W.	09/04/86	0.16	BATTLE CREEK NEAR BATTLE CREEK SW1/4NW1/4 SEC. 31-24-2 W.	06/06/86	18
CACHE CREEK NEAR GOOSE LAKE NE1/4NW1/4 SEC. 29-25-11 W.	09/04/86	0.42	ELKHORN RIVER, TRIBUTARY TO, NEAR BATTLE CREEK NW1/4SW1/4 SEC. 34-24-2 W.	03/06/86	3.8
CACHE CREEK NEAR EWING SW1/4NE1/4 SEC. 13-26-9 W.	08/20/86	10	ELKHORN RIVER, TRIBUTARY TO, NEAR NORFOLK SE1/4NW1/4 SEC. 6-23-1 W.	06/06/86	0.99
CLEARWATER CREEK NEAR EWING SW1/4SW1/4 SEC. 33-25-9 W.	08/20/86	7.0	ELKHORN RIVER, TRIBUTARY TO, NEAR NORFOLK SE1/4NW1/4 SEC. 5-23-1 W.	06/06/86	4.0
CLEARWATER CREEK NEAR CLEARWATER NW1/4SW1/4 SEC. 30-25-8 W.	08/22/86	15			
HACKBERRY CREEK NEAR CLEARWATER SE1/4NW1/4 SEC. 32-26-7 W.	08/22/86	0	<u>NORTH FORK OF THE ELKHORN RIVER</u>		
ANTELOPE CREEK NEAR NELIGH NW1/4SW1/4 SEC. 24-25-7 W.	06/24/86	0.78	ELKHORN RIVER, NORTH FORK, NEAR OSMOND SW1/4NE1/4 SEC. 31-28-2 W.	06/20/86 06/26/86 07/14/86 07/24/86 07/31/86 08/11/86 08/29/86 09/30/86	10 5.2 8.0 3.8 3.0 3.5 3.5 8.5
HALL CREEK AT NELIGH NE1/4SE1/4 SEC. 18-25-6 W.	06/24/86	0			

PLATTE RIVER BASIN
(ELKHORN RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>	<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>NORTH FORK OF THE ELKHORN RIVER</u>			<u>MIDDLE REACH OF THE ELKHORN RIVER</u>		
ELKHORN RIVER, NORTH FORK, NEAR OSMOND NE1/4SE1/4 SEC. 36-28-3 W.	06/26/86 07/14/86 07/24/86 07/31/86 08/11/86 08/29/86 09/30/86	6.3 8.2 3.8 3.3 4.1 3.4 9.9	ELKHORN RIVER, TRIBUTARY TO, NEAR STANTON SW1/4SW1/4 SEC. 26-23-1 E.	04/26/86 05/25/86	6.2 2.7
ELKHORN RIVER, NORTH FORK, NEAR OSMOND NW1/4NW1/4 SEC. 1-27-3 W.	06/20/86 06/26/86 07/14/86 07/24/86 07/31/86 08/11/86 08/29/86 09/30/86	12 9.5 12 6.1 6.3 6.5 6.0 12	NORTH TAYLOR CREEK NEAR MADISON NW1/4NE1/4 SEC. 24-22-2 W.	03/10/86	0.42
ELKHORN RIVER, WEST BRANCH OF THE NORTH FORK, NEAR OSMOND NE1/4NW1/4 SEC. 2-27-3 W.	06/26/86	1.8	TAYLOR CREEK AT MADISON SE1/4NW1/4 SEC. 32-22-1 W.	03/10/86	16
BRESLAU CREEK NEAR BRESLAU NE1/4NW1/4 SEC. 4-27-3 W.	06/26/86	0.38	MERIDAN CREEK NEAR MADISON SE1/4SE1/4 SEC. 12-21-1 W.	06/04/86	7.0
DRY CREEK AT FOSTER NW1/4NE1/4 SEC. 33-27-3 W.	06/04/86	12	SAND CREEK NEAR STANTON SW1/4SW1/4 SEC. 16-22-1 E.	04/25/86 04/25/86	1.1 62
DRY CREEK NEAR PIERCE SW1/4SW1/4 SEC. 10-26-2 W.	06/04/86	18	BUTTERFLY CREEK NEAR STANTON SW1/4SE1/4 SEC. 32-23-2 E.	04/25/86	4.0
YANKTON SLOUGH NEAR PIERCE SW1/4SW1/4 SEC. 13-26-2 W.	06/04/86	6.2	MASKENTHINE CREEK AT STANTON SE1/4SW1/4 SEC. 20-23-2 E.	04/26/86 04/26/86	1.7 1.6
WILLOW CREEK NEAR PLAINVIEW NE1/4NE1/4 SEC. 20-26-4 W.	06/25/86	1.9	INDIAN CREEK NEAR STANTON NW1/4NW1/4 SEC. 21-23-2 E.	04/25/86	0.87
WILLOW CREEK NEAR FOSTER NW1/4NE1/4 SEC. 4-25-3 W.	06/25/86	14	CEDAR CREEK NEAR STANTON NW1/4SW1/4 SEC. 19-23-2 E.	04/25/86	4.0
WILLOW CREEK ABOVE RESERVOIR SW1/4SE1/4 SEC. 2-25-3 W.	06/25/86	14	PAYNE CREEK NEAR STANTON SW1/4NE1/4 SEC. 12-23-2 E.	04/26/86	2.9
WILLOW CREEK, TRIBUTARY TO, NEAR PIERCE SE1/4SW1/4 SEC. 30-26-2 W.	06/25/86	0.30	HUMBURG CREEK NEAR PILGER SW1/4SW1/4 SEC. 6-24-3 E.	05/05/86	10
WILLOW CREEK BELOW WILLOW CREEK DAM SW1/4SE1/4 SEC. 33-26-2 W.	06/25/86	24	HUMBURG CREEK, SOUTH BRANCH, NEAR PILGER SE1/4NE1/4 SEC. 24-24-2 E.	05/05/86	5.3
WILLOW CREEK NEAR PIERCE SE1/4NE1/4 SEC. 33-26-2 W.	06/25/86	25	HUMBURG CREEK NEAR PILGER SE1/4SE1/4 SEC. 28-24-3 E.	05/05/86	20
WILLOW CREEK AT PIERCE SE1/4SE1/4 SEC. 27-26-2 W.	06/25/86	28	SAND CREEK NEAR WISNER SE1/4SE1/4 SEC. 29-24-4 E.	05/05/86	5.2
ELKHORN RIVER, TRIBUTARY TO, NORTH FORK, NEAR HADAR NW1/4NE1/4 SEC. 19-25-1 W.	05/12/86	0.17	LEISY CREEK NEAR WISNER NW1/4SE1/4 SEC. 10-23-4 E.	05/05/86	1.1
HADAR CREEK AT HADAR NE1/4NW1/4 SEC. 32-25-1 W.	06/12/86	0.29	ROCK CREEK NEAR WISNER NE1/4NE1/4 SEC. 11-22-4 E.	05/13/86	5.5
SPRING CREEK NEAR NORFOLK SE1/4SW1/4 SEC. 11-24-1 W.	03/10/86	10	ROCK CREEK NEAR BEEMER SW1/4SE1/4 SEC. 33-23-5 E.	05/13/86	16
<u>MIDDLE REACH OF THE ELKHORN RIVER</u>			PLUM CREEK NEAR ALTONA SE1/4SE1/4 SEC. 7-24-5 E.	05/05/86	25
ELKHORN RIVER, TRIBUTARY TO, NEAR STANTON SW1/4NE1/4 SEC. 29-23-1 E.	04/25/86	2.7	KANE CREEK NEAR WISNER SE1/4SW1/4 SEC. 8-24-5 E.	05/05/86	6.4
			DRY CREEK NEAR WISNER SE1/4SW1/4 SEC. 22-24-5 E.	05/05/86	3.1
			PLUM CREEK, TRIBUTARY TO, NEAR WISNER NE1/4SE1/4 SEC. 34-24-5 E.	05/05/86	4.6

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>MIDDLE REACH OF THE ELKHORN RIVER</u>		
PLUM CREEK NEAR WISNER NW1/4NW1/4 SEC. 2-23-5 E.	06/26/86 06/26/86	26 0.48	WILLOW CREEK NEAR WEST POINT NE1/4NW1/4 SEC. 16-21-7 E.	05/13/86 11/05/86	3.9 3.5
PLUM CREEK NEAR WEST POINT SE1/4SW1/4 SEC. 4-22-6 E.	06/26/86	33	CUMING CREEK NEAR CROWELL SE1/4SE1/4 SEC. 29-21-7 E.	11/05/86	25
WORTMANS CREEK NEAR WEST POINT NW1/4NW1/4 SEC. 14-21-6 E.	05/13/86	0.78	CUMING CREEK NEAR SCRIBNER SE1/4SE1/4 SEC. 8-20-7 E.	11/05/86	27
FISHER CREEK NEAR WEST POINT NE1/4NE1/4 SEC. 8-21-6 E.	05/13/86	3.0	CUMING CREEK NEAR SCRIBNER SE1/4SW1/4 SEC. 29-20-7 E.	11/05/86	31
FISHER CREEK, TRIBUTARY TO, NEAR WEST POINT NE1/4SE1/4 SEC. 8-21-6 E.	05/13/86	2.7	PEBBLE CREEK NEAR ALOYS SW1/4SW1/4 SEC. 14-21-5 E.	05/13/86	9.3
COFFEE CREEK NEAR WEST POINT SW1/4SE1/4 SEC. 28-21-6 E.	05/13/86	0.64	<u>LOGAN CREEK</u>		
CUMING CREEK NEAR PENDER SW1/4SW1/4 SEC. 34-24-6 E.	11/05/86	1.1	MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR RANDOLPH SE1/4SW1/4 SEC. 14-28-1 W.	11/04/86	0.01
CUMING CREEK NEAR BEEMER SE1/4SE1/4 SEC. 11-23-6 E.	11/05/86	3.3	MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR RANDOLPH SW1/4SW1/4 SEC. 23-28-1 W.	11/04/86	0.13
CUMING CREEK NEAR BEEMER SE1/4SE1/4 SEC. 30-23-7 E.	05/13/86 11/05/86	4.9 3.1	MIDDLE LOGAN CREEK NEAR RANDOLPH NE1/4SE1/4 SEC. 26-28-1 W.	11/04/86	0.15
CUMING CREEK NEAR WEST POINT SW1/4SW1/4 SEC. 9-22-7 E.	11/05/86	8.7	MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR RANDOLPH SE1/4NW1/4 SEC. 25-28-1 W.	11/04/86	0.03
CUMING CREEK NEAR WEST POINT NE1/4NE1/4 SEC. 28-22-7 E.	11/05/86	12	MIDDLE LOGAN CREEK AT RANDOLPH NW1/4NW1/4 SEC. 29-28-1 E.	11/04/86	0.62
CUMING CREEK, TRIBUTARY TO, NEAR WEST POINT SE1/4SE1/4 SEC. 15-22-7 E.	11/05/86	1.6	MIDDLE LOGAN CREEK, TRIBUTARY TO, AT RANDOLPH SE1/4SE1/4 SEC. 19-28-1 E.	11/04/86	0.76
TRIBUTARY TO CUMING CREEK NEAR WEST POINT SE1/4SE1/4 SEC. 27-22-7 E.	11/05/86	2.5	MIDDLE LOGAN CREEK, TRIBUTARY TO, AT RANDOLPH NW1/4SW1/4 SEC. 20-28-1 E.	11/04/86	0
CUMING CREEK NEAR WEST POINT SE1/4SE1/4 SEC. 34-22-7 E.	11/05/86	15	MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR MAGNET NE1/4SE1/4 SEC. 34-29-1 W.	11/04/86	0
CUMING CREEK NEAR WEST POINT NW1/4NW1/4 SEC. 15-21-7 E.	11/05/86	17	MIDDLE LOGAN CREEK TRIBUTARY, TRIBUTARY TO, NEAR RANDOLPH NW1/4NW1/4 SEC. 36-29-1 W.	11/04/86	0
WILLOW CREEK NEAR WEST POINT SW1/4SE1/4 SEC. 13-22-6 E.	11/05/86	0	MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR MAGNET SW1/4SW1/4 SEC. 25-29-1 W.	11/04/86	0.02
WILLOW CREEK NEAR WEST POINT NE1/4NE1/4 SEC. 25-22-6 E.	11/05/86	0.56	MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR RANDOLPH SE1/4SW1/4 SEC. 30-29-1 E.	11/04/86	0.05
WILLOW CREEK NEAR WEST POINT NW1/4NW1/4 SEC. 5-21-7 E.	11/05/86	1.7	MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR RANDOLPH NW1/4NW1/4 SEC. 5-28-1 E.	11/04/86	0.53
TRIBUTARY TO WILLOW CREEK NEAR WEST POINT NW1/4NW1/4 SEC. 29-22-7 E.	11/05/86	0	MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR RANDOLPH SW1/4SE1/4 SEC. 32-29-1 E.	11/04/86	0.09
TRIBUTARY TO WILLOW CREEK NEAR WEST POINT SE1/4SW1/4 SEC. 32-22-7 E.	11/05/86	0.58			

PLATTE RIVER BASIN
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<u>LOGAN CREEK</u>			<u>LOGAN CREEK</u>		
MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR RANDOLPH SW1/4SW1/4 SEC. 15-28-1 E.	11/04/86	0.33	BAKER CREEK NEAR SHOLES NE1/4NE1/4 SEC. 36-28-1 E.	11/05/86	0.26
MIDDLE LOGAN CREEK NEAR BELDEN SW1/4NW1/4 SEC. 13-28-1 E.	11/04/86	1.9	BAKER CREEK NEAR BELDEN NW1/4NW1/4 SEC. 27-28-2 E.	11/04/86	1.1
MIDDLE LOGAN CREEK AT BELDEN NW1/4SW1/4 SEC. 9-28-2 E.	11/04/86	0	BAKER CREEK NEAR BELDEN SE1/4NE1/4 SEC. 25-28-2 E.	11/04/86	0.73
MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR RANDOLPH SW1/4SE1/4 SEC. 29-29-1 E.	11/04/86	0.08	BAKER CREEK, TRIBUTARY TO, NEAR SHOLES SW1/4NW1/4 SEC. 4-27-2 E.	11/05/86	0.23
MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR BELDEN SW1/4NW1/4 SEC. 35-29-1 E.	11/04/86	0.55	BAKER CREEK, TRIBUTARY TO, NEAR SHOLES NE1/4SE1/4 SEC. 5-27-2 E.	11/05/86	0.02
MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR COLERIDGE NE1/4SE1/4 SEC. 20-29-1 E.	11/04/86	0.31	BAKER CREEK, TRIBUTARY TO, NEAR SHOLES SE1/4SE1/4 SEC. 4-27-2 E.	11/05/86	0.49
MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR COLERIDGE NE1/4SE1/4 SEC. 16-29-1 E.	11/04/86	1.1	BAKER CREEK, TRIBUTARY TO, NEAR BELDEN SE1/4SW1/4 SEC. 30-28-3 E.	11/04/86	2.0
MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR COLERIDGE SW1/4SW1/4 SEC. 14-29-1 E.	11/04/86	0	BAKER CREEK NEAR LAUREL SW1/4NW1/4 SEC. 21-28-3 E.	11/04/86	4.1
MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR BELDEN SW1/4SW1/4 SEC. 30-29-2 E.	11/04/86	0.53	BAKER CREEK NEAR LAUREL SW1/4SW1/4 SEC. 13-28-3 E.	11/04/86	5.8
MIDDLE LOGAN CREEK, TRIBUTARY TO, NEAR BELDEN NW1/4SW1/4 SEC. 3-28-2 E.	11/04/86	0.16	LOGAN CREEK NEAR CONCORD NW1/4SE1/4 SEC. 19-28-4 E.	11/05/86	36
MIDDLE LOGAN CREEK NEAR LAUREL SW1/4SW1/4 SEC. 6-28-3 E.	11/04/86	6.8	NORTH LOGAN CREEK NEAR COLERIDGE NE1/4NE1/4 SEC. 28-30-2 E.	11/05/86	0
PERRIN CREEK NEAR COLERIDGE SW1/4NE1/4 SEC. 16-29-2 E.	11/05/86	0	NORTH LOGAN CREEK NEAR COLERIDGE SE1/4NE1/4 SEC. 27-30-2 E.	11/05/86	0
PERRIN CREEK NEAR COLERIDGE NW1/4SW1/4 SEC. 24-29-2 E.	11/05/86	0.50	NORTH LOGAN CREEK NEAR COLERIDGE SE1/4NE1/4 SEC. 35-30-2 E.	11/05/86	0.04
PERRIN CREEK, TRIBUTARY TO, NEAR LAUREL NW1/4SW1/4 SEC. 20-29-3 E.	11/05/86	0.08	NORTH LOGAN CREEK, TRIBUTARY TO, NEAR COLERIDGE NE1/4NE1/4 SEC. 2-29-2 E.	11/05/86	0
PERRIN CREEK NEAR LAUREL SW1/4SE1/4 SEC. 30-29-3 E.	11/05/86	6.5	NORTH LOGAN CREEK, TRIBUTARY TO, NEAR COLERIDGE SE1/4SE1/4 SEC. 35-30-2 E.	11/05/86	0.06
PERRIN CREEK, TRIBUTARY TO, NEAR LAUREL NW1/4NE1/4 SEC. 20-29-3 E.	11/05/86	0	NORTH LOGAN CREEK, TRIBUTARY TO, NEAR COLERIDGE NW1/4NW1/4 SEC. 7-29-3 E.	11/05/86	0.06
PERRIN CREEK, TRIBUTARY TO, NEAR LAUREL SW1/4SE1/4 SEC. 20-29-3 E.	11/05/86	0	NORTH LOGAN CREEK, TRIBUTARY TO, NEAR LAUREL NW1/4NW1/4 SEC. 17-29-3 E.	11/05/86	0.01
LOGAN CREEK NEAR LAUREL NW1/4NE1/4 SEC. 10-28-3 E.	11/04/86	21	NORTH LOGAN CREEK NEAR COLERIDGE SE1/4SE1/4 SEC. 6-29-3 E.	11/05/86	0.47
BAKER CREEK NEAR SHOLES SE1/4SE1/4 SEC. 25-28-1 E.	11/05/86	0	NORTH LOGAN CREEK NEAR LAUREL SW1/4SW1/4 SEC. 23-29-3 E.	11/05/86	2.3

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<u>LOGAN CREEK</u>			<u>LOGAN CREEK</u>		
NORTH LOGAN CREEK NEAR LAUREL SW1/4SW1/4 SEC. 36-29-3 E.	11/05/86	2.9	SOUTH LOGAN CREEK, TRIBUTARY TO, NEAR WINSIDE SW1/4NW1/4 SEC. 4-25-2 E.	11/05/86	2.0
NORTH LOGAN CREEK, TRIBUTARY TO, NEAR LAUREL SE1/4SE1/4 SEC. 11-29-3 E.	11/05/86	0	SOUTH LOGAN CREEK NEAR WINSIDE SW1/4NW1/4 SEC. 1-25-2 E.	11/06/86	5.7
NORTH LOGAN CREEK, TRIBUTARY TO, NEAR LAUREL SE1/4SE1/4 SEC. 14-29-3 E.	11/05/86	0.86	LOGAN CREEK, SOUTH FORK, NEAR WINSIDE SW1/4SW1/4 SEC. 33-26-3 E.	05/14/86 11/06/86	11 7.9
NORTH LOGAN CREEK, TRIBUTARY TO, NEAR LAUREL NW1/4NE1/4 SEC. 25-29-3 E.	11/05/86	1.5	DEER CREEK NEAR SHOLES SW1/4SW1/4 SEC. 9-27-1 E.	11/04/86	0.24
NORTH LOGAN CREEK, TRIBUTARY TO, NEAR DIXON NW1/4NE1/4 SEC. 6-28-4 E.	11/05/86	3.6	DEER CREEK NEAR SHOLES SW1/4NW1/4 SEC. 15-27-1 E.	11/04/86	0.09
NORTH LOGAN CREEK, TRIBUTARY TO, AT DIXON NE1/4SE1/4 SEC. 7-28-4 E.	11/05/86	0.02	DEER CREEK NEAR CARROLL SW1/4NW1/4 SEC. 25-27-1 E.	11/04/86	0.95
NORTH LOGAN CREEK NEAR CONCORD NW1/4NE1/4 SEC. 28-28-4 E.	11/05/86	8.0	DEER CREEK NEAR CARROLL SW1/4NW1/4 SEC. 28-27-2 E.	11/04/86	1.1
LOGAN CREEK NEAR CONCORD NW1/4SW1/4 SEC. 27-28-4 E.	11/05/86	53	DEER CREEK, TRIBUTARY TO, NEAR CARROLL NW1/4NW1/4 SEC. 27-27-2 E.	03/28/86	0.14
LOGAN CREEK, TRIBUTARY TO, NEAR DIXON NW1/4NE1/4 SEC. 9-28-4 E.	11/05/86	0.64	DEER CREEK NEAR CARROLL NW1/4SW1/4 SEC. 35-27-2 E.	11/04/86	1.6
LOGAN CREEK, TRIBUTARY TO, NEAR CONCORD SW1/4SW1/4 SEC. 22-28-4 E.	11/05/86	1.7	DEER CREEK NEAR WAYNE SW1/4SW1/4 SEC. 5-26-3 E.	11/04/86	2.8
LOGAN CREEK NEAR CONCORD SW1/4SW1/4 SEC. 1-27-4 E.	11/05/86	63	DEER CREEK, SOUTH BRANCH, NEAR CARROLL SW1/4NW1/4 SEC. 14-26-1 E.	11/04/86	0.38
MYRTLE CREEK, TRIBUTARY TO, NEAR CONCORD NE1/4NE1/4 SEC. 32-28-5 E.	11/05/86	0.20	DEER CREEK, SOUTH BRANCH, NEAR CARROLL NW1/4NW1/4 SEC. 7-26-2 E.	11/04/86	1.3
MYRTLE CREEK NEAR CONCORD SW1/4SW1/4 SEC. 30-28-5 E.	11/05/86	1.5	DEER CREEK, SOUTH BRANCH, TRIBUTARY TO, NEAR CARROLL SW1/4NW1/4 SEC. 10-26-1 E.	11/04/86	0
MYRTLE CREEK NEAR WAKEFIELD NW1/4NE1/4 SEC. 12-27-4 E.	11/05/86	2.9	DEER CREEK, SOUTH BRANCH, TRIBUTARY TO, NEAR CARROLL SW1/4SW1/4 SEC. 6-26-2 E.	11/04/86	0.64
LOGAN CREEK NEAR WAKEFIELD NE1/4NE1/4 SEC. 30-27-5 E.	11/05/86	69	DEER CREEK, SOUTH BRANCH, NEAR CARROLL SW1/4SW1/4 SEC. 3-26-2 E.	11/04/86	3.1
SOUTH LOGAN CREEK NEAR WINSIDE SW1/4NW1/4 SEC. 24-25-1 E.	11/05/86	0.02	DEER CREEK, SOUTH BRANCH, NEAR CARROLL NW1/4SW1/4 SEC. 13-26-2 E.	11/04/86	6.3
SOUTH LOGAN CREEK NEAR WINSIDE SE1/4SW1/4 SEC. 19-26-2 E.	11/05/86	0.60	DEER CREEK, TRIBUTARY TO, NEAR WAYNE NW1/4NW1/4 SEC. 17-26-3 E.	05/14/86 11/04/86	11 7.2
SOUTH LOGAN CREEK NEAR WINSIDE SW1/4SW1/4 SEC. 33-26-2 E.	11/05/86	2.2	DEER CREEK NEAR WAYNE SE1/4SW1/4 SEC. 10-26-3 E.	05/14/86 11/04/86	18 12
SOUTH LOGAN CREEK, TRIBUTARY TO, NEAR WINSIDE SW1/4SW1/4 SEC. 7-25-2 E.	11/05/86	0	LOGAN CREEK, SOUTH FORK, AT WAYNE SW1/4SW1/4 SEC. 18-26-4 E.	05/14/86 11/06/86	37 28

PLATTE RIVER BASIN
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<u>LOGAN CREEK</u>			<u>LOGAN CREEK</u>		
DOG CREEK AT SHOLES NW1/4NW1/4 SEC. 2-27-1 E.	11/05/86	0.06	COON CREEK NEAR WAYNE NW1/4NW1/4 SEC. 31-26-4 E.	11/06/86	0.66
DOG CREEK NEAR SHOLES NW1/4SW1/4 SEC. 8-27-2 E.	11/05/86	1.3	COON CREEK NEAR WAYNE SW1/4SW1/4 SEC. 27-26-4 E.	11/06/86	3.0
DOG CREEK NEAR CARROLL NW1/4SW1/4 SEC. 15-27-2 E.	11/05/86	2.3	COON CREEK, TRIBUTARY TO, NEAR WAKEFIELD NW1/4NE1/4 SEC. 36-26-4 E.	11/06/86	0.98
DOG CREEK NEAR CARROLL SW1/4SW1/4 SEC. 24-27-2 E.	11/05/86	3.7	COON CREEK NEAR WAKEFIELD SW1/4NW1/4 SEC. 30-26-5 E.	11/05/86	6.0
DOG CREEK NEAR CARROLL NW1/4SW1/4 SEC. 17-27-3 E.	11/05/86	4.6	COON CREEK NEAR WAKEFIELD NW1/4NW1/4 SEC. 21-26-5 E.	11/06/86	7.1
DOG CREEK, TRIBUTARY TO, NEAR CARROLL NW1/4NW1/4 SEC. 17-27-3 E.	11/05/86	0.31	COON CREEK, TILE DRAIN TRIBUTARY TO, NEAR WAKEFIELD NE1/4NW1/4 SEC. 15-26-5 E.	11/06/86	0
DOG CREEK NEAR WAYNE SW1/4SW1/4 SEC. 10-27-3 E.	11/05/86	8.8	COON CREEK NEAR WAKEFIELD NW1/4NE1/4 SEC. 15-26-5 E.	11/05/86	7.9
DOG CREEK NEAR WAYNE SW1/4SW1/4 SEC. 23-27-3 E.	11/05/86	12	LOGAN CREEK NEAR WAKEFIELD SW1/4SW1/4 SEC. 14-26-5 E.	11/05/86	145
DOG CREEK NEAR WAYNE SW1/4NW1/4 SEC. 6-26-4 E.	11/05/86	15	LOGAN CREEK, TRIBUTARY TO, NEAR PENDER NW1/4SW1/4 SEC. 8-25-5 E.	11/05/86	0.42
SOUTH LOGAN CREEK NEAR WAYNE SW1/4SW1/4 SEC. 34-27-4 E.	11/06/86	46	LOGAN CREEK, TRIBUTARY TO, NEAR PENDER NW1/4NW1/4 SEC. 10-25-5 E.	11/04/86	1.2
SOUTH LOGAN CREEK, TRIBUTARY TO, NEAR WAYNE SE1/4SW1/4 SEC. 7-27-4 E.	11/05/86	0.14	LOGAN CREEK, TRIBUTARY TO, NEAR THURSTON NW1/4SW1/4 SEC. 36-26-5 E.	11/05/86	2.6
SOUTH LOGAN CREEK, TILE DRAIN TRIBUTARY TO SE1/4NE1/4 SEC. 20-27-4 E.	11/06/86	0.09	LOGAN CREEK NEAR PENDER NW1/4NE1/4 SEC. 6-25-6 E.	11/05/86	148
SOUTH LOGAN CREEK, TRIBUTARY TO, NEAR WAYNE NW1/4SW1/4 SEC. 21-27-4 E.	11/05/86	0.16	LOGAN CREEK NEAR PENDER NW1/4NE1/4 SEC. 16-25-6 E.	11/04/86	145
SOUTH LOGAN CREEK, TRIBUTARY TO, NEAR WAYNE SW1/4SW1/4 SEC. 18-27-4 E.	11/05/86	0.21	RATTLESNAKE CREEK, TILE DRAIN TRIBUTARY TO, NEAR PENDER SE1/4SE1/4 SEC. 21-25-5 E.	11/06/86	0.33
SOUTH LOGAN CREEK, TRIBUTARY TO, NEAR WAYNE SW1/4NW1/4 SEC. 28-27-4 E.	11/05/86	0.63	RATTLESNAKE CREEK NEAR THURSTON SE1/4SE1/4 SEC. 21-25-5 E.	11/04/86	0.38
SOUTH LOGAN CREEK, TRIBUTARY TO, NEAR WAYNE NW1/4NW1/4 SEC. 34-27-4 E.	11/05/86	0.91	RATTLESNAKE CREEK NEAR THURSTON SE1/4SW1/4 SEC. 23-25-5 E.	11/04/86	0.92
SOUTH LOGAN CREEK NEAR WAKEFIELD SW1/4NW1/4 SEC. 31-27-5 E.	11/06/86	49	RATTLESNAKE CREEK NEAR THURSTON SW1/4SW1/4 SEC. 18-25-6 E.	11/04/86	1.3
LOGAN CREEK AT WAKEFIELD NW1/4NW1/4 SEC. 33-27-5 E.	11/05/86	123	RATTLESNAKE CREEK NEAR THURSTON NE1/4NE1/4 SEC. 17-25-6 E.	11/04/86	1.1
COON CREEK NEAR WAYNE NW1/4SW1/4 SEC. 1-25-3 E.	11/06/86	0.13	MIDDLE CREEK, TRIBUTARY TO, NEAR WAKEFIELD NW1/4NE1/4 SEC. 4-27-5 E.	11/05/86	0
COON CREEK NEAR WAYNE NW1/4NW1/4 SEC. 1-25-3 E.	11/06/86	0.25			

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<u>LOGAN CREEK</u>			<u>LOGAN CREEK</u>		
MIDDLE CREEK, TILE DRAIN TRIBUTARY TO, NEAR WAKEFIELD NE1/4SE1/4 SEC. 4-27-5 E.	11/06/86	0.22	STAGE CREEK NEAR PENDER NW1/4NW1/4 SEC. 2-24-6 E.	05/06/86 11/05/86	1.2 1.0
MIDDLE CREEK, TRIBUTARY TO, NEAR WAKEFIELD NW1/4SW1/4 SEC. 3-27-5 E.	11/05/86	0.40	RATTLESNAKE CREEK NEAR PENDER SW1/4SW1/4 SEC. 20-24-6 E.	11/05/86	0.03
MIDDLE CREEK NEAR CONCORD SW1/4SE1/4 SEC. 27-28-5 E.	11/05/86 11/05/86	0.07 1.0	RATTLESNAKE CREEK NEAR PENDER NW1/4NW1/4 SEC. 15-24-6 E.	11/05/86	0.28
MIDDLE CREEK NEAR WAKEFIELD SE1/4SW1/4 SEC. 2-27-5 E.	11/05/86	1.4	RATTLESNAKE CREEK NEAR PENDER SE1/4NE1/4 SEC. 11-24-6 E.	11/05/86	1.2
MIDDLE CREEK NEAR WAKEFIELD NE1/4NE1/4 SEC. 13-27-5 E.	11/05/86	3.6	RATTLESNAKE CREEK NEAR PENDER NW1/4NW1/4 SEC. 12-24-7 E.	05/06/86	1.5
MIDDLE CREEK NEAR THURSTON SW1/4SE1/4 SEC. 20-27-6 E.	11/05/86	5.4	RATTLESNAKE CREEK NEAR PENDER NW1/4NW1/4 SEC. 7-24-7 E.	11/05/86	0.98
MIDDLE CREEK NEAR THURSTON NW1/4NE1/4 SEC. 10-26-6 E.	11/05/86	7.3	JEPFSON CREEK NEAR BANCROFT SW1/4SW1/4 SEC. 24-24-6 E.	11/05/86	0.31
MIDDLE CREEK, TRIBUTARY TO, NEAR THURSTON SE1/4SE1/4 SEC. 22-26-6 E.	11/04/86	1.0	JEPFSON CREEK NEAR BANCROFT NE1/4NE1/4 SEC. 19-24-7 E.	11/05/86	1.3
MIDDLE CREEK NEAR THURSTON NW1/4NE1/4 SEC. 26-26-6 E.	11/04/86	9.6	JEPFSON CREEK NEAR BANCROFT NW1/4NE1/4 SEC. 17-24-7 E.	05/06/86 11/05/86	1.1 1.1
MIDDLE CREEK NEAR THURSTON SE1/4NE1/4 SEC. 10-25-6 E.	11/04/86	11	RATTLESNAKE CREEK NEAR BANCROFT SW1/4SW1/4 SEC. 9-24-7 E.	11/05/86	2.0
LOGAN CREEK, TRIBUTARY TO, NEAR PENDER SE1/4SE1/4 SEC. 36-25-5 E.	11/05/86	0.41	OLD LOGAN (RATTLESNAKE) CREEK NEAR BANCROFT NW1/4NW1/4 SEC. 22-24-7 E.	05/06/86 11/05/86	5.0 3.1
LOGAN CREEK, TRIBUTARY TO, NEAR PENDER SE1/4SW1/4 SEC. 29-25-6 E.	11/15/86	0.45	LOGAN CREEK NEAR BANCROFT NE1/4SE1/4 SEC. 26-24-7 E.	11/05/86	178
LOGAN CREEK, TRIBUTARY TO, NEAR PENDER NW1/4NW1/4 SEC. 21-25-6 E.	11/05/86	0	BIG SLOUGH CREEK NEAR PENDER SE1/4NE1/4 SEC. 17-25-7 E.	11/04/86	0.03
LOGAN CREEK, TRIBUTARY TO, AT PENDER SE1/4SE1/4 SEC. 22-25-6 E.	11/05/86	0.36	BIG SLOUGH CREEK NEAR ROSALIE NE1/4NW1/4 SEC. 27-25-7 E.	11/04/86	1.3
LOGAN CREEK AT PENDER GAGE SE1/4NW1/4 SEC. 26-25-6 E.	11/04/86	171	BIG SLOUGH CREEK NEAR ROSALIE SE1/4SE1/4 SEC. 26-25-7 E.	11/04/86	1.5
LOGAN CREEK, TRIBUTARY TO, NEAR PENDER NW1/4SW1/4 SEC. 25-25-6 E.	11/04/86	0	BIG SLOUGH CREEK NEAR ROSALIE NW1/4SW1/4 SEC. 5-24-8 E.	11/04/86	1.8
LOGAN CREEK NEAR PENDER NW1/4NW1/4 SEC. 6-24-7 E.	11/04/86	176	BIG SLOUGH CREEK NEAR ROSALIE SE1/4SW1/4 SEC. 9-24-8 E.	11/04/86	2.3
LOGAN CREEK NEAR PENDER NW1/4NW1/4 SEC. 9-24-7 E.	11/04/86	173	BIG SLOUGH CREEK NEAR ROSALIE SW1/4SE1/4 SEC. 22-24-8 E.	11/04/86	3.7
STAGE CREEK NEAR PENDER SW1/4SW1/4 SEC. 7-24-6 E.	11/05/86	0.17	BIG SLOUGH CREEK, TRIBUTARY TO, NEAR ROSALIE SE1/4SE1/4 SEC. 22-24-8 E.	11/04/86	0.74
STAGE CREEK NEAR PENDER SE1/4NE1/4 SEC. 9-24-6 E.	11/05/86	0.47			

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<u>LOGAN CREEK</u>			<u>LOGAN CREEK</u>		
LOGAN CREEK NEAR BANCROFT NW1/4NE1/4 SEC. 2-23-8 E.	11/04/86	200	PETERSON CREEK NEAR OAKLAND NW1/4SW1/4 SEC. 4-21-8 E.	11/05/86	2.6
LOGAN CREEK NEAR LYONS SE1/4NW1/4 SEC. 26-23-8 E.	11/06/86	194	PETERSON CREEK NEAR OAKLAND SE1/4NW1/4 SEC. 10-21-8 E.	11/05/86	3.3
LOGAN CREEK NEAR LYONS SE1/4SE1/4 SEC. 11-22-8 E.	11/06/86	205	LOGAN CREEK NEAR OAKLAND SW1/4SW1/4 SEC. 14-21-8 E.	11/05/86	220
LITTLE LOGAN CREEK NEAR BANCROFT NW1/4SW1/4 SEC. 31-24-7 E.	11/05/86	0.28	DRY CREEK NEAR UEHLING NW1/4SW1/4 SEC. 13-21-7 E.	11/05/86	0.02
LITTLE LOGAN CREEK NEAR BANCROFT NW1/4NW1/4 SEC. 3-23-7 E.	11/05/86	2.7	DRY CREEK NEAR UEHLING SW1/4SE1/4 SEC. 13-21-7 E.	11/05/86	0.02
LITTLE LOGAN CREEK NEAR BANCROFT SE1/4SE1/4 SEC. 2-23-7 E.	11/05/86	3.9	DRY CREEK NEAR UEHLING NE1/4SE1/4 SEC. 20-21-8 E.	11/05/86	2.0
LITTLE LOGAN CREEK NEAR BANCROFT NW1/4SW1/4 SEC. 16-23-8 E.	11/05/86	6.5	DRY CREEK, TRIBUTARY TO, NEAR UEHLING SW1/4SE1/4 SEC. 9-21-8 E.	11/05/86	0
LITTLE LOGAN CREEK NEAR LYONS NW1/4SE1/4 SEC. 28-23-8 E.	11/04/86	8.6	DRY CREEK, TRIBUTARY TO, NEAR UEHLING SW1/4SE1/4 SEC. 16-21-8 E.	11/05/86	0.02
LITTLE LOGAN CREEK, TRIBUTARY TO, NEAR BANCROFT SW1/4SW1/4 SEC. 27-23-7 E.	11/05/86	0.14	DRY CREEK NEAR UEHLING NW1/4SW1/4 SEC. 28-21-8 E.	11/05/86	2.7
LITTLE LOGAN CREEK, TRIBUTARY TO, NEAR BANCROFT NE1/4NE1/4 SEC. 35-23-7 E.	11/05/86	2.7	ROMBERG CREEK NEAR UEHLING SW1/4SE1/4 SEC. 22-21-7 E.	11/05/86	0.01
LITTLE LOGAN CREEK, TRIBUTARY TO, NEAR BANCROFT NE1/4NE1/4 SEC. 32-23-8 E.	11/05/86	6.1	ROMBERG CREEK NEAR UEHLING NE1/4NE1/4 SEC. 27-21-7 E.	11/05/86	0.32
LITTLE LOGAN CREEK NEAR LYONS SE1/4SW1/4 SEC. 34-23-8 E.	11/04/86	11	ROMBERG CREEK NEAR UEHLING NE1/4SE1/4 SEC. 25-21-7 E.	11/05/86	1.2
LITTLE LOGAN CREEK NEAR OAKLAND NW1/4NW1/4 SEC. 14-22-8 E.	11/04/86	12	DRY CREEK NEAR UEHLING SW1/4NE1/4 SEC. 4-20-8 E.	11/05/86	5.1
LOGAN CREEK, TRIBUTARY TO, NEAR OAKLAND SE1/4NE1/4 SEC. 12-22-7 E.	11/04/86	1.2	LOGAN CREEK, TILE DRAIN TRIBUTARY TO, NEAR UEHLING SE1/4SE1/4 SEC. 9-20-8 E.	11/04/86	0.13
LOGAN CREEK, TRIBUTARY TO, NEAR OAKLAND NW1/4NW1/4 SEC. 16-22-8 E.	11/04/86	1.8	LOGAN CREEK NEAR UEHLING SE1/4SE1/4 SEC. 9-20-8 E.	11/04/86	239
LOGAN CREEK, TRIBUTARY TO, NEAR OAKLAND SE1/4SW1/4 SEC. 15-22-8 E.	11/04/86	2.0	LOGAN CREEK, TRIBUTARY TO, NEAR UEHLING NE1/4NW1/4 SEC. 2-20-7 E.	11/04/86	0.01
LOGAN CREEK AT OAKLAND SW1/4SW1/4 SEC. 36-22-8 E.	11/04/86	200	LOGAN CREEK, TRIBUTARY TO, NEAR UEHLING SW1/4NW1/4 SEC. 12-20-7 E.	11/04/86	0.86
PETERSON CREEK NEAR OAKLAND SE1/4SE1/4 SEC. 14-22-7 E.	11/05/86	0.01	LOGAN CREEK, TRIBUTARY TO, NEAR UEHLING SW1/4NW1/4 SEC. 17-20-8 E.	11/04/86	1.7
PETERSON CREEK NEAR OAKLAND NE1/4NW1/4 SEC. 36-22-7 E.	11/05/86	1.2	LOGAN CREEK, TRIBUTARY TO, NEAR UEHLING SE1/4NE1/4 SEC. 23-20-7 E.	11/04/86	0
			LOGAN CREEK, TRIBUTARY TO, NEAR UEHLING SE1/4SW1/4 SEC. 13-20-7 E.	11/04/86	0.07

PLATTE RIVER BASIN
(ELKHORN RIVER)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>LOGAN CREEK</u>		
LOGAN CREEK, TRIBUTARY TO, NEAR UEHLING NE1/4NE1/4 SEC. 24-20-7 E.	11/04/86	3.0
LOGAN CREEK, TRIBUTARY TO, NEAR UEHLING NW1/4NE1/4 SEC. 20-20-8 E.	11/04/86	5.1
LOGAN CREEK NEAR SCRIBNER NE1/4NE1/4 SEC. 32-20-8 E.	11/04/86	249
LOGAN CREEK NEAR WINSLOW SE1/4NE1/4 SEC. 10-19-8 E.	11/04/86	283

PLATTE RIVER BASIN
(SALT CREEK)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>SALT CREEK</u>		
DAK CREEK NEAR GARLAND SE1/4NE1/4 SEC. 13-12-4 E.	05/12/86	17
DEE CREEK NEAR GREENWOOD NE1/4SW1/4 SEC. 6-11-9 E.	03/25/86 05/20/86	4.6 5.2
GREENWOOD CREEK NEAR GREENWOOD NE1/4NW1/4 SEC. 28-12-9 E.	03/26/86	1.7
ROBINSON BRANCH CREEK NEAR GREENWOOD SE1/4SE1/4 SEC. 18-12-9 E.	03/26/86	2.4
CALLAHAN CREEK NEAR GREENWOOD SW1/4SW1/4 SEC. 15-12-9 E.	03/26/86 05/20/86	6.5 9.1
WAHOO CREEK, NORTH FORK, NEAR MALMO SW1/4NW1/4 SEC. 29-15-6 E.	05/06/86	6.4
COTTONWOOD CREEK NEAR MALMO NW1/4NE1/4 SEC. 22-15-6 E.	05/06/86	12
SAND CREEK NEAR WAHOO SE1/4SE1/4 SEC. 3-14-7 E.	05/06/86	42
SILVER CREEK NEAR ITHACA NE1/4NW1/4 SEC. 34-14-8 E.	05/06/86	16
JOHNSON CREEK NEAR MEMPHIS SE1/4SE1/4 SEC. 27-14-9 E.	05/06/86	0.83

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>		
WEST BRANCH PAWNEE CREEK NEAR SOUTH BEND SE1/4NE1/4 SEC. 28-2-10 E.	03/26/86	0.70
PAWNEE CREEK NEAR SOUTH BEND NW1/4NW1/4 SEC. 15-12-10 E.	03/26/86	2.5
FOUNTAIN CREEK NEAR SOUTH BEND SE1/4NE1/4 SEC. 24-12-10 E.	03/25/86 05/20/86	2.4 4.0
BUFFALO CREEK NEAR SPRINGFIELD SW1/4SW1/4 SEC. 36-13-11 E.	09/16/86	2.3
CEDAR CREEK NEAR LOUISVILLE SE1/4SW1/4 SEC. 19-12-12 E.	05/20/86	14
TURTLE CREEK NEAR SPRINGFIELD NW1/4SW1/4 SEC. 25-13-11 E.	09/16/86	0.13
EIGHT MILE CREEK NEAR PLATTSMOUTH SE1/4SW1/4 SEC. 9-12-13 E.	05/20/86	27

MISSOURI RIVER TRIBUTARIES
 (PLATTE TO LITTLE NEMAHA)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>ROCK CREEK</u>		
MUD CREEK NEAR MURRAY SE1/4NE1/4 SEC. 17-11-14 E.	05/21/86	1.9
<u>WEEPING WATER CREEK</u>		
WEEPING WATER CREEK, NORTH BRANCH, NEAR WEEPING WATER NW1/4NW1/4 SEC. 3-10-11 E.	05/21/86	34
WEEPING WATER CREEK, TRIBUTARY TO NORTH BRANCH, NEAR NEHAWKA SE1/4NW1/4 SEC. 18-10-13 E.	05/21/86	13
FLOOD CREEK NEAR NEHAWKA SE1/4SE1/4 SEC. 2-9-12 E.	05/19/86	5.7
WEEPING WATER CREEK, SOUTH BRANCH, NEAR UNION NE1/4NW1/4 SEC. 27-10-13 E.	05/21/86	33
<u>WALNUT CREEK</u>		
WALNUT CREEK NEAR NEBRASKA CITY SE1/4NE1/4 SEC. 36-9-13 E.	05/19/86	3.6
<u>FOUR MILE CREEK</u>		
FOUR MILE CREEK NEAR NEBRASKA CITY NE1/4SE1/4 SEC. 25-8-14 E.	05/22/86	3.8

LITTLE NEMAHA RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>UPPER LITTLE NEMAHA RIVER</u>		
LITTLE NEMAHA RIVER NEAR UNADILLA NW1/4NE1/4 SEC. 5-8-10 E.	05/19/86	36
HOOPER CREEK NEAR UNADILLA SE1/4NE1/4 SEC. 30-9-10 E.	05/19/86	28
LITTLE NEMAHA RIVER NEAR SYRACUSE SW1/4NW1/4 SEC. 27-8-11 E.	05/22/86 06/25/86	90 28
TURKEY CREEK NEAR COOK NE1/4SW1/4 SEC. 8-6-11 E.	06/02/86	1.4
LITTLE NEMAHA RIVER, SOUTH FORK, NEAR TALMAGE NE1/4NW1/4 SEC. 29-7-12 E.	05/22/86	38
SPRING CREEK NEAR TALMAGE NW1/4NW1/4 SEC. 27-7-12 E.	05/22/86	5.5
<u>LOWER LITTLE NEMAHA RIVER</u>		
LITTLE NEMAHA RIVER, NORTH FORK, NEAR LORTON SW1/4SW1/4 SEC. 12-7-12 E.	05/22/86	42

MISSOURI RIVER TRIBUTARIES
(LITTLE NEMAHA TO BIG NEMAHA)

<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>c.f.s.</u>
<u>BEADOW CREEK</u>		
BEADOW CREEK NEAR SHUBERT NW1/4SW1/4 SEC. 26-4-16 E.	06/26/86	4.1

BIG NEMAHA RIVER BASIN

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<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>NORTH FORK OF THE BIG NEMAHA RIVER</u>		
MIDDLE BRANCH BIG NEMAHA RIVER NEAR ADAMS SW1/4SW1/4 SEC. 16-6-8 E.	06/02/86	1.3
SHAW CREEK NEAR ADAMS SW1/4SW1/4 SEC. 21-6-8 E.	06/02/86	2.2
BIG NEMAHA RIVER, NORTH FORK, AT STERLING NE1/4SE1/4 SEC. 27-6-9 E.	06/02/86	19
YANKEE CREEK NEAR TECUMSEH NW1/4NW1/4 SEC. 25-5-10 E.	06/09/86	6.3
BIG NEMAHA RIVER, NORTH FORK, AT TECUMSEH NW1/4NW1/4 SEC. 33-5-11 E.	06/09/86	35
CLEAR CREEK AT TABLE ROCK SW1/4NE1/4 SEC. 32-3-12 E.	06/25/86	1.5
<u>SOUTH FORK OF THE BIG NEMAHA RIVER</u>		
TURKEY CREEK NEAR PAWNEE CITY NW1/4NE1/4 SEC. 26-1-11 E.	06/05/86	10
TURKEY CREEK, WEST BRANCH, NEAR PAWNEE CITY SW1/4NW1/4 SEC. 33-2-11 E.	06/25/86	3.9
HONEY CREEK NEAR SALEM NW1/4NW1/4 SEC. 13-1-14 E.	06/19/86	4.1
BIG NEMAHA RIVER, SOUTH FORK, AT SALEM NE1/4SW1/4 SEC. 10-1-15 E.	06/19/86	141
<u>LOWER BIG NEMAHA RIVER</u>		
PONY CREEK NEAR FALLS CITY SE1/4SE1/4 SEC. 22-1-16 E.	06/18/86	28
WALNUT CREEK NEAR FAALS CITY SE1/4NW1/4 SEC. 36-1-16 E.	06/18/86	32
SARDINE CREEK NEAR VERDON SW1/4NE1/4 SEC. 10-2-15 E.	06/19/86	2.1
MUDDY CREEK AT VERDON NE1/4NW1/4 SEC. 15-2-15 E.	06/19/86	28
SILVER BRANCH NEAR FALLS CITY SW1/4SW1/4 SEC. 26-2-16 E.	06/19/86	1.6

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.	04/17/86	2.0	TURKEY CREEK, EAST BRANCH, NEAR BERTRAND NE1/4SE1/4 SEC. 36-6-22 W.	04/21/86	5.2
MUDDY CREEK NEAR STRATTON NW1/4NE1/4 SEC. 14-2-35 W.	12/05/86	0	TURKEY CREEK, WEST BRANCH, NEAR ELWOOD SE1/4NE1/4 SEC. 2-5-22 W.	04/21/86	0.76
<u>FRENCHMAN CREEK</u>			SPRING CREEK NEAR ATLANTA SW1/4SE1/4 SEC. 21-5-20 W.	04/21/86	0.49
FRENCHMAN CREEK ABOVE ARTERBURN RESERVOIR SW1/4NW1/4 SEC. 11-6-41 W.	05/02/86	0	ELM CREEK NEAR ATLANTA NE1/4NW1/4 SEC. 35-5-20 W.	04/21/86	0
FRENCHMAN CREEK BELOW ARTERBURN RESERVOIR NW1/4SE1/4 SEC. 18-6-40 W.	05/02/86	2.2	ELM CREEK NEAR MASCOT NW1/4NW1/4 SEC. 10-4-20 W.	04/21/86	0
FRENCHMAN CREEK NEAR CHAMPION SW1/4NW1/4 SEC. 22-6-40 W.	05/02/86	7.1	SPRING CREEK NEAR OXFORD NW1/4NE1/4 SEC. 15-3-20 W.	04/21/86	3.5
FRENCHMAN CREEK AT CHAMPION NW1/4SW1/4 SEC. 22-6-39 W.	05/02/86	13	ROPE CREEK NEAR ORLEANS SW1/4SE1/4 SEC. 13-2-19 W.	04/21/86	0.65
FRENCHMAN CREEK NEAR HAMLET SW1/4SW1/4 SEC. 19-5-34 W.	05/02/86	21	COOK CREEK AT ALMA SW1/4SE1/4 SEC. 20-2-18 W.	11/05/86	0.31
STINKING WATER CREEK NEAR WALNETA SE1/4SE1/4 SEC. 23-7-36 W.	11/04/86	4.0	PRAIRIE DOG CREEK NEAR ALMA SE1/4NE1/4 SEC. 33-1-18 W.	11/17/86	0
SPRING CREEK NEAR WALNETA SE1/4NE1/4 SEC. 11-6-36 W.	11/04/86	7.0	<u>LOWER REPUBLICAN RIVER</u>		
<u>MIDDLE REACH OF THE REPUBLICAN RIVER</u>			TURKEY CREEK, TRIBUTARY TO, NEAR HUNTLEY SE1/4NW1/4 SEC. 21-3-17 W.	11/05/86	0
RED WILLOW CREEK NEAR HAYES CENTER NE1/4NW1/4 SEC. 34-8-32 W.	11/04/86	7.6	TURKEY CREEK NEAR REPUBLICAN CITY SE1/4SE1/4 SEC. 12-2-17 W.	11/05/86	3.2
MEDICINE CREEK NEAR DICKENS SW1/4SW1/4 SEC. 22-10-31 W.	03/28/86	0.78	TURKEY CREEK NEAR NAPONEE SW1/4SW1/4 SEC. 4-1-16 W.	11/05/86	9.5
MEDICINE CREEK NEAR WELLFLEET SW1/4NE1/4 SEC. 35-10-31 W.	03/28/86	3.0	REBECCA CREEK NEAR NAPONEE NE1/4NW1/4 SEC. 14-1-16 W.	11/05/86	0.43
MEDICINE CREEK AT MAYWOOD NE1/4NE1/4 SEC. 21-8-29 W.	03/28/86	23	COTTONWOOD CREEK NEAR BLOOMINGTON NE1/4NE1/4 SEC. 1-1-16 W.	11/05/86	4.1
BRUSHY CREEK NEAR MAYWOOD SW1/4SW1/4 SEC. 28-8-29 W.	03/28/86	0.16	LOST CREEK NEAR BLOOMINGTON NW1/4SW1/4 SEC. 10-1-15 W.	11/17/86	1.2
WELL CANYON AT CURTIS SE1/4SW1/4 SEC. 29-8-28 W.	03/28/86	0	COATES CREEK NEAR FRANKLIN NW1/4NE1/4 SEC. 33-2-14 W.	11/05/86	0.91
MEDICINE CREEK AT CURTIS NE1/4NE1/4 SEC. 32-8-28 W.	03/28/86	32	REAMS CREEK NEAR FRANKLIN SE1/4SW1/4 SEC. 3-1-14 W.	11/17/86	0.13
CURTIS CREEK NEAR CURTIS SW1/4SW1/4 SEC. 36-8-28 W.	03/28/86	0.51	THOMPSON CREEK, WEST BRANCH, NEAR RIVERTON SW1/4NW1/4 SEC. 4-2-13 W.	11/05/86	1.6
MUDDY CREEK NEAR HARRY STRUNK RESERVOIR SE1/4SW1/4 SEC. 28-6-24 W.	11/19/86	0.84	THOMPSON CREEK NEAR RIVERTON SW1/4SW1/4 SEC. 3-2-13 W.	11/05/86	16
TURKEY CREEK, EAST BRANCH, NEAR BERTRAND NE1/4NW1/4 SEC. 19-6-21 W.	04/21/86	3.7	FARMERS CREEK NEAR INAVALE SW1/4SE1/4 SEC. 32-2-12 W.	11/17/86	3.2

REPUBLICAN RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>LOWER REPUBLICAN RIVER</u>		
WALNUT CREEK NEAR INVALE SW1/4NE1/4 SEC. 8-1-12 W.	11/18/86	1.3
PENNY CREEK NEAR RED CLOUD NE1/4NE1/4 SEC. 16-1-11 W.	11/18/86	0.09
INDIAN CREEK NEAR RED CLOUD SE1/4SW1/4 SEC. 21-2-11 W.	11/17/86	1.4
INDIAN CREEK NEAR RED CLOUD SE1/4SW1/4 SEC. 33-2-11 W.	11/17/86	2.0
CROOKED CREEK AT RED CLOUD SW1/4NW1/4 SEC. 36-2-11 W.	11/17/86	1.6
HICKS CREEK NEAR RED CLOUD NW1/4SW1/4 SEC. 10-1-10 W.	11/18/86	0.62
WILLOW CREEK NEAR GUIDE ROCK SE1/4SW1/4 SEC. 36-2-10 W.	11/17/86	0.98
ASH CREEK NEAR GUIDE ROCK SE1/4SW1/4 SEC. 15-1-9 W.	11/18/86	1.1
GIMLET CREEK NEAR SUPERIOR SW1/4NW1/4 SEC. 28-1-8 W.	11/18/86	0
BEAVER CREEK NEAR SUPERIOR NE1/4NE1/4 SEC. 17-1-8 W.	11/17/86	7.0
MIDDLE CREEK NEAR SUPERIOR SW1/4SW1/4 SEC. 10-1-8 W.	11/17/86	0.33
LOST CREEK AT SUPERIOR SE1/4SW1/4 SEC. 26-1-7 W.	11/17/86	2.1
BLAKLEY CREEK NEAR SUPERIOR SW1/4SW1/4 SEC. 30-1-6 W.	11/17/86	0.64
CROSBY CREEK NEAR HARDY NE1/4NW1/4 SEC. 34-1-6 W.	11/17/86	1.6

BIG BLUE RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER BIG BLUE RIVER</u>		
BIG BLUE RIVER, NORTH BRANCH, NEAR ULYSSES SE1/4NE1/4 SEC. 16-13-2 E.	05/12/86	28
BIG BLUE RIVER NEAR STAPLEHURST SE1/4SW1/4 SEC. 10-12-2 E.	05/12/86 05/13/86	54 47
LINCOLN CREEK NEAR GRESHAM SW1/4NW1/4 SEC. 26-12-1 W.	05/14/86	9.6
PLUM CREEK NEAR SEWARD NE1/4NW1/4 SEC. 15-11-3 E.	05/12/86 05/13/86 07/29/86	22 18 8.6
<u>WEST FORK OF THE BIG BLUE RIVER</u>		
BIG BLUE RIVER, WEST FORK, NEAR STOCKHAM NW1/4NW1/4 SEC. 30-9-5 W.	05/14/86 11/18/86	7.3 6.8
SCHOOL CREEK NEAR GRAFTON NW1/4SE1/4 SEC. 3-8-4 W.	06/20/86	1.4
BIG BLUE RIVER, WEST FORK, NEAR MCCOOL JUNCTION NW1/4SW1/4 SEC. 36-9-3 W.	05/14/86	27
BEAVER CREEK AT YORK SW1/4SE1/4 SEC. 6-10-2 W.	05/14/86	0
BEAVER CREEK NEAR BEAVER CROSSING NW1/4NW1/4 SEC. 32-10-1 E.	05/08/86	6.9
WALNUT CREEK NEAR BEAVER CROSSING NW1/4NW1/4 SEC. 8-9-2 E.	05/08/86	0.55
<u>LOWER BIG BLUE RIVER</u>		
TURKEY CREEK NEAR GENEVA NW1/4SW1/4 SEC. 21-7-2 W.	06/20/86	0.99
TURKEY CREEK, TRIBUTARY TO, NEAR GENEVA SW1/4SW1/4 SEC. 27-7-2 W.	06/20/86	0.68
TURKEY CREEK NEAR MILLIGAN SW1/4SW1/4 SEC. 19-7-1 E.	05/15/86	6.6
SWAN CREEK, SOUTH FORK, NEAR SWANTON SE1/4NE1/4 SEC. 30-5-3 E.	05/15/86	10
SWAN CREEK NEAR DE WITT NW1/4SW1/4 SEC. 16-5-4 E.	05/15/86	25
BIG BLUE RIVER NEAR HOAG NW1/4NW1/4 SEC. 13-4-5 E.	05/30/86 06/03/86	389 347
CUB CREEK NEAR BEATRICE SW1/4SW1/4 SEC. 24-4-5 E.	06/25/86	3.9
INDIAN CREEK AT BEATRICE SW1/4NW1/4 SEC. 27-4-6 E.	06/09/86	3.9
CEDAR CREEK NEAR ROCKFORD SW1/4SE1/4 SEC. 8-3-7 E.	10/09/86	0.43

LITTLE BLUE RIVER BASIN

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<u>Site and Location</u>	<u>Date</u>	<u>Discharge</u> <u>C.F.S.</u>
<u>UPPER LITTLE BLUE RIVER</u>		
ELK CREEK NEAR OAK SW1/4SW1/4 SEC. 7-3-5 W.	06/24/86	0.97
SPRING CREEK, TRIBUTARY TO, AT DESHLER NE1/4SE1/4 SEC. 14-2-4 W.	06/23/86	0
<u>BIG SANDY CREEK</u>		
BIG SANDY CREEK NEAR DAVENPORT NW1/4NW1/4 SEC. 7-4-4 W.	06/24/86	0
LITTLE SANDY CREEK NEAR DAVENPORT NW1/4NW1/4 SEC. 8-4-4 W.	06/24/86	0
DRY SANDY CREEK NEAR STRANG SW1/4SE1/4 SEC. 33-5-2 W.	06/20/86	0
BIG SANDY CREEK NEAR ALEXANDRIA SW1/4SW1/4 SEC. 4-3-1 W.	11/19/86	4.6
<u>LOWER LITTLE BLUE RIVER</u>		
ROSE CREEK NEAR HUBBELL SW1/4SW1/4 SEC. 29-1-1 W.	06/23/86	3.8
BUCKLEY CREEK NEAR REYNOLDS SW1/4NE1/4 SEC. 11-1-1 E.	06/13/86	1.9
ROSE CREEK NEAR FAIRBURY NW1/4SE1/4 SEC. 4-1-3 E.	06/12/86	1.6

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

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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>WHITE RIVER</u>			<u>PUMPKIN CREEK TO KINGSLEY DAM</u>		
WHITE RIVER CANAL--D-477, A-936 FROM WHITE RIVER SEC. 34-32-52 W.	07/14/86	0	BARBER CANAL--D-754, A-1111 FROM CLEAR CREEK SE1/4SE1/4 SEC. 29-16-41 W.	07/28/86	4.0
WHITNEY PIPELINE--A-1603, A-1625 FROM WHITE RIVER SE1/4NE1/4 SEC. 26-32-52 W.	05/02/86 06/16/86 06/30/86 08/13/86 09/04/86 12/12/86	0 0 0 0 0 0	CLEAR CREEK CANAL--D-748, D-754R FROM CLEAR CREEK NE1/4NE1/4 SEC. 32-16-41 W.	07/28/86	3.1
STUART BROS. CANAL, SOUTH-- D-425R, A-8R FROM LITTLE COTTONWOOD CREEK SEC. 18-32-52 W.	04/07/86	4.3	<u>KINGSLEY DAM TO CONFLUENCE</u>		
HAGEMAN CANAL--A-2046 FROM WHITE RIVER NW1/4NE1/4 SEC. 26-33-50 W.	09/10/86	1.4	NORTH PLATTE CANAL SPILL INTO LINCOLN COUNTY DRAIN NO. 1 NE1/4SW1/4 SEC. 24-14-31 W.	04/24/86 05/05/86 05/19/86 06/02/86 06/16/86 06/30/86 07/14/86 07/28/86 08/11/86 08/25/86 09/08/86 09/22/86 09/29/86	0 5.9 15 11 13 14 13 15 26 12 9.1 0 0
CUCKLER PUMP--A-5517 FROM WHITE RIVER SE1/4SW1/4 SEC. 24-33-50 W.	09/10/86	0	NORTH PLATTE TERMINAL CANAL NE1/4SE1/4 SEC. 25-14-31 W.	04/24/86 05/05/86 05/19/86 06/02/86 06/16/86 06/30/86 07/14/86 07/28/86 08/11/86 08/25/86 09/08/86 09/22/86 09/29/86	0 0 0 0.43 0 0 0 0 0 0 0 0 0
ERNEST CANAL--A-1061 FROM MADDEN CREEK SE1/4NE1/4 SEC. 22-35-49 W.	07/28/86	0			
DRMESHER CANAL--A-9804 FROM MADDEN CREEK NW1/4NE1/4 SEC. 6-34-48 W.	07/28/86	0			
LINDEKEN PUMP--A-5008 FROM BORDEAUX CREEK S1/2NE1/4 SEC. 15-33-48 W.	08/13/86	0			
JONES PUMP--A-4021 FROM WHITE RIVER SW1/4NW1/4 SEC. 5-34-47 W.	09/10/86	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.	05/09/86 07/11/86	0 0	RUNGE CANAL #1--D-339, A-3363 FROM LODGEPOLE CREEK SW1/4SE1/4 SEC. 20-14-50 W.	05/07/86	0
PLATT PUMP--A-12931 FROM LODGEPOLE CREEK NW1/4SE1/4 SEC. 31-15-57 W.	05/03/86 05/27/86 07/11/86	0 0 0	RUNGE CANAL #2--D-338 FROM LODGEPOLE CREEK SW1/4SE1/4 SEC. 20-14-50 W.	05/07/86	0
ADAMSON PUMP--A-13381 FROM LODGEPOLE CREEK SW1/4NW1/4 SEC. 33-15-57 W.	05/09/86 05/27/86 07/11/86	0 0 0	KRUEGER CANAL #3--D-323 FROM LODGEPOLE CREEK NW1/4NW1/4 SEC. 32-14-48 W.	05/07/86 06/30/86	1.6 0
NEW RUTTNER CANAL, NORTH D-350R--FROM LODGEPOLE CREEK NE1/4SE1/4 SEC. 36-15-57 W.	05/27/86 07/11/86	0 0	KRUEGER CANAL #2--D-324 FROM LODGEPOLE CREEK SW1/4NW1/4 SEC. 32-14-48 W.	05/07/86 06/30/86	1.5 0
FERGUSON PUMP--D-345R, D-348R FROM LODGEPOLE CREEK SEC. 34-15-56 W.	05/27/86 07/11/86	0 0	KRUEGER CANAL #1--D-325 FROM LODGEPOLE CREEK SW1/4SW1/4 SEC. 29-14-48 W.	05/07/86 06/30/86	0 1.2
HURLEY-LILLY-POLLY CANAL D-354, A-4818--FROM LODGEPOLE CREEK SE1/4NE1/4 SEC. 26-15-56 W.	05/27/86 06/17/86 07/10/86	0 0 0			
BICKEL-FADEN CANAL--D-347, A-719 FROM LODGEPOLE CREEK SEC. 30-15-55 W.	05/27/86 06/17/86 07/10/86	0 0 0			
ATKINS-POLLY CANAL--D-342, D-344, A-894R, A-4531-- FROM LODGEPOLE CREEK SE1/4NW1/4 SEC. 30-15-55 W.	05/27/86 06/17/86 07/10/86	0 0 0			
OWASCO CANAL--D-347R, D-351 FROM LODGEPOLE CREEK NW1/4NW1/4 SEC. 29-15-55 W.	05/07/86 05/27/86 06/17/86 07/10/86	0 0 0 0			
BENNETT CANAL--A-691, A-1975 FROM LODGEPOLE CREEK SW1/4SW1/4 SEC. 22-15-55 W.	05/08/86 06/17/86 07/10/86 08/27/86	0 0 0 0			
McINTOSH CANAL--D-351, A-734 FROM LODGEPOLE CREEK SEC. 23-15-55 W.	08/27/86	0			
CIRCLE ARROW CANAL--D-346 FROM LODGEPOLE CREEK SEC. 30-15-54 W.	08/27/86	0			
BENNETT CANAL NO. 3, A-934 FROM LODGEPOLE CREEK SEC. 29-15-54 W.	08/27/86	0			
CHRISTENSEN CANAL, NORTH-- D-367 FROM LODGEPOLE CREEK SEC. 7-14-51 W.	03/31/86 05/08/86 06/17/86 07/10/86	0 0 0 0			
CHRISTENSEN CANAL, SOUTH-- D-366 FROM LODGEPOLE CREEK NW1/4NW1/4 SEC. 7-14-51 W.	05/08/86 06/17/86 07/10/86	0 0 0			
RUNGE PUMP--A-3191, A-3363 FROM LODGEPOLE CREEK SW1/4SE1/4 SEC. 20-14-50 W.	05/07/86	0			

PLATTE RIVER BASIN
(LOUP RIVER)

105

<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>		
WARREN PUMP--A-16348 FROM MIDDLE LOUP RIVER SEC. 11-23-29 W.	07/28/86	0.82	FRANSSEN PUMP--A-13722 FROM MUD CREEK SEC. 18-14-16 W.	06/25/86	1.0
FLYING A CATTLE PUMP A-15289 FROM MIDDLE LOUP RIVER SEC. 11-23-28 W.	07/09/86	1.3	CORNFORD PUMP A-15465 FROM MUD CREEK SEC. 27-14-16 W.	07/23/86	0.60
HANSEN PUMP FROM MIDDLE LOUP RIVER A-13438, A-14228 SEC. 12-19-19 W.	07/02/86	1.1	SUNTYCH PUMP A-13926 FROM SOUTH LOUP RIVER SEC. 6-12-12 W.	06/18/86 07/02/86 07/03/86	1.0 1.0 0.70
FRITSCHAU, L. PUMP FROM MIDDLE LOUP RIVER A-13283 SEC. 26-13-13 W.	07/07/86	0.80	<u>LOUP RIVER, SOUTH LOUP RIVER TO NORTH LOUP RIVER</u>		
FRITSCHAU, T. PUMP A-15737 FROM MIDDLE LOUP RIVER SEC. 26-13-13 W.	07/09/86 07/24/86	2.6 1.5	STANCZYK PUMP A-13034, FROM OAK CREEK A-15744 SEC. 15-15-13 W.	07/01/86	1.8
JOHNSON EST. PUMP A-16305 FROM MIDDLE LOUP RIVER SEC. 29-13-12 W.	07/30/86	1.0	JAKUBOWSKI PUMP A-13332 FROM OAK CREEK SEC. 25-15-13 W.	07/01/86 07/02/86 07/07/86	0.58 0.78 1.1
<u>SOUTH LOUP RIVER</u>			KROGH FARMS PUMP A-14444, 1-14445 FROM OAK CREEK SEC. 30-14-11 W.	07/02/86 07/07/86	1.6 2.2
MEYERS PUMP A-14918 FROM SOUTH LOUP RIVER SEC. 21-14-20 W.	07/28/86	1.4	PETERSON PUMP A-15418 FROM OAK CREEK SEC. 31-14-11 W.	07/30/86	0.92
PAULSEN PUMP--A-14730 FROM SOUTH LOUP RIVER SEC. 1-13-20 W.	07/08/86	1.2	VOCKE PUMP--A-16259 FROM OAK CREEK SEC. 11-13-11 W.	07/30/86	1.9
DAUGHERTY-SHOEMAKER WEST PUMP--A-13105 FROM SOUTH LOUP RIVER SEC. 30-13-18 W.	06/30/86 07/08/86 07/28/86	1.2 0.94 1.1	TRAVELERS INS. A-15612 FROM TURKEY CREEK SEC. 11-14-12 W.	07/21/86	1.7
ECKHOUT PUMP A-13404 FROM SOUTH LOUP RIVER SEC. 7-12-17 W.	06/30/86	1.2	HRUZA PUMP A-13515 FROM TURKEY CREEK SEC. 18-14-11 W.	07/21/86	0
DOWNEY PUMP A-13031 FROM SOUTH LOUP RIVER SEC. 6-11-16 W.	07/23/86	0.60	SHAUGHNESSEY PUMP A-15720 FROM TURKEY CREEK SEC. 17-14-11 W.	07/21/86	1.1
RASMUSSEN PUMP A-13639 FROM SOUTH LOUP RIVER SEC. 4-11-16 W.	07/23/86	1.0	BOYSEN PUMP A-13652 FROM TURKEY CREEK SEC. 20-14-11 W.	07/24/86	1.2
GOLDEN PUMP--A-16138 FROM MUD CREEK SEC. 18-16-19 W.	07/29/86	0.80	ALDERMAN PUMP--A-16050 FROM TURKEY CREEK SEC. 19-14-10 W.	07/01/86 07/02/86 07/07/86	0.76 2.1 2.1
FEDERAL LAND BANK PUMP FROM MUD CREEK A-16505 SEC. 32-15-17 W.	07/08/86	1.5	K.I.L. FARMS PUMP A-13823 FROM TURKEY CREEK SEC. 20-14-10 W.	07/07/86	0.92
CHAMBERLIN PUMP A-13657 FROM MUD CREEK SEC. 32-15-17 W.	07/29/86	1.1	LETH PUMP A-12843 FROM TURKEY CREEK SEC. 21-14-10 W.	07/09/86	1.2
FRANSSEN, L. PUMP A-1848 FROM MUD CREEK SEC. 13-14-17 W.	07/08/86	1.7	LUKASIEWICZ PUMP A-14872 FROM TURKEY CREEK SEC. 16-14-11 W.	07/24/86	0.96
			WILSON PUMP A-15441 FROM MIDDLE LOUP RIVER SEC. 3-27-19 W.	07/09/86 07/09/86	2.6 3.1

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>LOUP RIVER, SOUTH LOUP RIVER TO NORTH LOUP RIVER</u>			<u>LOWER LOUP RIVER ABOVE CEDAR RIVER</u>		
<u>NORTH LOUP RIVER</u>			KILDAY INC. PUMP--A-13752	07/22/86	1.6
COBLE CANAL A-14953 FROM NORTH LOUP RIVER SEC. 20-28-35 W.	05/14/86	0	FROM LOUP RIVER SEC. 12-15-8 W.		
ARROW C RANCH PUMP--A-15526 FROM NORTH LOUP RIVER SEC. 32-23-20 W.	07/09/86	1.1	TIBBITTS PUMP A-13591 FROM LOUP RIVER SEC. 7-15-7 W.	06/26/86	2.2
ZIEGLER PUMP--A-15608 FROM NORTH LOUP RIVER SEC. 28-21-17 W.	07/09/86 07/28/86	1.1 1.1	J. H. RUSSELL PUMP--A-13955, A-12825 FROM LOUP RIVER SEC. 8-15-7 W.	07/22/86	2.6
MIRDAN CANAL FROM CALAMUS CANAL A-9642, A-15089 SEC. 17-20-15 W.	08/14/86 08/15/86 08/15/86	16 4.2 2.0	RUSSELL, J.H. PUMP FROM LOUP RIVER A-13954, A-14718 SEC. 3-15-7 W.	06/26/86	1.8
GOLDFISH PUMP--A-16243 FROM NORTH LOUP RIVER SEC. 16-17-12 W.	07/21/86 07/29/86	0.97 0.87	A. RUSSELL PUMP--A-13679, A-14504 FROM LOUP RIVER SEC. 4-15-7 W.	07/22/86	4.2
JACOBSEN PUMP--A-14639 FROM NORTH LOUP RIVER SEC. 35-17-12 W.	07/21/86 07/25/86	4.5 5.5	SONDERUP PUMP--A-15515 FROM LOUP RIVER SEC. 33-16-7 W.	07/22/86	1.8
ENDER PUMP--A-13200 FROM NORTH LOUP RIVER SEC. 18-16-11 W.	07/02/86 07/07/86	1.2 1.3	ARNOLD PUMP A-14895 FROM LOUP RIVER SEC 3-15-7 W.	07/24/86	3.2
LESTER WELLS PUMP--A-14871 FROM NORTH LOUP RIVER SEC. 20-16-11 W.	07/02/86 07/09/86	2.8 1.6	CUNNINGHAM, D. PUMP A-13581 FROM LOUP RIVER SEC. 2-15-7 W.	07/22/86	0.80
BURMOOD PUMP A-14391 FROM MUNSON CREEK SEC. 5-15-11 W.	07/21/86	1.4	ZIMMER PUMP--A-15043 FROM LOUP RIVER SEC. 35-16-7 W.	06/26/86 07/22/86	3.1 1.3
WILSON PUMP--A-14224 FROM MUNSON CREEK SEC. 33-16-11 W.	07/07/86 07/21/86	0.92 0.90	GALLOWAY PUMP A-15309 FROM LOUP RIVER SEC 35-16-7 W.	06/26/86	2.2
WILSON PUMP--A-14225 FROM NORTH LOUP RIVER SEC. 34-16-11 W.	07/10/86 07/21/86	0.80 0.82	CUNNINGHAM, I. PUMP A-15438 FROM LOUP RIVER SEC. 35-16-7 W.	07/22/86	2.3
SPILINEK PUMP A-15426 FROM AUGER CREEK SEC. 8-15-11 W.	07/07/86 07/30/86	0.76 1.2	ZIMMER PUMP A-15042 FROM LOUP RIVER SEC. 29-16-6 W.	07/22/86	1.9
POSS PUMP A-15798 FROM NORTH LOUP RIVER SEC 18-15-10 W.	07/29/86	0.80	<u>CEDAR RIVER</u>		
<u>LOWER LOUP RIVER ABOVE CEDAR RIVER</u>			MARTINSEN PUMP A-12680 FROM CEDAR RIVER SEC. 8-19-8 W.	07/24/86	1.3
ANDERSON, J. PUMP A-14239 FROM SPRING CREEK SEC. 30-16-9 W.	07/24/86	1.2	NELSON PUMP--A-13198 FROM CEDAR RIVER SEC. 19-17-6 W.	06/24/86	1.2
ANDERSON PUMP--A-15997, A-16403 FROM SPRING CREEK SEC. 8-15-9 W.	07/24/86	1.5	FIRSTIER BANK PUMP A-15005 FROM CEDAR RIVER SEC. 33-17-6 W.	07/24/86	2.2
WERNER PUMP--A-15151 FROM LOUP RIVER SEC. 9-15-9 W.	07/07/86 07/22/86	1.3 2.2	FIRSTIER BANK PUMP A-15004 FROM CEDAR RIVER SEC. 4-16-6 W.	07/07/86	3.0
			J. WONDERCHECK PUMP--A-13930 FROM CEDAR RIVER SEC. 11-16-6 W.	06/26/86	1.5

PLATTE RIVER BASIN
(LOUP RIVER)

REPUBLICAN RIVER BASIN

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>CEDAR RIVER</u>		
SYSLO PUMP--A-13662 FROM CEDAR RIVER SEC. 7-16-5 W.	07/22/86	1.5
<u>LOWER LOUP RIVER BELOW CEDAR RIVER</u>		
SONDERUP PUMP--A-14800, A-16073 FROM LOUP RIVER SEC. 4-16-5 W.	07/22/86 07/24/86	7.4 6.6

<u>Site and Location</u>	<u>Date</u>	<u>Discharge c.f.s.</u>
<u>UPPER REPUBLICAN RIVER</u>		
HATGLER CANAL SPILLBACK TO REPUBLICAN RIVER D-1025 SEC. 31-1-42 W.	09/17/86 10/03/86	6.3 2.5
JENKINS CANAL- A-924 FROM BUFFALO CREEK SEC. 18-1-40 W.	07/15/86 08/13/86 09/16/86	3.4 2.8 0.03
ALLEN-LARNED CANAL D-117 FROM BUFFALO CREEK SEC. 18- 1-40 W.	07/15/86 08/13/86 09/16/86	3.9 3.5 3.8
PARKS CANAL--A-1202, A-1444, A-1555 FROM REPUBLICAN RIVER SEC. 20-1-39 W.	05/15/86 07/15/86	1.8 2.4

MISCELLANEOUS DATA

1986

PRECIPITATION AT VARIOUS POINTS
Data Compiled for Calendar Year from Records
of the United States Weather Bureau
Values in Inches
1986

	Normal		1986	
	Monthly	Accumulative	Monthly	Accumulative
*MITCHELL STATION, SCOTTSBLUFF COUNTY--ELEVATION 4080				
January	0.25	0.25	0.00	0.00
February	0.24	0.49	1.12	1.12
March	0.56	1.05	0.52	1.64
April	1.31	2.36	1.60	3.24
May	2.63	4.99	1.96	5.20
June	3.41	8.40	5.47	10.67
July	1.56	9.96	2.96	13.63
August	1.16	11.12	1.19	14.81
September	1.07	12.19	1.26	16.07
October	0.79	12.98	0.95	17.02
November	0.33	13.31	0.49	17.51
December	0.29	13.60	0.08	17.59
*73 year record				
*BRIDGEPORT STATION, MORRILL COUNTY--ELEVATION 3666				
January	0.35	0.35	0.00	0.00
February	0.29	0.64	1.17	1.17
March	0.72	1.36	0.63	1.80
April	1.42	2.78	2.94	4.74
May	3.10	5.88	1.42	6.16
June	3.67	9.55	4.52	10.68
July	2.40	11.95	2.22	12.90
August	1.38	13.33	0.57	13.47
September	1.42	14.75	1.40	14.87
October	0.83	15.58	1.24	16.11
November	0.38	15.96	0.59	16.70
December	0.34	16.30	0.28	16.98
*88 year record				
*OSHKOSH STATION, GARDEN COUNTY--ELEVATION 3393				
January	0.35	0.35	0.00	0.00
February	0.38	0.73	1.18	1.18
March	0.83	1.56	0.84	2.02
April	1.66	3.22	3.33	5.35
May	3.16	6.38	2.42	7.77
June	3.27	9.65	3.20	10.97
July	2.64	12.29	1.68	12.65
August	2.03	14.32	0.78	13.43
September	1.50	15.82	2.79	16.22
October	0.99	16.81	1.01	17.23
November	0.57	17.38	0.23	17.46
December	0.35	17.73	0.13	17.59
*73 year record				
*NORTH PLATTE STATION, LINCOLN COUNTY--ELEVATION 2775 (Airport)				
January	0.45	0.45	0.02	0.02
February	0.52	0.97	1.10	1.12
March	0.99	1.96	0.70	1.82
April	1.93	3.89	3.77	5.59
May	3.26	7.15	2.80	8.39
June	3.77	10.92	1.70	10.09
July	2.98	13.90	2.57	12.66
August	2.07	15.97	1.22	13.88
September	2.01	17.98	1.02	14.90
October	0.99	18.97	1.58	16.48
November	0.52	19.49	0.19	16.67
December	0.41	19.90	0.27	16.94
*46 year record				
*GOTHENBURG STATION, DAWSON COUNTY--ELEVATION 2565				
January	0.45	0.45	0.00	0.00
February	0.54	0.99	1.43	1.43
March	1.15	2.14	0.70	2.13
April	2.03	4.17	2.23	4.36
May	3.25	7.42	5.07	9.43
June	4.43	11.85	1.81	11.24
July	2.82	14.67	2.55	13.79
August	2.53	17.20	2.67	16.46
September	2.08	19.28	1.24	17.70
October	1.16	20.44	2.10	19.80
November	0.54	20.98	0.23	20.03
December	0.45	21.43	0.34	20.37
*91 year record				

PRECIPITATION AT VARIOUS POINTS--Continued

	Normal		1986	
	Monthly Accumulative		Monthly Accumulative	
*GRAND ISLAND STATION, HALL COUNTY--ELEVATION 1841				
January	0.52	0.52	0.00	0.00
February	0.76	1.28	0.50	0.50
March	1.18	2.46	1.98	2.48
April	2.47	4.93	2.52	5.00
May	3.78	8.71	3.05	8.05
June	4.40	13.11	3.07	11.12
July	3.00	16.11	3.77	14.89
August	2.54	18.65	2.51	17.40
September	2.51	21.16	3.65	21.05
October	1.08	22.24	3.31	24.36
November	0.61	22.85	0.23	24.59
December	0.56	23.41	0.31	24.90
*93 year record				
*SIDNEY STATION, CHEYENNE COUNTY--ELEVATION 4320				
January	0.30	0.30	0.12	0.12
February	0.32	0.62	0.66	0.78
March	0.88	1.50	0.92	1.70
April	1.64	3.14	3.73	5.40
May	3.27	6.41	2.16	7.56
June	3.56	9.97	7.06	14.62
July	2.53	12.50	1.18	15.80
August	1.79	14.29	1.97	17.77
September	1.35	15.64	0.69	18.46
October	1.03	16.67	1.04	19.50
November	0.49	17.16	0.39	19.89
December	0.39	17.55	No report	
*57 year record				
*ORD STATION, VALLEY COUNTY--ELEVATION 2070				
January	0.62	0.62	0.00	0.00
February	0.86	1.48	1.46	1.46
March	1.40	2.88	1.82	3.28
April	2.25	5.13	2.82	6.10
May	3.39	8.52	3.37	9.47
June	4.33	12.85	1.42	10.89
July	2.68	15.53	4.66	15.55
August	2.64	18.17	4.06	19.61
September	2.39	20.56	6.17	25.78
October	1.41	21.97	2.37	28.13
November	0.63	22.60	0.15	28.28
December	0.65	23.25	0.40	28.68
*95 year record				
*FORT ROBINSON STATION, DAWES COUNTY--ELEVATION 3807				
January	0.43	0.43	No report	
February	0.50	0.93	"	"
March	0.92	1.85	"	"
April	1.86	3.71	"	"
May	3.59	7.30	"	"
June	3.83	11.13	"	"
July	2.14	13.27	"	"
August	1.47	14.74	"	"
September	1.34	16.08	"	"
October	1.00	17.08	"	"
November	0.58	17.66	"	"
December	0.43	18.09	"	"
Discontinued				
*CULBERTSON STATION, HITCHCOCK COUNTY--ELEVATION 2720				
January	0.47	0.47	0.00	0.00
February	0.53	1.00	0.44	0.44
March	1.07	2.07	0.67	1.11
April	1.84	3.91	1.39	2.50
May	3.26	7.17	3.16	5.66
June	3.46	10.63	3.73	9.39
July	3.32	13.95	2.79	12.18
August	2.46	16.41	1.57	13.75
September	1.92	18.33	0.92	14.67
October	1.31	19.64	2.65	17.32
November	0.64	20.28	0.38	17.70
December	0.49	20.77	0.59	18.29
*98 year record				

PRECIPITATION AT VARIOUS POINTS--Concluded

	Normal		1986	
	Monthly Accumulative		Monthly Accumulative	
*GENOA STATION, NANCE COUNTY--ELEVATION 1590				
January	0.47	0.47	0.00	0.00
February	0.90	1.37	1.15	1.15
March	1.20	2.57	2.98	4.13
April	2.42	4.99	3.52	7.65
May	3.78	8.77	2.79	10.44
June	4.80	13.57	5.71	16.15
July	3.26	16.83	4.31	20.46
August	3.07	19.90	5.87	26.33
September	2.68	22.58	4.64	30.97
October	1.38	23.96	4.18	35.15
November	0.58	24.54	0.17	35.32
December	0.70	25.24	0.64	35.96
*110 year record				
*HOLDREGE STATION, PHELPS COUNTY--ELEVATION 2330				
January	0.58	0.58	0.00	0.00
February	0.80	1.38	0.57	0.57
March	1.33	2.71	2.11	2.68
April	2.29	5.00	1.25	3.93
May	4.07	9.07	3.69	7.62
June	4.83	13.90	3.03	10.65
July	3.12	17.02	2.91	13.56
August	2.65	19.67	2.29	15.85
September	2.56	22.23	3.47	19.32
October	1.53	23.76	3.51	22.83
November	0.60	24.36	0.25	23.08
December	0.58	24.94	0.73	23.81
*96 year record				

DIVERSIONS FROM DRAINS BETWEEN
WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT

Values in Acre-feet

For Year Ending December 31, 1986

	Apr.	May	June	July	Aug.	Sept.	Oct.	Total
Tri-State from:								
Akers Draw.....	0	230	0	0	0	2	0	232
Sheep Creek.....	0	0	0	0	0	0	0	0
Dry Spottedtail Creek..	0	0	0	0	0	0	0	0
Wet Spottedtail Creek..	0	370	0	0	0	0	0	370
Tub Springs.....	0	0	0	0	0	0	0	0
Alliance Drain.....	0	0	40	840	1450	1700	0	4030
Northport Canal from:								
Akers Draw.....	0	380	610	1010	910	800	0	3710
Sheep Creek.....	0	2370	4130	4910	6590	5290	0	23290
Dry Spottedtail Creek..	0	520	700	1460	1710	1100	0	5490
Wet Spottedtail Creek..	0	630	850	1030	1470	1580	0	5560
Tub Springs.....	0	650	1480	2790	2860	1840	0	9620
Enterprise Canal from:								
Dry Spottedtail Creek..	0	0	0	290	0	0	0	290
Morrill Drain.....	0	40	50	60	70	140	0	360
Winter Creek.....	0	10	60	150	110	10	0	340
Tub Springs.....	0	0	0	0	0	0	0	0
Winter Creek Canal from:								
Winter Creek.....	0	540	870	2280	3130	1720	0	8540
Alliance Canal from:								
Bayard Drain.....	360	1800	1510	990	410	820	0	5890
Red Willow Creek.....	180	1740	1610	2920	3140	1540	0	11130
Totals.....	540	9280	11910	18730	21850	16542	0	78852

MONTHLY EVAPORATION IN FEET--1986

STATION	May	June	July	Aug.	Sept.	Total
Pathfinder Dam	0.657	0.818	0.869	f	0.505	
Whalen Dam	0.552	0.778	0.730	0.667	0.360	3.087
Bridgeport	0.662	1.001	0.860	0.776	0.492	3.791
Kingsley Dam	f	f	0.502	0.500	0.352	
North Platte	0.656	0.792	1.038	0.754	0.488	3.728

DISCHARGE INTO NORTH PLATTE RIVER FROM DRAINS
BETWEEN WYOMING-NEBRASKA STATE LINE AND BRIDGEPORT
Values in Acre-feet
For Calendar Year Ending December 31, 1986

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Bald Drain	156	89	73	78	850	1801	2142	1339	2073	245	110	89	9045
Bayard Sugar Factory Drain	1390	1200	1250	1040	860	2110	3480	4360	3980	2240	1560	1320	24790
Cleveland Drain	105	96	93	71	217	591	818	567	788	649	123	84	4202
DeGraw Drain	274	244	230	228	258	712	770	722	708	379	258	214	4997
Dugout Creek, Upper	270	210	200	170	1810	3390	4690	1880	4070	630	420	320	18060
Fairfield Seep	0	110	63	70	154	292	298	339	268	169	110	21	1894
Fanning Seep	0	0	0	0	0	0	0	0	0	0	0	0	0
Gering Drain	1630	1410	1690	1590	5490	9350	8270	7150	12570	2440	2080	2030	55700
Horse Creek	2640	2170	1560	6690	11250	17250	9140	8530	20760	6810	3150	2230	92180
Indian Creek	404	403	364	338	1170	1620	2530	2570	2980	709	443	414	13945
Lane Drain	113	86	107	101	137	199	127	149	208	230	159	123	1739
Melbeta Drain	164	201	118	116	590	1145	1303	973	1092	198	121	111	6132
Nine Mile Drain	5620	4930	4830	5120	8280	11340	12320	11910	14910	9140	6560	6050	101010
Red Willow Creek	4680	3960	3950	3660	8470	10630	12520	10170	16370	7240	5490	4940	92580
Scottsbluff Drain No. 1	207	177	196	168	144	181	204	279	303	170	128	144	2301
Scottsbluff Drain No. 2	149	184	232	162	243	333	412	817	672	345	170	154	3873
Sheep Creek	5380	4630	4670	4410	1990	280	440	440	1500	7020	6010	5760	42530
Spottedtail Creek, Dry	1170	1170	1210	1540	2510	2270	5640	4600	5650	2120	1490	1240	30610
Spottedtail Creek, Wet	500	500	510	450	530	690	800	760	720	670	730	600	7460
Tub Springs Creek	2220	1340	1820	1610	2980	3730	3840	3180	4720	4240	3080	3530	36790
Winters Creek	2780	2450	2950	2580	3170	6230	4680	4770	6300	4270	3460	3060	46700
Totals	29852	26060	26116	30192	51103	74144	74424	65505	101142	49914	35652	32434	596538

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, 1986

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Guernsey to Whalen	0	0	0	23700	122390	89450	249470	250490	166180	4670	0	0	906350
Whalen to State Line	0	0	0	0	13619	18230	36590	33823	18353	0	0	0	120615
State Line to Mitchell	0	0	0	310	39026	49328	91263	85500	47482	0	0	0	312909
Mitchell to Minatare	0	0	0	10	5210	8150	16300	16710	11040	2050	0	0	59470
Minatare to Bridgeport	0	0	0	710	12605	17133	20621	19475	14123	2300	0	0	86967
Bridgeport to Lisco	0	0	0	0	2524	5449	10613	8839	4308	655	0	0	32388
Lisco to Keystone	0	0	0	0	140	3815	5604	5409	4044	1010	0	0	20022
Keystone to North Platte	0	0	0	1910	12660	21970	39460	34340	12790	1010	60	0	124200
North Platte to Odessa	0	0	40	12200	63040	110310	203380	156350	31290	16780	4730	0	598120
Totals	0	0	40	38840	271214	323835	673301	610936	309610	28475	4790	0	2261041

SUMMARY
DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Calendar Year 1986		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre
Ainsworth	35841	58830	1.64
Alliance	6160	17020	2.76
Bartley		8890	
Beerline	2080	2460	1.18
Belmont	8845	30860	3.49
Birdwood	5351	5120	0.96
Blue Creek	2740	8430	3.08
Browns Creek	6126	11760	1.92
Cambridge		29090	
Castle Rock-Steamboat	6444	19410	3.01
Central	1984	5790	2.92
Champion		2090	
Chimney Rock	5222	14500	2.78
Cody-Dillon	4173	4670	1.12
Courthouse Rock	1382	1523	1.10
Courtland for Nebr lands		61430	
Cozad	16580	30810	1.86
Culbertson		26700	
Dawson County	29127	68760	2.36
Earnest		622	
Empire	2191	3400	1.55
Enterprise	7404	26230	3.54
Farwell	50993	59730	1.17
Fort Laramie for Wyo lands	50210	322720	6.43
Fort Laramie for Neb lands	55243	127690	2.31
Franklin		33210	
Franklin Pump		4420	
Gering	12281	41450	3.38
Gothenburg	18511	59440	3.21
Graf	825	2380	2.88
Harris-Neece		1560	
Hooper	842	2380	2.83
Interstate	100949	455940	4.52

SUMMARY
DIVERSIONS AND ACREAGE IRRIGATED BY MAJOR CANALS

	Calendar Year 1986		
	Acreage *Irrigated	Acre-feet Total	Diverted Per Acre
Kearney	5978	120190	20.1
Keith-Lincoln Co.	5541	19510	3.52
Last Chance	179	298	1.66
Lichte		128	
Lisco	3872	15510	4.01
McGinley-Stover		417	
McLaughlin		764	
Meeker-Driftwood		32920	
Meredith-Amner	336	837	2.49
Middle Loup PPID No. 1	3557	6550	1.84
Middle Loup PPID No. 2	4177	6710	1.61
Middle Loup PPID No. 3	9477	16370	1.73
Middle Loup PPID No. 4	9861	14600	1.48
Midland-Overland	2258	2320	1.03
Minatare	9212	21160	2.30
Mirage Flats		17100	
Mitchell	13799	27080	1.96
Moore-Kay		35	
Naponee		3740	
Nine Mile	6078	12990	2.14
No. Loup PPID-Taylor-Ord	13067	24950	1.91
No. Loup PPID-Burwell-Sumter	6611	13330	2.02
No. Loup PPID-Ord North Loup	6083	11060	1.82
North Platte	14044	55240	3.93
Northport	16134	57520	3.57
Orchard-Alfalfa	5975	11970	2.00
Paisley	1076	2770	2.57
Paxton-Hershey	7323	19230	2.63
Pioneer		152	
Potmesil		909	
Ramshorn	1652	407	0.25
Red Willow		8780	
Sargent	14021	24800	1.77
Sheridan-Wilson	216	0	0.00
Short Line	2778	6790	2.44
Six Mile	1278	4510	3.53
Suburban	5423	20430	3.77
Superior		15260	
Thirty Mile	22924	44430	1.94
**Tri-County	119569	258000	2.16
Tri-State	60468	204022	3.37
Union	1067	1740	1.63
Western	12443	24030	1.93
Winters Creek	5745	13110	2.28

* Annual acreage reports filed by April 1, which listed lands intended to be irrigated.

** For irrigation exclusive of power.

COMPARISON OF STORAGE IN RESERVOIRS - 1986

Name of Reservoir		Capacity Top of Irrigation Pool Acre-feet	Maximum Storage 1986		Carryover Dec. 31, 1986		
			Acre-feet	%Average	Acre-feet	%Average	
1	Pathfinder (ownership)	a	1,016,510	1,016,510	104	749,250	121
	Glendo (ownership)	a	184,870	183,240	102	129,950	97
	Lake W. C. McConaughy	a	1,948,000	1,801,600	104	1,570,200	103
2	Oliver	b	2,680	2,757	90	2,600	102
2	Whitney	a	10,000	10,655	103	8,910	141
	Box Butte	a	31,060	18,160	101	10,260	122
	Enders	a	44,480	29,450	83	21,150	95
2	Harry Strunk Lake	a	37,140	38,440	96	23,960	87
	Swanson Lake	a	120,160	106,500	95	67,120	95
	Harlan County	a	342,560	339,800	104	247,000	100
	Hugh Butler Lake	a	37,780	33,640	93	26,730	94
	Sherman	a	69,080	69,076	100	52,722	105
	Merritt	a	74,490	73,626	97	68,831	105
	Calamus	c	127,400	72,643	173	72,643	173

1 Capacity to top of irrigation pool consists of 64,780 acre-feet 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 1970-1986 record for average.

b 1981-1986 record for average. Water stored for recreation, not irrigation.

c 1985-1986 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)

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

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